Forestry Commission Booklet No. 16

FOREST MANAGEMENT TABLES

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ABRIDGED INDEX OF TREE SPECIES

Page numbers only

Species	Graphs		Tables		
	General Yield Class Curves	Production Class Curves	Thinning Control	Production Forecast	Normal Yield
Scots pine	26	43	58	80	138
Corsican pine	27	44	60	83	142
Lodgepole pine	28	45	59	88	148
Sitka spruce	29	46	62	91	152
Norway spruce	30	47	64	97	160
European larch	31	48	66	102	166
Japanese larch, Hybrid larch	32	49	67	105	170
Douglas fir	33	50	68	108	174
Western hemlock	34	51	70	113	180
Western red cedar, Lawson cypress	35	52	72	118	186
Grand fir	36	53	74	123	192
Noble fir	37	54	75	126	196
Oak	38	(None)	76	129	200
Beech	39	(None)	77	131	202
Sycamore, Ash, Birch	40	55	78	134	206
Poplar	41	56	(None)	(None)	210

NOTE For scientific names of species, and suggested applications to other species, see inside back cover.

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FOREST MANAGEMENT TABLES

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Contents

TABLES AND GRAPHS

PREFACE AND ACKNOWLEDGMENTS

The tables in this publication have been prepared with the object of providing a basis for the management of Forestry Commission plantations but they are equally applicable to any plantations which are managed primarily for profit.

The *Revised Yield Tables for Conifers in Great Britain* published in 1953 (Forest Record Number 24) and all previous yield table publications (Forest Records 33, 36, 40, 47) are superseded by the Normal Yield Tables contained in this publication.

The conception and preparation of the Management Tables has involved close collaboration between the Mensuration section and the Economics and Working Plans sections of the Planning and Economics branch of the Forestry Commission. The Planning Officer, Mr. D. R. Johnston, has been responsible for supervising and integrating the project, the Mensuration Officer, Mr. R. T. Bradley, for originating and developing the tables and Mr. J. M. Christie for co-ordinating the computational work and for devising the details of new techniques.

A large number of people have from time to time assisted with the graphical and computational work but by far the greatest part of the work has been carried out by the following members of the Mensuration section:

Messrs. E. J. Fletcher P. J. Webb
M. A. Mitchell M. D. Witts
Miss L. L. H. Grover

Messrs. Mitchell and Webb, respectively, prepared the General Yield Class curves and the Production Class curves shown herein.

The computation of regressions has been carried out by the Statistics section using an I.C.T. Sirius electronic computer.

The constructive criticism of many field officers has been of great assistance in designing the form and presentation of the tables and is gratefully acknowledged.

Forest Management Tables

INTRODUCTION

1. This publication contains a number of tables. Each of the three principal tables is designed to provide a basis for one particular aspect of intensive management of even-aged conifer and hardwood plantations in Great Britain.

2. The three principal types of table are as follows:

Thinning Control Tables.
Production Forecast Tables
Normal Yield Tables

3. The above three types of tables are based upon a thinning regime which, with the initial planting distances commonly used in this country, provides the greatest girth increment consistent with maximum volume production, assuming regular thinning.

4. This basis has been used because there is good evidence that it will result in near-maximum profitability under a wide range of price conditions for both pulpwood and sawtimber production. This assumes that other conditions are favourable for regular, relatively frequent thinning.

5. In addition the following ancillary graphs and tables are included:

General Yield Class Curves
Production Class Curves

Stand Assortment Tables
Quality Class/General Yield Class Conversion Tables

Table of Average Basal Area Stocking
Tables of Ages and Heights at First Thinning

Rotation Age Summary Tables

6. These Management Tables as a whole cater for the majority of tree species grown commercially in Britain. There are sixteen sets of Normal Yield Tables which cover twenty species, but Thinning Control and Production Forecast Tables have not been prepared for Hybrid Poplar as it is normally grown at wide spacings, often without thinning. The use of one table for more than one species has been made possible by the *Production Class* concept (see para 8 below) provided that the species concerned have similar patterns of height growth and similar "shapes", although possibly different levels, of volume growth in relation to height.

7. The classification into *Yield Classes* is based upon the (actual or potential) maximum mean annual volume increment, irrespective of the age at which this culminates. Top height is used as the principal index of Yield Class, just as it is with Quality Classes and Site Index Classes, but the height/age curves are, in the case of Yield Classes, positioned to divide the range of maximum mean annual volume increment, rather than the range of height growth, into equal classes.

8. The Production Class system provides a means by which the deficiencies of height growth as an index of volume production can be remedied so that general yield tables are, in effect, converted into local yield tables, local thinning control tables, etc. The term *General Yield Class* is used where the Yield Class has been determined by reference only to the height/age curves, while the term *Local Yield Class* is applied where the General Yield Class has been confirmed or modified by the determination of Production Class. There are three Production Classes, 'a', 'b' and 'c', representing high, medium and low volume production for a given height. For high Production Class sites the General Yield Class is raised one class to produce the Local Yield Class. Conversely, for low Production Class sites it is reduced by one class.

9. Once the Yield Class of a stand has been determined, the appropriate thinning yield can be obtained from the **Thinning Control Tables.** This thinning yield will normally be removed whatever the level of the growing stock, provided the canopy is complete and the stand can be described as ready for thinning. The advantage of this approach to thinning control is that forecasting of thinning yields is greatly simplified, in contrast to control based on the level of the growing stock *after* thinning. Further simplification has been achieved by relating the annual thinning yield to the Yield Class in that, for the *normal* thinning period, the annual yield is 70% of the Yield Class for fully stocked stands.

10. **The Production Forecast Tables** (pages 79 to 136) are designed for converting inventory data in terms of gross land areas (areas including roads, rides and other forms of unproductive area) into net yield potential. The conversion from *gross* to *net* area is achieved by incorporating in the volume yields of the Production Forecast tables an arbitrary reduction of 15%. This means that the annual volume yields in the *Thinning Forecast Tables*, which form the first half of these Production Forecast Tables, are equivalent to 60% of the Yield Class, instead of 70% as used for *net areas* in thinning control. The *Felling Forecast Tables*, which form the other half of the Production Forecast Tables, are included for convenience but are not intended to provide as reliable a basis for forecasting as that provided by the Thinning Forecast Tables. This is because the control system adopted for the Management Tables concentrates on thinning yields, which are the major concern in Britain at the present time. In view of the much larger volume per acre produced by fellings it is anyway desirable that a more direct method of estimating felling yields is used.

11. The **Normal Yield Tables** (pages 137 to 212) present the information given in the other two principal tables but in a different form and with additional information. As well as incorporating the assumption on thinning intensity used in the Production Forecast Tables and Thinning Control Tables, these Normal Yield Tables embody also an assumption on *type* of thinning. The type of thinning assumed has been varied in accordance with the characteristics of the different species. A crown thinning has been adopted for first thinnings in the more tolerant or shade-bearing species, while for the intolerant or light-demanding species a thinning which removes most of the trees in the lower canopy classes (as well as removing trees in the upper canopy classes to favour selected trees) has been assumed.

12. These three principal tables within the Management Tables as a whole present traditional yield table information in three different ways, each suited

to one particular function. This means that the principal function of the Normal Yield Tables, as opposed to the other two main tables, is to provide a basis for management decisions of a general nature. The decision may be based simply on inspection of the yield tables for different Yield Classes or species, but more usually the decisions will be arrived at after profitability analyses have been performed on the yield table data. The information presented in the Normal Yield Tables in this publication is reasonably comprehensive, and all the necessary information to reconstruct the tables using different assumptions is also included. Further information on reconstruction of yield tables is to be given later in a separate publication.

YIELD CLASS SYSTEM OF CLASSIFYING GROWTH POTENTIAL

General

13. The *Yield Class* system for classifying growth is based upon actual or potential maximum mean annual volume increment, i.e. total volume production to date divided by age, the classes representing intervals of 20 hoppus feet in volume to 3 inches top diameter over bark. The Yield Class numbers refer to the maximum mean annual volume increment which stands of that class will, on average, produce, e.g. Yield Class 180, or YC 180, means that the crop, whatever the species, is potentially capable of producing a mean annual increment which reaches a maximum of 180 hoppus feet per acre per annum. This is in contrast to the *Quality Class* system of classification which gives no indication of the relative productive potential of different species.

14. Although the Yield Class system is used to classify differences in growth *between* species as well as *within* species, the age at which the same maximum mean annual increment is reached varies with different species. Some species, such as Japanese larch, are characterised by early culmination of both mean and current annual increment, while others, even with a similar productive potential, such as Scots pine, characteristically have much later culmination of increment. To take a particular example, Yield Class 100 in Japanese larch reaches this mean annual increment at 45 years, while the same Yield Class of Scots pine does not culminate until 75 years of age.

15. Maximum mean annual volume increment, regardless of the age at which it culminates, has been adopted as the basis for classifying rates of growth primarily because it is a measure of growth potential which is not complicated by the choice of an arbitrary age unrelated to the growth characteristics of the species. *Volume* rather than *height* has been used because it is a better index of growth in biological terms, i.e. a better index of dry matter production, and because volume is more meaningful from the management point of view than is height, although height is still used as the primary means of determining Yield Class. Mean annual volume increment is also useful from the management point of view, in that it is a good index of relative profitability. A classification in terms of growth potential is independent of treatment insofar as treatment does not affect the long-term growth capacity of the stand.

16. For Grand fir and Poplar, alternate Yield Classes only have been tabulated in order to reduce the number of tables which would otherwise have been required to cover their wide range of volume growth. The Production Class curves for these species have been constructed so that the classes

represent *two* Yield Classes, i.e. 40 hoppus feet rather than the usual 20. Thus, Production Class 'a' or 'c' stands have Local Yield Classes *two* Yield Classes above or below the General Yield Class value.

General Yield Class Curves (Graphs 1 to 16 on pages 26 to 41)

17. Top height/age graphs are provided for each species, or group of species, and these should always be used in preference to the yield tables for determining General Yield Class. Top height is the average total height of the 40 trees of largest girth per acre. Age in this case is the age from *planting*, not from *seed* (the latter will usually be two to four years greater under British conditions).

18. The curves indicating the trend of height growth are positioned so that they mark the *boundaries*, not the mean, of the Yield Classes. Thus any height/age co-ordinate which falls between the lines is given the Yield Class number appropriate to the band, and decisions have to be made only if it falls exactly on one of the curves. The position of the boundary curves for Yield Classes above or below those given for each species can easily be estimated by eye.

19. Height measurement errors, climatic variation or genuine long-term deviations in the trend of height growth of individual stands, may occasionally result in changes in Yield Class from one measurement to a later one. Except for changes in Yield Class due to a reduction in height growth because of damage to leading shoots, the Yield Class indicated by the *most recent* height assessment should be used (that is unless sufficient remeasurements are available to determine an average trend in height growth through time).

20. Under certain conditions total height growth to date may give very misleading indications of current and potential volume growth. If leading shoots are repeatedly damaged by wind or by shoot borers, height growth often suffers more than diameter growth, and an underestimate of Yield Class results. This underestimate may be more serious with stands just starting to grow rapidly after a long period in "check". Under these conditions the correct method of estimating Yield Class from height growth would be to base it on the rate of height growth since coming out of "check". However, differences in the rate of height growth between Yield Classes are small at this stage, and height increment is difficult to measure accurately and is greatly affected by short-term climatic variation. A simpler and often more reliable method is to assume an average duration of "check" of ten years, and to subtract this from the age. This average figure will normally suffice for inventory purposes, if not for individual stands.

21. Age adjustments for heavy beating-up or complete replanting of failed crops should be made before determining General Yield Class, but age differences relating to less than 20% of the crop may usually be ignored, provided that the trees in question are distributed evenly throughout the crop and throughout the canopy classes.

Production Class Curves (Graphs 17 to 30 on pages 43 to 56)

22. The graphs provided separately for each species for determining Production Class make use of top height as the horizontal or x axis. The use of *height*, rather than *age*, means that a single relationship can be used to cover

all the Yield Classes within a species, so avoiding a separate set of Production Class curves for each Yield Class of each species.

23. Production Class provides a means for improving the estimate of Yield Class based on height growth alone, i.e. General Yield Class, and for converting it into a Local Yield Class which takes account of the fact that the total volume production at a given top height is greater than, or less than, the average for the country as a whole.

24. The conversion from General to Local Yield Class is simply a question of raising or lowering the General Yield Class by one class, or of confirming that the Local Yield Class is the *same* as the General Yield Class. Thus a stand which is General Yield Class 180, Production Class 'a', becomes Local Yield Class 200; but if the Production Class had been 'c' the Local Yield Class would be 160. The exceptions to this rule are Grand fir and Poplar, where the Production Class interval is 40 hoppus feet to fit in with the tabulation of alternate Yield Classes.

25. There are three sets of curves on each Production Class graph, one for each of the three principal methods used for determining Production Class. The three methods are as follows:

Total volume production to date (standing volume plus all thinnings)
Total basal area production to date.
Average girth of the 40 trees of largest girth per acre (top height trees).

The second and third methods are really substitutes for the first, to be used when information on total volume production is not available or is too expensive to assess. The total basal area production method will normally be used for stands which have not yet been thinned and which are not being assessed for volume for any other purpose. Mean girth (weighted by basal area) of the top height trees will be used wherever information on past thinnings is not available or not reliable.

26. The assessment of Production Class is as much a sampling problem as anything else, since the estimates for individual stands are subject to high degrees of measurement and sampling error at practicable levels of sampling intensity. Where average girth of the top height trees is used, there is the further problem of the relative efficiency of this variable, which is influenced by initial spacing and by thinning. Because of these difficulties, Production Class will normally be determined for relatively large areas rather than for individual stands. This is reasonable if, as seems likely, Production Class differences are attributable mainly to regional site or climatic effects, rather than to micro-site factors.

27. Variation in Production Class between individual stands may be sufficient to become important for thinning control purposes. If it is important enough to matter, it will probably be evident, at the time of marking, that some adjustment is necessary. The only certain basis for making this adjustment is to measure Production Class, but since this is usually impracticable for individual stands, the adjustment has to be made to the intensity of thinning on a visual basis to correct for differences between individual stands. Provided that Production Class has been correctly assessed for the forest as a whole, the individual corrections will cancel out, and forecasts which are made for the forest as a whole will be unaffected by the individual adjustments.

28. For much the same reasons, variation in the Production Class, or in the General Yield Class, within the stand, are best dealt with in a subjective manner by adjustments based on visual impressions of the density of stocking. This is because it is usually impracticable to assess General Yield Class, let alone Production Class, for parts of the stand unless it is large and is divided into subcompartments.

29. The Production Class curves can be printed as separate sheets so that field data can be plotted directly onto the curves, so avoiding the necessity of transferring the curves onto data graphs; and this system is used internally by the Forestry Commission. The printed curves are the mean lines for the classes, so that the appropriate class is indicated by the curve which most closely characterises the position and trend of the plotted Production Class data for the individual stands. Information about the distribution of Production Class in different parts of the forest can be obtained by plotting the data from these parts on separate graphs or in different colours or symbols on the same graph.

Quality Class/General Yield Class Conversion Table (page 16)

30. There is a direct relationship between Yield Class and Quality Class as used in the *Revised Yield Tables for Conifers in Great Britain* (1953) because the shape of the growth curves has changed only slightly in the case of most species. Such differences as there are mean that the Yield Class value given in the Conversion table may differ from the value of maximum mean annual volume increment given in the previous yield table for a particular Quality Class. It is preferable, therefore, to refer to the Conversion Table rather than to the 1953 *Yield Tables*.

31. The principal use of this table will be to convert Quality Classes into the nearest whole Yield Class, but the figures in brackets provide the Yield Class equivalent to the nearest 5 hoppus feet, for more detailed comparisons.

THINNING REGIME ADOPTED FOR THE MANAGEMENT TABLES

General

32. The main point of interest in the thinning regime adopted for the Management Tables is that the *annual* thinning yield for the normal thinning period is equal to 70% of the Yield Class value, both quantities being in hoppus feet (over bark to 3 inches top diameter) per acre. The fact that the annual thinning yield is 70% of the maximum *mean* annual increment, for a period equal to about three-fifths of the rotation age, means that about 45% of the total volume production will have been removed in the form of thinnings by the time the age of maximum mean annual increment is reached. This implies removal of about 50% of the *current* annual increment over the same period, although during the period the proportion of the current annual increment removed varies somewhat above and below 50%.

33. This rate of removal can only be maintained as long as the level of current annual increment is reasonably high, but as it falls below a certain level the intensity of thinning must be correspondingly reduced from the 70% level. This reduction usually commences a few years before the age of maximum mean annual increment, so that for stands managed on economic rotations

most, if not all, thinnings will be made during the period when the annual yield is constant at 70% of the Yield Class value.

34. This constant ratio of 70% of the maximum mean annual increment was found, by a process of trial and error, to be the most appropriate and to hold good for all species and Yield Classes. Differences in the pattern of growth are accommodated by adjusting the time for starting and finishing the period of constant annual thinning yield. In the course of investigating the thinning intensities resulting from the application of the grade system of defining thinning treatments, it was discovered that there was very little difference between the thinning grades C/D, D, E, LC and HC (Hummel et al 1959) in terms of thinning intensity, i.e. annual thinning yield, and that an intensity of 70% of the Yield Class was a good compromise for all five grades.

35. It was also discovered that the annual thinning yield for permanent sample plots, thinned to one of these five grades, characteristically fluctuated up and down from one thinning to the next as if the marker was correcting for the effects of the previous thinning. The net result of the corrections (probably a response to the density of the canopy) being to produce, for all grades, a similar average intensity which remained more or less constant with time.

36. All this, to some extent, explains why an analysis of all thinning experiments and permanent sample plots (over a thousand in all) failed to reveal any clear correlation between thinning grade and volume increment, except in the case of D, E, LC and HC grade thinnings of above-average thinning intensity. The average intensity of the five thinning grades mentioned above thus appears to be critical with respect to maximum volume production. More intensive thinning than the average for these grades results in some loss of volume increment despite the greater girth increment of the remaining trees.

37. As the average intensity associated with the two *crown* thinning grades, and the C/D, D and E grade *low* thinnings, appeared to satisfy the management requirement of the greatest girth increment consistent with maximum volume production, on rotations approximating to those of maximum mean annual increment, the thinning regime used in the Management Tables was based on the plot data for these five grades of thinning.

Table of Average Basal Area Stocking (page 17)

38. The implications of this standard thinning regime on the progress of the average basal area stocking are shown in this table, which is presented in relation to *top height* rather than *age*, to avoid the necessity for separate tables for each Yield Class. Average basal area stocking is defined as the basal area after thinning, *plus* half the basal area removed in thinning. It can be regarded either as the basal area stocking on an infinitely short thinning cycle, or as the basal area stocking halfway between thinnings.

39. A separate table has been prepared for two reasons. First it makes for easier comparison between species and, secondly, the disadvantage for thinning control of after-thinning stocking, as used in the yield tables, is avoided. The after-thinning figures in the yield tables give a misleading impression, as they refer to the five-year thinning cycle used for convenience in presenting the Normal Yield Tables in this publication. Shorter thinning cycles will often be used in practice, and the after-thinning level of the growing stock will therefore be greater than that shown in the yield tables.

40. The values in the Table of Average Basal Area Stocking, when compared with actual basal areas per acre, do not give a reliable indication of whether a stand is ready for thinning or not. This is partly because they are not before-thinning values (these will be greater by amounts which increase with the length of the thinning cycle), and partly because the tabulated values are only appropriate to stands which have always been thinned in accordance with the regime assumed in the Management Tables.

41. Normally, however, stands which are ready for thinning will have basal areas *greater* than the values quoted in the table; whereas stands which are not ready for thinning will usually have basal areas *below* the values quoted in the Table of Average Basal Area Stocking.

MANAGERIAL FUNCTION OF THE MANAGEMENT TABLES

General

42. The Management Tables comprise, broadly, two types of table: those intended to be used as an aid to long term planning, and those designed primarily for day-to-day management. The Normal Yield Tables and the Summary Tables (which relate to the age of maximum mean annual increment) together provide information for long-term planning. The remaining tables cater for problems of more immediate importance. The Production Forecast tables are included in this latter group because forecasting, although concerned with long-term production, is very much a routine operation ancillary to planning proper.

Production Forecast Tables (pages 79 to 136)

43. The Production Forecast tables are divided into two parts, first the *Thinning Forecast Table* and second, the *Felling Forecast Table*. In both tables the volume yields are expressed in terms of three different top-diameter limits, namely 3, 7 and 9 inches over bark. Note that these are not *classes* in that the volume expressed to a 7 inch top includes the volume to a 9 inch top, and the 3 inch volume includes the volume to both 7 and 9 inches top diameter. The fourth entry is mean breast-height quarter-girth and is included so that volumes to top diameters *other than* 7 and 9 inches can be obtained by reference to the Stand Assortment Tables.

44. The volume yield in both the Thinning and Felling Forecast tables are intended to be used with gross acreages, i.e. acreages which include unproductive area in the form of roads, rides, etc. A standard reduction of 15% has been made to all the volumes in the Production Forecast tables, partly to allow for unproductive area included in the gross acreage, and partly as a general allowance for sub-normal stocking and for the variable bias resulting from the "rounding-down" measurement convention.

45. The reduction of 15% means that the annual volume yields in the *Thinning Forecast Table* are equivalent to 60% of the Yield Class value, rather than the 70% which applies to net acreages as used in thinning control for fully productive areas. Annual thinning yields are quoted only up to the age of maximum mean annual volume increment since thinning is not usually practised extensively beyond this age.

46. The volumes in the *Felling Forecast Table* are not annual yields but are simply average standing volumes reduced by 15% as explained in para. 44. *Average* standing volume is defined as the after-thinning volume *plus* half the volume removed in thinning. It represents the average progress of the growing stock when the fluctuations before and after thinning have been smoothed out. *Average standing* volumes have been used rather than *before-thinning* volumes because the latter vary more with different thinning cycles, and because the small underestimate afforded by the average values constitutes a useful additional safety factor.

47. This safety factor in addition to the 15% allowance is desirable for forecasts of felling yields, because the system of yield control is applied to the volume *removed* in thinning rather than to the volume *left standing*, which in consequence is likely to be more uncertain. It will normally be worth making actual assessments of the standing volume of crops scheduled for *felling*, because of this uncertainty and because the volume per acre of fellings is much greater than that of thinnings. The measured volumes can be used to obtain a correction factor to apply to the volume in the Felling Forecast Tables, in order to retain the advantages of a convenient tabulation.

48. The *Felling Forecast Tables* are presented in five-year age intervals, starting five to ten years after the normal time of first thinning and extending as far as the age-limit adopted for the yield tables. This means that felling yields, ranging from those associated with the replacement of unsatisfactory crops to those associated with crops retained beyond the normal rotation age for reasons of shelter, amenity, etc., can be predicted. The accuracy of prediction will depend largely on the degree of correspondence between the actual treatment and the treatment assumed in the tables (assuming that Yield Class and age have been determined correctly).

49. The *Thinning Forecast Tables* are presented in one-year age intervals to enable forecasts to be made for any specific age, without the need for interpolation between tabulated values. The tables for oak and beech, however, have entries at 5 year intervals only, although the volumes are still *annual* yields. Annual yields are used throughout, so that forecasts can be made without reference to the actual thinning cycle. Using this system, the annual thinning yield is multiplied by the *whole* area in the thinning stage, not just by that part of the area due to be thinned in the year in question. The constant annual thinning yields, equivalent to 60% of the Yield Class, are continued right up to the age of maximum mean annual increment, in contrast to the situation in the *Thinning Control Tables* where the values begin to reduce a few years before the age of culmination. The reason for this apparent inconsistency is associated with the method of forecasting used within the Forestry Commission, which requires correction for the fact that the last thinning is carried out at an earlier age than that used to enter the Thinning Forecast tables for the annual thinning yield.

50. In order to simplify presentation, only the "whole-inch" values of mean breast-height quarter-girth are tabulated in the Thinning Forecast tables. If actual mean girths of either fellings or thinnings differ from the values given in the Production Forecast tables, new values for the volumes to 7 and 9 inch top-diameter will be required to replace those quoted in the tables. The **Table**

of 7 and 9 inch Annual Thinning Yields is provided to cater for adjustments to the Thinning Forecast table values, but adjustments to the Felling Forecast values must be made by reference to the Stand Assortment Table or to actual measurements of standing volume.

Stand Assortment Table (page 20)

51. This is a single table which applies to all species up to breast-height quarter-girths of ten inches. Beyond this girth the table is unreliable for hardwoods, because of greater branchwood development.

52. The table gives the volume to various over-bark top-diameter limits, expressed as a percentage of the volume per acre to the conventional three-inch over-bark limit. The table is entered via mean breast-height quarter-girth (BHQG), and may be applied to either thinning or main crop volumes, provided the distribution of girths approximates to a normal distribution.

Thinning Control Tables (pages 57 to 78)

53. The volumes in the Thinning Control Tables are annual thinning yields to be applied to fully-stocked areas. The annual volume is multiplied by the intended thinning cycle to obtain the total volume to be removed in a particular thinning operation.

54. Basal areas and Tariff numbers are given in the tables, in addition to volumes, so that volumes can be estimated without the need to measure volume sample trees. This means that control can be exercised at the time of marking the thinning, either by means of the volume estimate made for purposes of sale, or indirectly using the average Tariff number or basal area given in the Thinning Control Table.

55. The average values of Tariff number and basal area given in the Thinning Control Tables are fairly reliable, provided the type of thinning is not too dissimilar from that assumed in the tables, i.e. an intermediate type of thinning. Thinnings which remove larger-than-average proportions of larger-girthed trees will be associated with lower basal areas and higher Tariff numbers than shown in the tables. The reverse will be the case for thinnings removing smaller-than-average proportions of larger-girthed trees.

56. The entries for the normal thinning period are printed in bold type. The annual thinning yields during this period are constant at a value corresponding to 70% of the yield class. The first three entries in each column, printed in light type, relate to ages before the normal time of first thinning, and show a build-up towards the constant value for the Yield Class. The annual thinning yield remains constant until a few years before the age of maximum mean annual increment, at which point the values begin to decline. The declining values are printed in light type at five-yearly intervals, because they are of lesser importance and are likely to be used only when stands are being retained beyond the normal rotation age for reasons of amenity, etc.

57. The thinning yields quoted in the tables relate to stands which, in silvicultural terms, are ready for thinning, i.e. which have closed canopy after the previous thinning. If they are applied to stands which have not yet recovered from the last thinning, or which for any reason are markedly under stocked, the effect will be to perpetuate this condition, if not to increase the degree of understocking. They are applicable to all levels of stocking above

the threshold value represented by complete canopy, but when applied to grossly overstocked stands they can be expected to reduce the degree of overstocking only gradually. If for some reason the degree of overstocking must be reduced more rapidly, then the intensity of thinning must be increased somewhat, and account must be taken of this when forecasting for any appreciable area in this condition.

58. Control of thinning yield may be exercised at three levels: after the thinnings have been felled; after the thinning has been marked; or at the time the thinning is actually being marked. Control of the first type really amounts to an accounting check on the total volume removed from an area (which will usually be a gross area) whether it is the whole forest, a beat or subsection of the forest, or the smallest management unit—usually a subcompartment.

59. The area figure used for this overall type of check on volume removed will usually include unproductive area, which means that the volume yields in the Thinning Forecast Tables will be more appropriate than those in the Thinning Control Tables. This is because the former are designed for use with gross acreages and include a 15% reduction in the volume yields to adjust for this, while the latter tables do not.

60. The volume of thinnings already felled can be used as the basis for a retrospective check, but control proper can only be exercised at the marking stage, preferably while marking is in progress. The volumes in the Thinning Control Tables apply to fully stocked areas, so that they can be used at the marking stage via small sample plots or relascope counts. These will normally exclude areas which are grossly understocked, and the marking in such areas will be adjusted visually to a more appropriate level. In the same way minor fluctuations in the density of stocking will be catered for by visual adjustments to the intensity of thinning appropriate to the areas of average stocking.

61. The small plots or relascope counts used for checking the average intensity of marking will be situated at random, and will be expected to reflect variation in the intensity of marking resulting from differences in the density of stocking, as well as reflecting the average level of thinning intensity. This means that considerable variation can be expected between individual plots. This will be more pronounced the smaller the plot, or the fewer the number of trees in a relascope count; sufficient plots or counts will have to be made to obtain a fair average before the overall intensity can be checked.

62. The number of plots or counts required to obtain a good impression of the correct weight of thinning, and then to check that this is being maintained, will depend to a large extent on the skill of the marker. As skill in visual estimation increases, the number will decrease and the task of checking may eventually be taken over entirely by the supervisory grade, at least where marking is carried out by junior staff.

63. Note that the tables offer a system of control only in terms of the volume removed, *not* in terms of the type of thinning, i.e. which sorts of tree are removed to obtain the required volume. Normal silvicultural supervision and control will be required to take care of this aspect of thinning control.

Tables of Ages and Heights at First Thinning (pages 18 and 19)

64. This is a summary table to enable the top heights and ages at the normal time of first thinning to be compared for different species and Yield Classes.

The information is presented in another form on the General Yield Class (height/age) curves by the lower of the two blue-coloured curves which cut across the height/age curves proper.

PLANNING FUNCTION OF THE MANAGEMENT TABLES

65. The main function of the Normal Yield Tables is to provide models of stand growth and yield which, by means of visual inspection or by economic analysis, can be used as a basis for planning decisions. In constructing a yield table, a particular thinning regime has to be assumed and any deviation in practice from this regime will produce a different set of stand characteristics. For this reason there is relatively little to be gained by comparing the characteristics of *individual stands* with those of a yield table. On a statistical basis, however, the average characteristics of a *large number of stands* may be expected to agree more closely with those of the yield table.

66. In general, yield table stand characteristics will agree less closely with those of older stands than with those of younger stands, wherein differences in treatment have had less time to take effect. This constitutes a further reason for restricting the use of yield tables to long-term planning for stands at present at an early stage of development.

67. Comparison of growth and yield characteristics for different species may be made on the basis of the average Yield Class for the species; but when comparing differences in the pattern of growth it is convenient to use the same Yield Class table for each species, if this is possible. The **Table of Age of Maximum Mean Annual Increment** and the **Table of Height and Mean BHQG at Age of Maximum MAI** provide a basis for comparing final crop characteristics by species and Yield Class.

Normal Yield Tables (pages 137 to 212)

68. *Normal* yield tables refer to fully-stocked stands as opposed to *Empirical* yield tables and *Variable Density* yield tables which refer, respectively, to tables based on inventory data which includes stands of different levels of stocking, and to tables which can be adjusted to take account of variation in stocking. The term "normal yield table" is sometimes used to mean a yield table for unthinned stands, but in this publication it is used in the sense of the definition of the "*Forestry Terminology*" of the Society of American Foresters (1958)—"A standard yield table with which to compare actual yields. The values of a normal yield table are derived as averages of the best producing fully-stocked areas for given species, sites, and methods of treatment". "Fully-stocked" is interpreted herein as meaning the stocking at which near-maximum volume growth per acre is maintained, in the case of tables for thinned stands.

69. The Normal Yield Tables in this publication are basically *General* yield tables in that they apply to stands throughout the whole of Britain, but they may be converted into *Local* or *Regional* yield tables by means of the Production Class system. This consists of using the table for the Yield Class above or below that indicated by the rate of height growth, which allows for above-average, or below-average, volume production for a given top height.

70. The Production Class system also makes it possible to use one yield table to cover more than one species as, for example, with such apparently

different species as Sycamore, Ash and Birch. The conditions for such multiple species tables are that the species should have similar patterns of height growth, and of volume growth relative to height.

71. All the yield tables, with the exception of those for Oak and Beech, are constructed on the 'master table' basis. The master table is a single table for each species and relates all the crop characteristics to top height, irrespective of the rate of height growth (i.e. Yield Class). The tables for the individual Yield Classes are then derived from the master table by means of the appropriate top height/age relationship.

72. This method of construction is only practicable so long as height growth remains vigorous, since the relationships for the individual Yield Classes begin to diverge from the master table relationship as height growth diminishes but girth growth continues. This problem is avoided in most species by stopping the tables before the critical point is reached; but in the Oak and Beech tables, which are extended to 150 years, separate relationships of volume with height have been assumed for each Yield Class. In these two species there was also some indication (although the data is inadequate for one to be sure of this) that separate relationships for the Yield Classes are required from an early age.

73. The main-crop characteristics in the master tables were constructed in terms of the average growing stock (i.e. the growing stock after thinning plus half the thinning yield) rather than the after-thinning values as was the case in the 1953 tables. Since the same thinning cycle is used for all Yield Classes in presenting the yield tables, this results in *lower* after-thinning growing stock levels at the same height for the *upper* Yield Classes, than for the *lower* Yield Classes. But because of the method of construction, the *average* level of the growing stock is the same for all Yield Classes of a particular species.

74. Further details of the methods used in constructing the yield tables are to be published separately. Details of the characteristics featured in the Normal Yield Tables, and definitions of the units, are given in Appendix I, *Description of Units of Measure.*

Rotation Age Summary Tables

75. The **Table of Age of Maximum Mean Annual Increment** (page 22) can be used to obtain some idea of the rotation age for maximum profit, which for short rotations will normally be slightly later than, and for long rotations, somewhat earlier than, the rotation of maximum mean annual volume increment. Determination of felling age will normally be a matter for detailed economic analysis at a stage when the decision becomes critical, i.e. within a few years of the age of maximum mean annual volume increment.

76. The **Tables of Mean BHQG and Height at Age of Maximum Mean Annual Increment** (pages 23 and 24) are designed to provide comparative information on two final-crop characteristics. The differences between Yield Classes within the same species are noteworthy in that they demonstrate the difficulty of defining rotation age in terms of a single final crop characteristic, such as breast-height quarter-girth, without transgressing economic considerations.

For convenience of reference, the Ancillary Tables, Nos. 1 to 9 inclusive, follow.

Ancillary Tables

QUALITY CLASS/GENERAL YIELD CLASS CONVERSION TABLE

See text page 6

SPECIES	Quality Class I	Quality Class II	Quality Class III	Quality Class IV	Quality Class V
Scots pine	140 *(150)*	120 *(110)*	80 *(80)*	60 *(55)*	— —
Corsican pine	180 *(185)*	140 *(150)*	120 *(115)*	80 *(85)*	— —
Lodgepole pine	120 *(115)*	100 *(90)*	60 *(65)*	— —	— —
Sitka spruce	280 *(285)*	240 *(245)*	200 *(210)*	180 *(175)*	140 *(140)*
Norway spruce	200 *(200)*	160 *(160)*	120 *(125)*	100 *(90)*	— —
European larch	120 *(125)*	100 *(95)*	80 *(70)*	60 *(50)*	40 *(30)*
Japanese larch	160 *(170)*	140 *(140)*	100 *(110)*	80 *(80)*	60 *(55)*
Hybrid larch	160 *(170)*	140 *(140)*	100 *(110)*	80 *(80)*	60 *(55)*
Douglas fir	260 *(260)*	220 *(215)*	180 *(180)*	140 *(145)*	120 *(110)*
Western hemlock	260 *(260)*	220 *(220)*	180 *(185)*	140 *(150)*	— —
Western red cedar	220 *(230)*	180 *(180)*	140 *(145)*	— —	— —
Lawson cypress	220 *(230)*	180 *(180)*	140 *(145)*	— —	— —
Grand fir	320 *(325)*	280 *(280)*	240 *(240)*	200 *(200)*	— —
Noble fir	240 *(230)*	180 *(180)*	140 *(135)*	— —	— —
Oak	80 *(80)*	60 *(65)*	60 *(50)*	40 *(40)*	20 *(30)*
Beech	100 *(100)*	80 *(80)*	60 *(65)*	60 *(50)*	40 *(40)*
Sycamore	100 *(110)*	60 *(70)*	40 *(40)*	— —	— —
Ash	140 *(145)*	100 *(100)*	60 *(65)*	40 *(40)*	— —
Poplar	120 *(110)*	80 *(75)*	40 *(50)*	— —	— —

Figures in bracket give more precise conversions.

AVERAGE BASAL AREA STOCKING

(Sq. ft. q. g. per acre)

See text page 7

SPECIES	TOP HEIGHT (FEET)																			
	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120
Scots pine	82	79	82	87	93	100	108	116	125	132	139	146	153	162	167	174	—	—	—
Corsican pine	107	107	106	106	107	108	110	112	115	118	122	126	129	133	137	142	148	153	158
Lodgepole pine	100	100	99	99	99	100	101	102	104	106	108	110	113	116	120	124	128	—	—
Sitka spruce	102	107	108	109	110	112	116	119	122	126	129	132	135	139	143	147	151	155	159
Norway spruce	95	100	103	106	110	114	119	124	130	136	142	149	155	161	168	175	182	190	197
European larch	67	70	71	71	72	75	79	82	85	88	92	96	99	103	106	110	—	—	—
Japanese larch	67	68	70	72	74	76	79	81	84	87	90	93	96	100	103	106	110	—	—
Hybrid larch	67	68	70	72	74	76	79	81	84	87	90	93	96	100	103	106	110	—	—
Douglas fir	78	81	83	86	89	92	96	100	105	109	114	120	125	131	137	143	150	156	163
Western hemlock	—	96	103	108	111	113	115	117	119	122	124	127	130	133	136	139	141	144	147
Western red cedar	—	—	157	158	161	166	172	180	188	196	205	213	222	231	240	249	258	267	276
Lawson cypress	—	—	157	158	161	166	172	180	188	196	205	213	222	231	240	249	258	267	276
Grand fir	89	104	110	114	116	118	120	122	124	127	131	136	141	147	153	160	166	173	181
Noble fir	—	133	140	144	147	151	154	158	161	165	170	175	181	188	195	202	209	—	—
Oak	—	73	73	73	73	74	76	78	80	82	84	86	—	—	—	—	—	—	—
Beech	—	67	70	74	78	83	87	92	97	102	106	111	116	121	125	130	—	—	—
Sycamore	39	43	48	54	60	67	76	85	95	106	118	131	—	—	—	—	—	—	—
Ash	39	43	48	54	60	67	76	85	95	106	118	131	—	—	—	—	—	—	—
Birch	39	43	48	54	60	67	76	85	95	106	118	131	—	—	—	—	—	—	—

AGES AT NORMAL TIME OF FIRST THINNING

See text page 11

SPECIES	YIELD CLASS														
	340	300	280	260	240	220	200	180	160	140	120	100	80	60	40
Scots Pine	—	—	—	—	—	—	—	—	21	22	24	27	30	35	—
Corsican Pine	—	—	—	—	—	18	19	20	21	22	24	27	30	—	—
Lodgepole pine	—	—	—	—	—	—	—	—	—	20	22	25	29	34	—
Sitka spruce	—	—	18	18	19	19	20	21	22	23	25	27	(31)	(37)	—
Norway spruce	—	—	—	—	20	21	22	23	24	25	27	30	(34)	—	—
European larch	—	—	—	—	—	—	—	—	—	17	19	21	24	28	34
Japanese larch/ Hybrid larch	—	—	—	—	—	—	—	—	14	15	16	18	20	23	—
Douglas fir	—	—	—	17	17	18	19	20	21	22	24	—	—	—	—
Western hemlock	—	—	—	19	20	21	22	23	25	27	—	—	—	—	—
Western red cedar/ Lawson cypress	—	—	20	21	22	23	24	26	28	30	—	—	—	—	—
Grand fir	19	20	—	21	—	22	—	24	—	—	—	—	—	—	—
Noble fir	—	—	—	—	23	24	25	26	27	29	—	—	—	—	—
Oak	—	—	—	—	—	—	—	—	—	—	—	—	26	31	38
Beech	—	—	—	—	—	—	—	—	—	—	—	27	30	34	39
Sycamore/ Ash/ Birch	—	—	—	—	—	—	—	—	—	—	16	17	19	21	25
Poplar	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

TOP HEIGHTS (FEET) AT NORMAL TIME OF FIRST THINNING

See text page 11

SPECIES	YIELD CLASS														
	340	300	280	260	240	220	200	180	160	140	120	100	80	60	40
Scots pine	—	—	—	—	—	—	—	—	37	36	34	32½	31	30	—
Corsican pine	—	—	—	—	—	36½	36	35½	35	34	33	32	31	—	—
Lodgepole pine	—	—	—	—	—	—	—	—	—	35	34½	34½	34	33½	—
Sitka spruce	—	—	42	40	38	36½	35	33½	32½	31	30	30	(30)	(30)	—
Norway spruce	—	—	—	—	38	37½	37	36	35½	35	34	33½	(33)	—	—
European larch	—	—	—	—	—	—	—	—	—	41½	40½	40	38½	37	35
Japanese larch/ Hybrid larch	—	—	—	—	—	—	—	—	35½	34½	33½	32½	31	30	—
Douglas fir	—	—	—	45½	45	44	43	42	41	39½	38	—	—	—	—
Western hemlock	—	—	—	44	43	42	40½	39	38	36½	—	—	—	—	—
Western red cedar/ Lawson cypress	—	—	42½	42	42	41½	41	40½	40	39½	—	—	—	—	—
Grand fir	46	45	—	43½	—	42	—	40	—	—	—	—	—	—	—
Noble fir	—	—	—	—	43½	42½	41½	41	40	39	—	—	—	—	—
Oak	—	—	—	—	—	—	—	—	—	—	—	—	39	38	36
Beech	—	—	—	—	—	—	—	—	—	—	—	46	43	38	32
Sycamore/ Ash/ Birch	—	—	—	—	—	—	—	—	—	—	40	38	37	35½	34
Poplar	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

STAND ASSORTMENT TABLE FOR CONIFERS AND SMALL HARDWOODS

Volume to tip and to various top diameters as a percentage of volume to 3 in. top diam. o.b.

See text page 10

(Hardwoods to 10 inch. b.h.q.g. only)

Mean BHQG (ins.)	To Tip (No min. Length)	To Top Diameter o.b. (inches) Minimum Length 10 ft. 3	4	5	6	7	8	9	10	11	12	13	14	15	Mean BHQG (ins.)
		PERCENTAGE OF VOLUME													
2½	181.5	100	13.8	1.5											2½
2¾	154.7	100	20.0	3.9	0.4										2¾
3	139.6	100	29.3	7.0	0.9										3
¼	129.4	100	41.4	11.0	2.0										¼
½	122.8	100	55.2	16.5	3.6	0.5									½
¾	118.4	100	65.9	23.1	6.1	1.3									¾
4	114.7	100	72.8	31.6	9.5	2.7									4
¼	112.3	100	77.6	41.0	13.9	4.5	0.7								¼
½	110.2	100	81.6	49.6	19.4	7.0	1.7								½
¾	108.5	100	84.5	57.0	26.0	10.1	3.2								¾
5	107.2	100	86.9	63.2	32.9	14.0	5.1	0.6							5
¼	106.2	100	88.8	68.4	39.9	18.8	7.6	1.4							¼
½	105.4	100	90.6	72.7	47.0	24.3	10.4	2.6	0.2						½
¾	104.8	100	92.1	76.6	53.5	30.2	13.8	4.3	0.9						¾
6	104.2	100	93.4	79.8	59.4	36.4	18.1	6.4	1.8						6
¼	103.8	100	94.4	82.6	64.7	42.6	22.8	9.1	3.1	0.3					¼
½	103.4	100	95.3	84.8	69.4	48.6	28.0	12.5	4.9	1.0					½
¾	103.0	100	96.0	86.8	73.5	54.5	33.5	16.4	7.1	1.8					¾
7	102.7	100	96.6	88.6	77.0	59.8	39.1	20.6	9.7	3.1	0.3				7
¼	102.4	100	97.2	90.2	80.2	64.6	44.6	25.1	12.6	4.6	0.8				¼
½	102.2	100	97.6	91.5	82.9	68.8	49.8	29.9	15.9	6.4	1.6				½
¾	102.0	100	98.0	92.7	85.3	72.5	54.5	34.9	19.5	8.6	2.6				¾
8	101.8	100	98.3	93.8	87.2	75.8	58.9	39.8	23.3	11.1	3.8	0.5			8
¼	101.7	100	98.6	94.7	88.9	78.7	62.9	44.5	27.5	14.0	5.4	1.4			¼
½	101.6	100	98.8	95.5	90.3	81.1	66.6	49.0	31.8	17.3	7.3	2.5	0.2		½
¾	101.5	100	98.9	96.0	91.5	83.0	69.8	53.3	36.2	20.8	9.6	4.0	0.8		¾
9	101.4	100	99.0	96.5	92.5	84.7	72.5	57.1	40.5	24.7	12.1	5.7	1.6		9
¼	101.3	100	99.0	96.9	93.5	86.2	75.1	60.9	44.5	28.7	15.0	7.8	2.8	0.3	¼
½	101.2	100	99.1	97.2	94.4	87.6	77.4	64.2	48.5	32.8	18.4	10.2	4.3	0.9	½
¾	101.1	100	99.1	97.5	94.8	88.8	79.6	67.4	52.5	36.7	21.8	13.0	5.9	1.7	¾
10	101.1	100	99.1	97.7	95.2	89.9	81.6	70.2	56.4	40.7	25.6	16.1	7.9	3.0	10
¼	100.0	100	99.1	97.8	95.5	90.8	83.4	72.9	59.8	44.6	29.4	19.4	10.3	4.4	¼
½	100.9	100	99.1	97.9	95.8	91.5	84.8	75.2	63.1	48.4	33.2	22.7	12.8	6.0	½
¾	100.8	100	99.2	97.9	96.1	92.2	86.0	77.5	66.0	51.9	37.1	26.0	15.7	7.9	¾
11	100.7	100	99.2	98.0	96.4	92.8	87.0	79.5	68.6	55.3	41.0	29.4	18.7	9.9	11
¼	100.7	100	99.2	98.1	96.7	93.4	88.1	81.1	71.1	58.4	44.8	32.9	21.8	12.2	¼
½	100.6	100	99.2	98.2	96.9	93.8	89.0	82.6	73.4	61.3	48.1	36.3	25.0	14.8	½
¾	100.6	100	99.3	98.3	97.1	94.3	89.7	84.0	75.5	63.9	51.2	39.8	28.2	17.5	¾
12	100.5	100	99.3	98.4	97.3	94.7	90.4	85.2	77.3	66.3	54.3	43.1	31.4	20.4	12
¼	100.5	100	99.3	98.4	97.4	95.1	91.1	86.3	79.0	68.6	57.1	46.5	34.6	23.3	¼
½	100.5	100	99.4	98.5	97.5	95.5	91.7	87.4	80.6	70.8	59.9	49.5	37.7	26.2	½
¾	100.4	100	99.4	98.6	97.6	95.8	92.3	88.2	82.0	72.6	62.4	52.3	40.6	29.0	¾
13	100.4	100	99.4	98.7	97.7	96.0	92.7	88.9	83.2	74.4	64.7	55.0	43.4	31.8	13
¼	100.4	100	99.5	98.8	97.8	96.2	93.1	89.7	84.3	76.0	66.9	57.4	46.1	34.4	¼
½	100.3	100	99.5	98.9	97.9	96.4	93.5	90.3	85.3	77.6	68.8	59.7	48.6	37.0	½
¾	100.3	100	99.5	98.9	98.0	96.6	93.9	90.8	86.2	79.0	70.5	61.8	50.9	39.3	¾
14	100.3	100	99.6	99.0	98.1	96.8	94.3	91.2	86.9	80.3	72.2	63.7	53.0	41.6	14
¼	100.3	100	99.6	99.1	98.2	97.0	94.6	91.6	87.5	81.4	73.8	65.5	55.0	43.7	¼
½	100.2	100	99.6	99.2	98.3	97.1	94.9	92.0	88.1	82.4	75.2	67.1	56.8	45.6	½
¾	100.2	100	99.7	99.2	98.4	97.2	95.1	92.4	88.7	83.4	76.5	68.6	58.4	47.4	¾
15	100.2	100	99.7	99.3	98.5	97.3	95.3	92.7	89.3	84.3	77.5	70.0	59.9	48.9	15

TABLE OF 7 IN. AND 9 IN. ANNUAL THINNING YIELDS (FOR PRODUCTION FORECASTING)

See text page 9

YIELD CLASS	340	320	300	280	260	240	220	200	180	160	140	120	100	80	60	40
CONSTANT ANNUAL THINNING YIELD	204	192	180	168	156	144	132	120	108	96	84	72	60	48	36	24
MEAN BHQG	Volume (h. ft. o.b.) to 7 in. top diameter o.b.															
4	6	5	5	5	4	4	4	3	3	3	2	2	2	1	1	1
5	29	27	25	24	22	20	18	17	15	13	12	10	8	7	5	3
6	74	70	66	61	57	52	48	44	39	35	31	26	22	17	13	9
7	122	115	108	100	93	86	79	72	65	57	50	43	36	29	22	14
8	155	146	136	127	118	109	100	91	82	73	64	55	45	36	27	18
9	173	163	152	142	132	122	112	102	91	81	71	61	51	41	30	20
10	183	173	162	151	140	129	119	108	97	86	76	65	54	43	32	21
11	189	178	167	156	145	134	122	111	100	89	78	67	56	45	33	22
12	193	182	170	159	148	136	125	114	102	91	80	68	57	46	34	23
	Volume (h. ft. o.b.) to 9 in. top diameter o.b.															
5	1	1	1	1	1	1	1	1	1	1	1	—	—	—	—	—
6	13	12	12	11	10	9	8	8	7	6	5	5	4	3	2	2
7	42	40	37	35	32	30	27	25	22	20	17	15	12	10	7	5
8	81	76	72	67	62	57	53	48	43	38	33	29	24	19	14	10
9	116	110	103	96	89	82	75	69	62	55	48	41	34	27	21	14
10	143	135	126	118	110	101	93	84	76	67	59	51	42	34	25	17
11	162	153	143	134	124	114	105	95	86	76	67	57	48	38	29	19
12	174	164	153	143	133	123	112	102	92	82	72	61	51	41	31	20

AGE OF MAXIMUM MEAN ANNUAL VOLUME INCREMENT

See text page 13

SPECIES	YIELD CLASS														
	340	300	280	260	240	220	200	180	160	140	120	100	80	60	40
Scots pine	—	—	—	—	—	—	—	—	66	69	72	75	79	83	—
Corsican pine	—	—	—	—	—	53	54	55	56	58	60	63	66	—	—
Lodgepole pine	—	—	—	—	—	—	—	—	—	56	59	62	67	73	—
Sitka spruce	—	—	46	47	49	51	53	55	57	59	61	63	(65)	(67)	—
Norway spruce	—	—	—	—	67	68	69	70	72	74	77	81	(86)	—	—
European larch	—	—	—	—	—	—	—	—	—	46	48	51	54	57	61
Japanese larch/ Hybrid larch	—	—	—	—	—	—	—	—	41	42	43	45	48	52	—
Douglas fir	—	—	—	50	51	52	54	56	58	60	63	—	—	—	—
Western hemlock	—	—	—	53	56	59	63	67	72	77	—	—	—	—	—
Western red cedar/ Lawsons cypress	—	—	57	59	61	63	65	67	69	71	—	—	—	—	—
Grand fir	51	51	—	52	—	54	—	56	—	—	—	—	—	—	—
Noble fir	—	—	—	—	65	66	67	69	71	73	—	—	—	—	—
Oak	—	—	—	—	—	—	—	—	—	—	—	—	73	83	93
Beech	—	—	—	—	—	—	—	—	—	—	—	83	91	100	109
Sycamore/ Ash/ Birch	—	—	—	—	—	—	—	—	—	—	40	41	43	46	50
Poplar	—	—	—	—	—	—	—	—	35	—	36	—	39	—	43

MEAN BREAST-HEIGHT QUARTER-GIRTH (INCHES) AT AGE OF MAXIMUM MEAN ANNUAL VOLUME INCREMENT

See text page 13

SPECIES	YIELD CLASS														
	340	300	280	260	240	220	200	180	160	140	120	100	80	60	40
Scots pine	—	—	—	—	—	—	—	—	14½	13¼	12¼	10¾	9½	7¾	—
Corsican pine	—	—	—	—	—	12½	11¾	11	10¼	9¾	8¾	8	7¼	—	—
Lodgepole pine	—	—	—	—	—	—	—	—	—	10	9¼	8½	7½	6½	—
Sitka spruce	—	—	13	12½	12	11½	11	10½	9¾	9	8¼	7½	(6¾)	(6)	—
Norway spruce	—	—	—	—	16	15	14	13	12	11	10¼	9¼	(8½)	—	—
European larch	—	—	—	—	—	—	—	—	—	11½	10½	9½	8½	7¼	5¾
Japanese larch/ Hybrid larch	—	—	—	—	—	—	—	—	10¾	10	9	8¼	7¼	6½	—
Douglas fir	—	—	—	16¾	16	15¼	14¼	13½	12½	11½	10½	—	—	—	—
Western hemlock	—	—	—	11¾	11½	11¼	10¾	10½	10¼	9½	—	—	—	—	—
Western red cedar/ Lawson cypress	—	—	13	12¾	12¼	11¾	11¼	10½	10	9	—	—	—	—	—
Grand fir	15¼	14	—	12¾	—	11¼	—	10	—	—	—	—	—	—	—
Noble fir	—	—	—	—	12¼	11¾	11	10½	9¾	9	—	—	—	—	—
Oak	—	—	—	—	—	—	—	—	—	—	—	—	11	10¾	10
Beech	—	—	—	—	—	—	—	—	—	—	—	13½	12⅝	11¾	10
Sycamore/ Ash/ Birch	—	—	—	—	—	—	—	—	—	—	12	10½	9	7½	5¾
Poplar	—	—	—	—	—	—	—	—	17¼	—	15½	—	13½	—	10¾

TOP HEIGHT (FEET) AT AGE OF MAXIMUM MEAN ANNUAL INCREMENT

See text page 13

SPECIES	YIELD CLASS														
	340	300	280	260	240	220	200	180	160	140	120	100	80	60	40
Scots pine	—	—	—	—	—	—	—	—	88	83½	79	73½	67½	60½	—
Corsican pine	—	—	—	—	—	93	88½	84	79½	75	70	64½	58½	—	—
Lodgepole pine	—	—	—	—	—	—	—	—	—	86½	80½	74½	67½	60½	—
Sitka spruce	—	—	104	101½	99	95½	92	88	84	79	74	68	(61)	(53½)	—
Norway spruce	—	—	—	—	108	103½	99	94½	89½	85	80	74½	(68½)	—	—
European larch	—	—	—	—	—	—	—	—	—	82½	78½	73	67½	60	52
Japanese larch/ Hybrid larch	—	—	—	—	—	—	—	—	79	75	70	65	59	53½	—
Douglas fir	—	—	—	112½	109½	106½	103	99½	95	90½	85½	—	—	—	—
Western hemlock	—	—	—	105½	103½	102	99½	97	94½	91	—	—	—	—	—
Western red cedar/ Lawsons cypress	—	—	98½	96	94	91	88	84½	81	76	—	—	—	—	—
Grand fir	125½	117½	—	109½	—	100½	—	91½	—	—	—	—	—	—	—
Noble fir	—	—	—	—	97	94	90	86½	82	77½	—	—	—	—	—
Oak	—	—	—	—	—	—	—	—	—	—	—	—	80½	72½	61
Beech	—	—	—	—	—	—	—	—	—	—	—	95½	86	75	61½
Sycamore/ Ash/ Birch	—	—	—	—	—	—	—	—	—	—	69	65½	61	57	50½
Poplar	—	—	—	—	—	—	—	—	120	—	109	—	95½	—	77

General Yield Class Curves

NOTE

1 The Yield Class numbers refer to the areas *within* each coloured or non-coloured band and not to the black curves which mark the boundaries *between* adjacent classes.

2. Top height is defined as the average height of the 40 trees of largest girth per acre obtained by measuring the total height of the tree of largest girth on a number of 1/40th acre plots (radius 18 ft. 7 inches). The number of plots depends upon the area of the stand and the variation within the stand but a minimum of 5 heights is required to obtain a reliable average top height.

3. Age is defined as the number of years since *planting* except where stands are growing out of check (see paras. 20 and 21 on page 4).

Forestry Commission Booklet No. 16
FOREST MANAGEMENT TABLES

CORRECTION

Certain height/age curves (General Yield Class Curves) are not exactly aligned with the background grid in this copy of the Forest Management Tables. Most of the errors are obvious and do not amount to more than 2 feet or 2 years at the most.

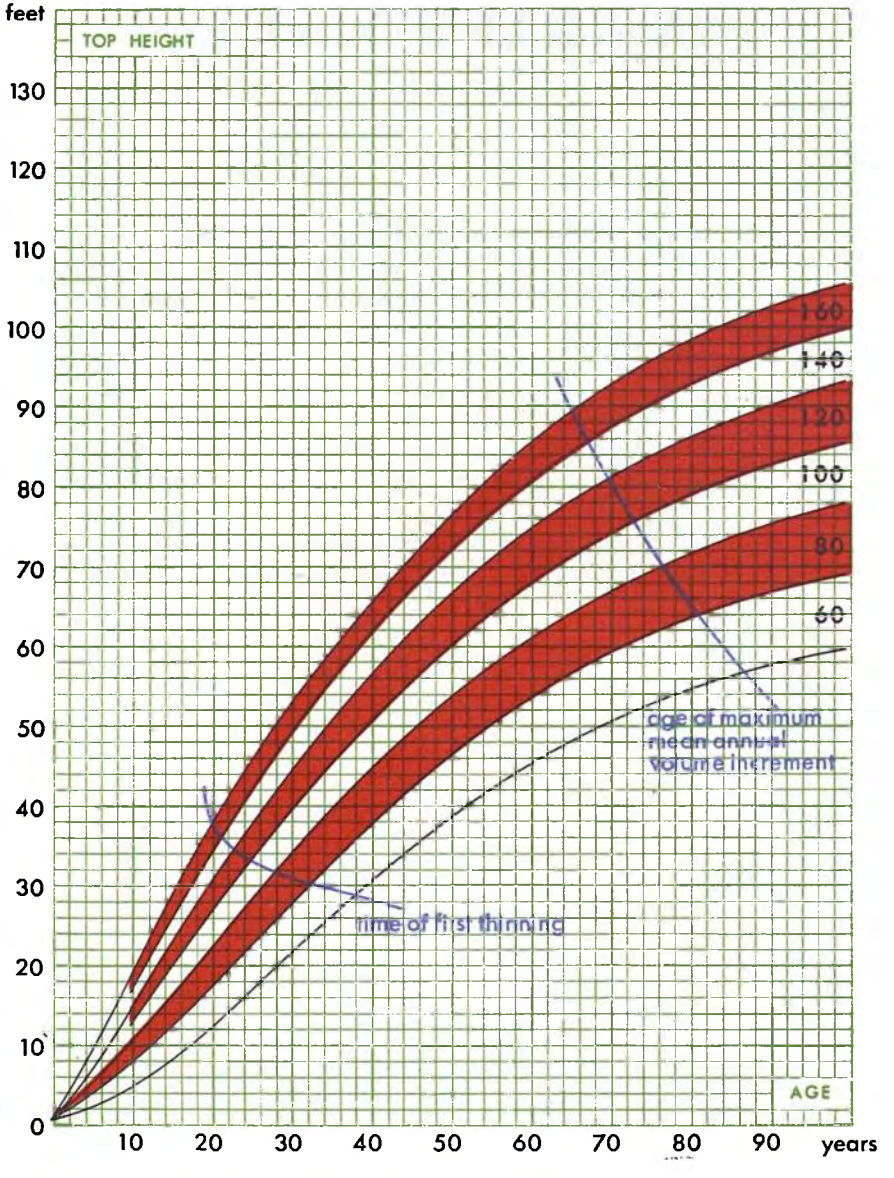
All the tables can be used since General Yield Class can be determined by checking the curves against the Yield Tables heights and ages in Tables 55–70 inclusive.

Forestry Commission
May 1966

LONDON: HER MAJESTY'S STATIONERY OFFICE

SCOTS PINE

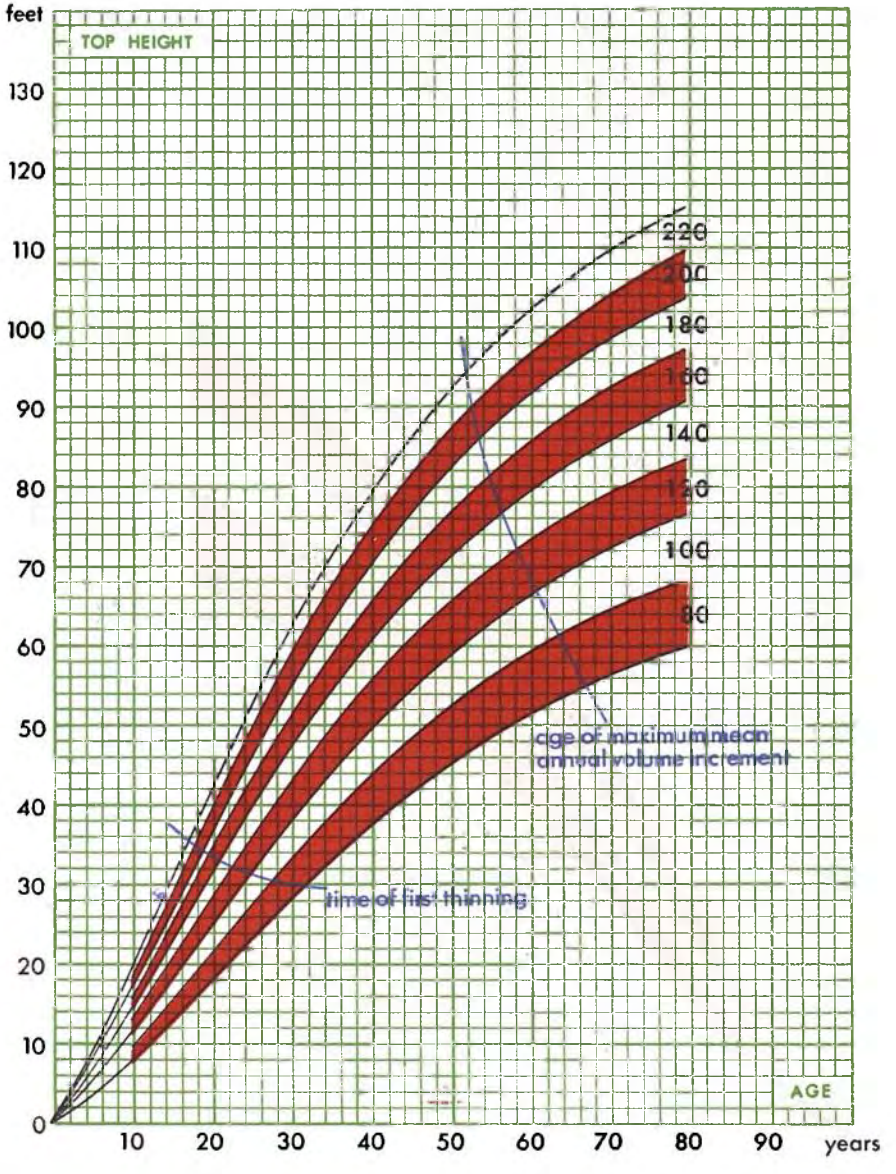
GENERAL YIELD CLASS CURVES



CP CP

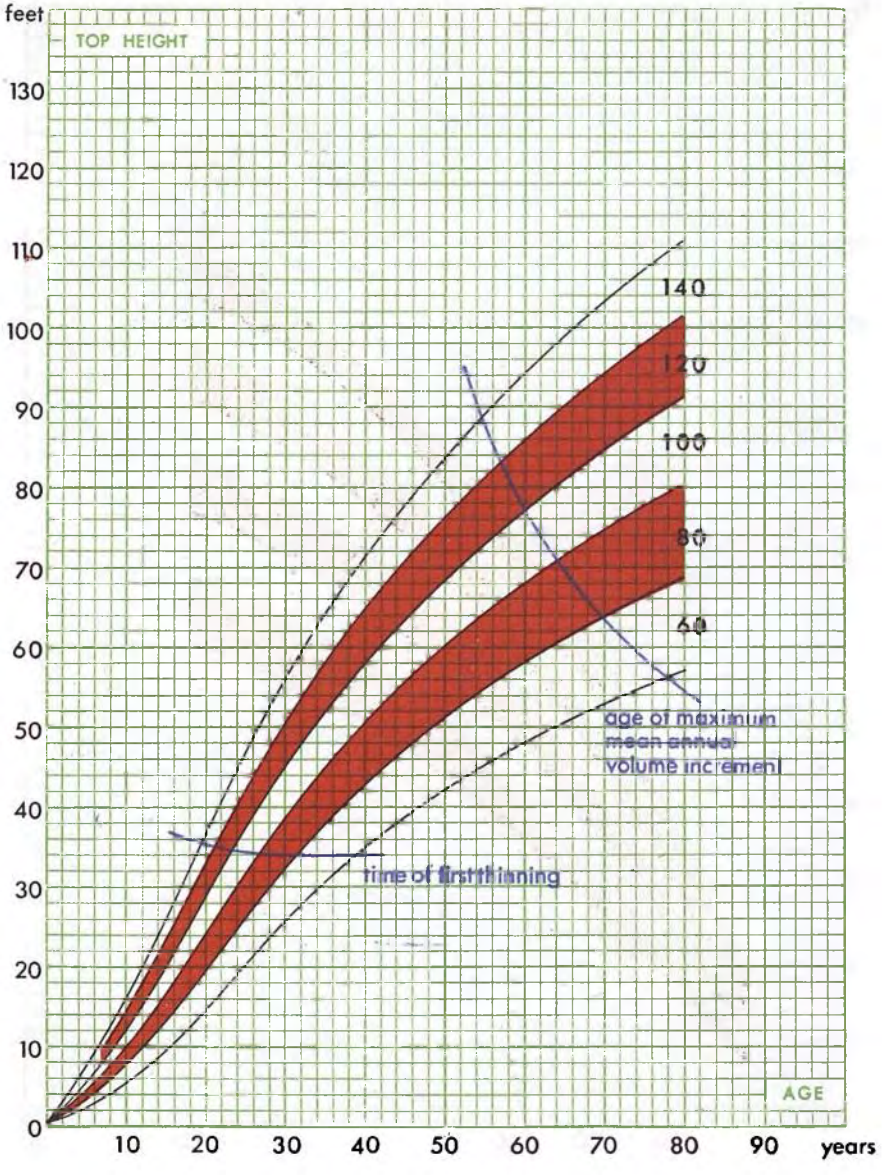
CORSICAN PINE

GENERAL YIELD CLASS CURVES



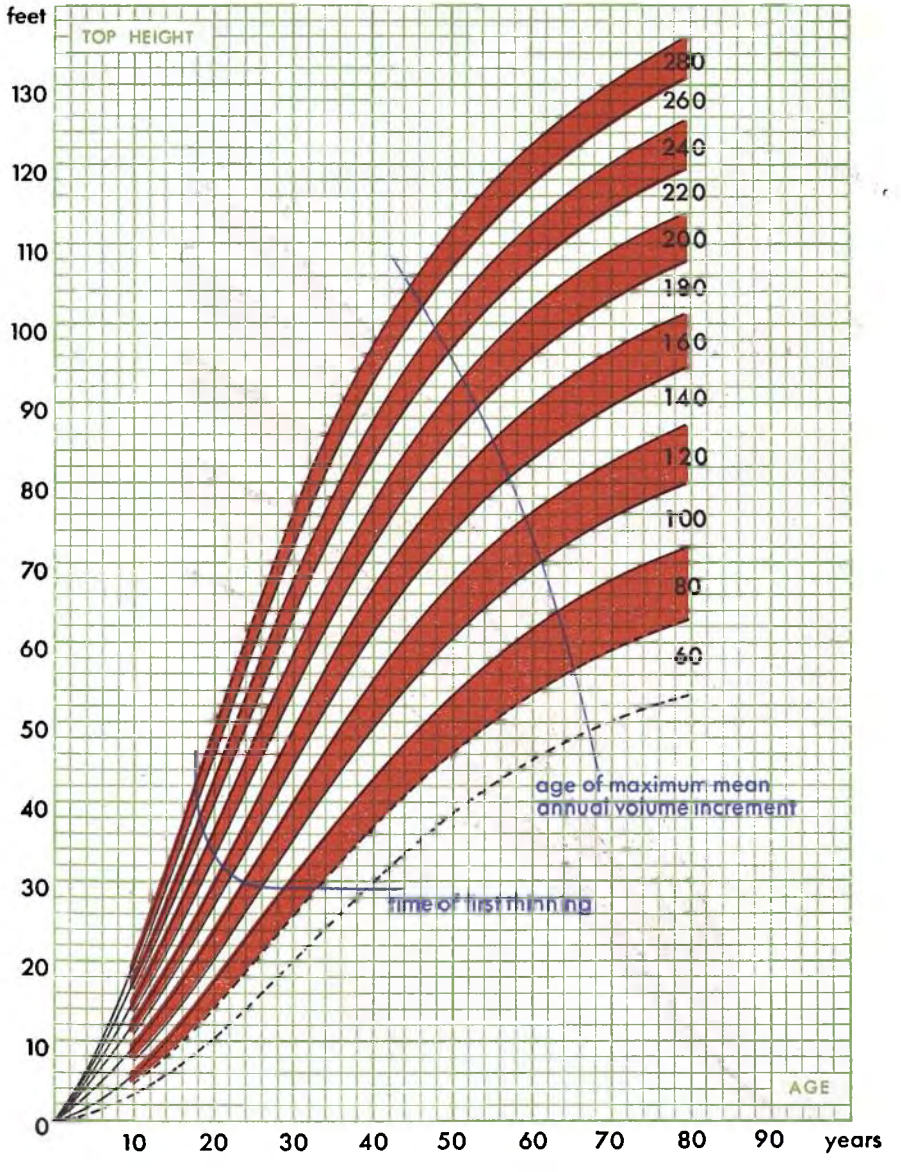
LODGEPOLE PINE

GENERAL YIELD CLASS CURVES



SITKA SPRUCE

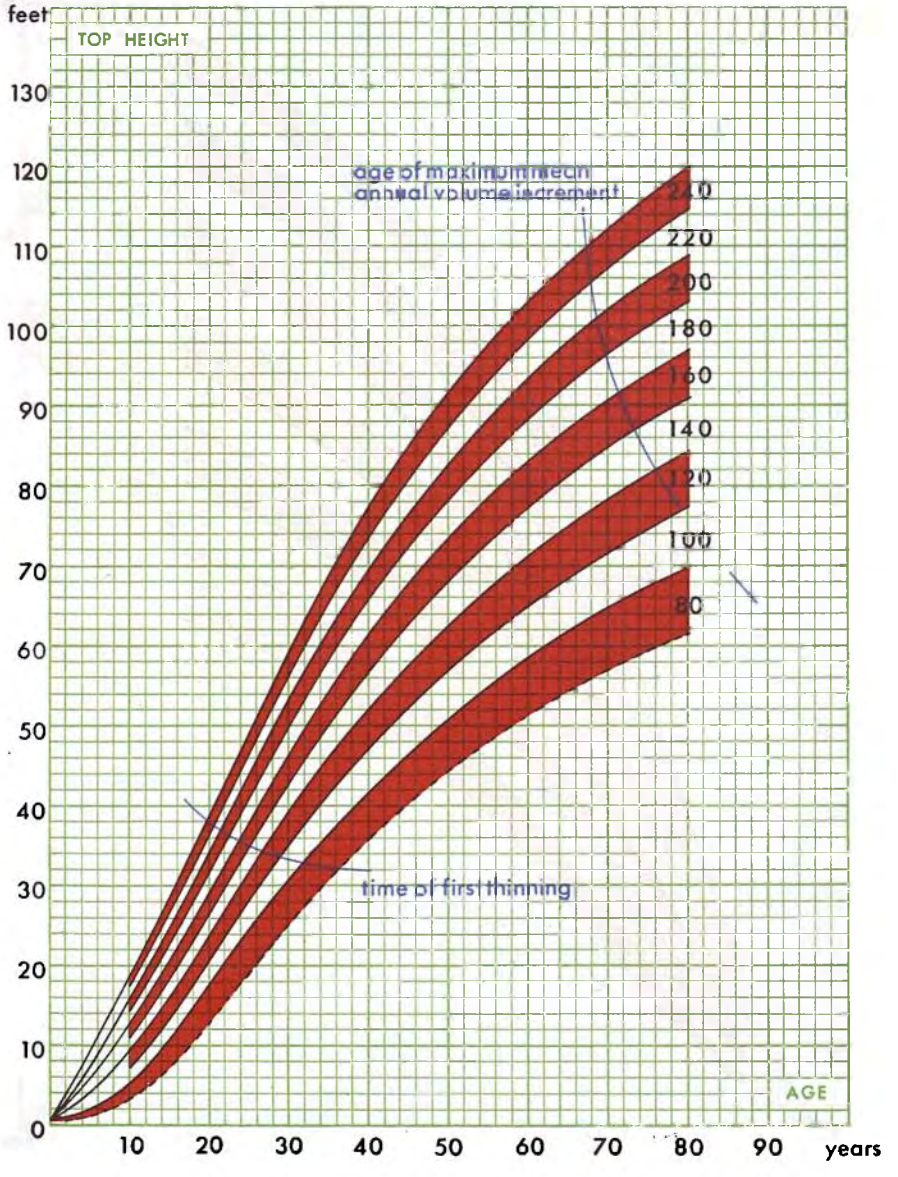
GENERAL YIELD CLASS CURVES



Graph 4 29

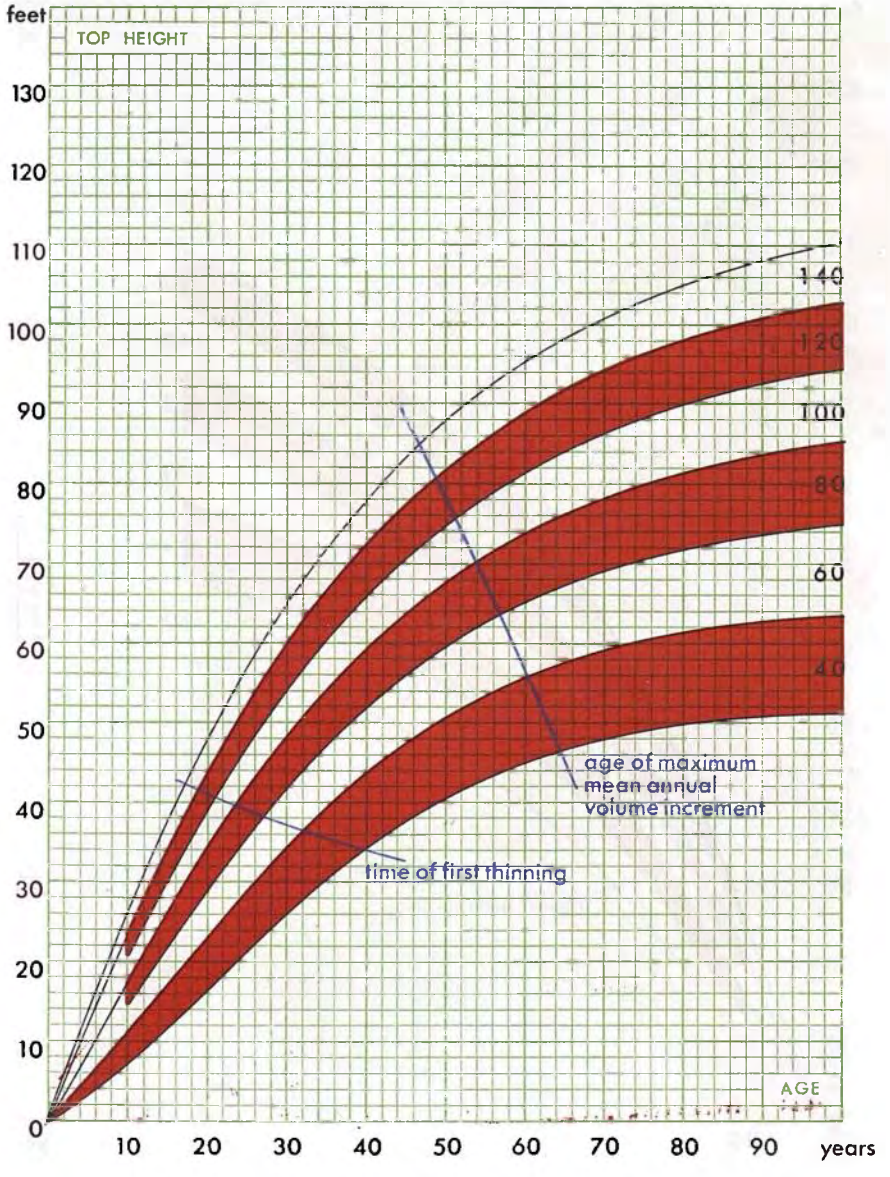
NORWAY SPRUCE

GENERAL YIELD CLASS CURVES



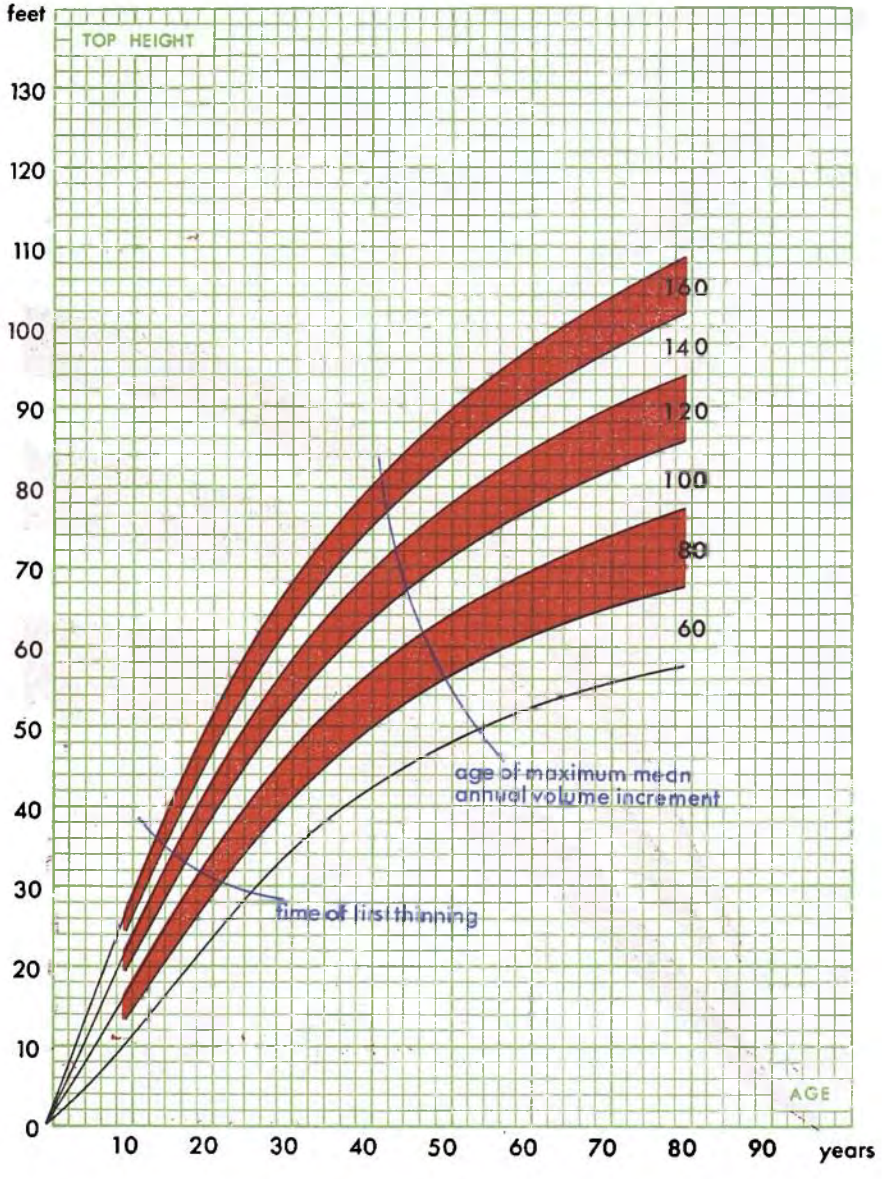
EUROPEAN LARCH

GENERAL YIELD CLASS CURVES



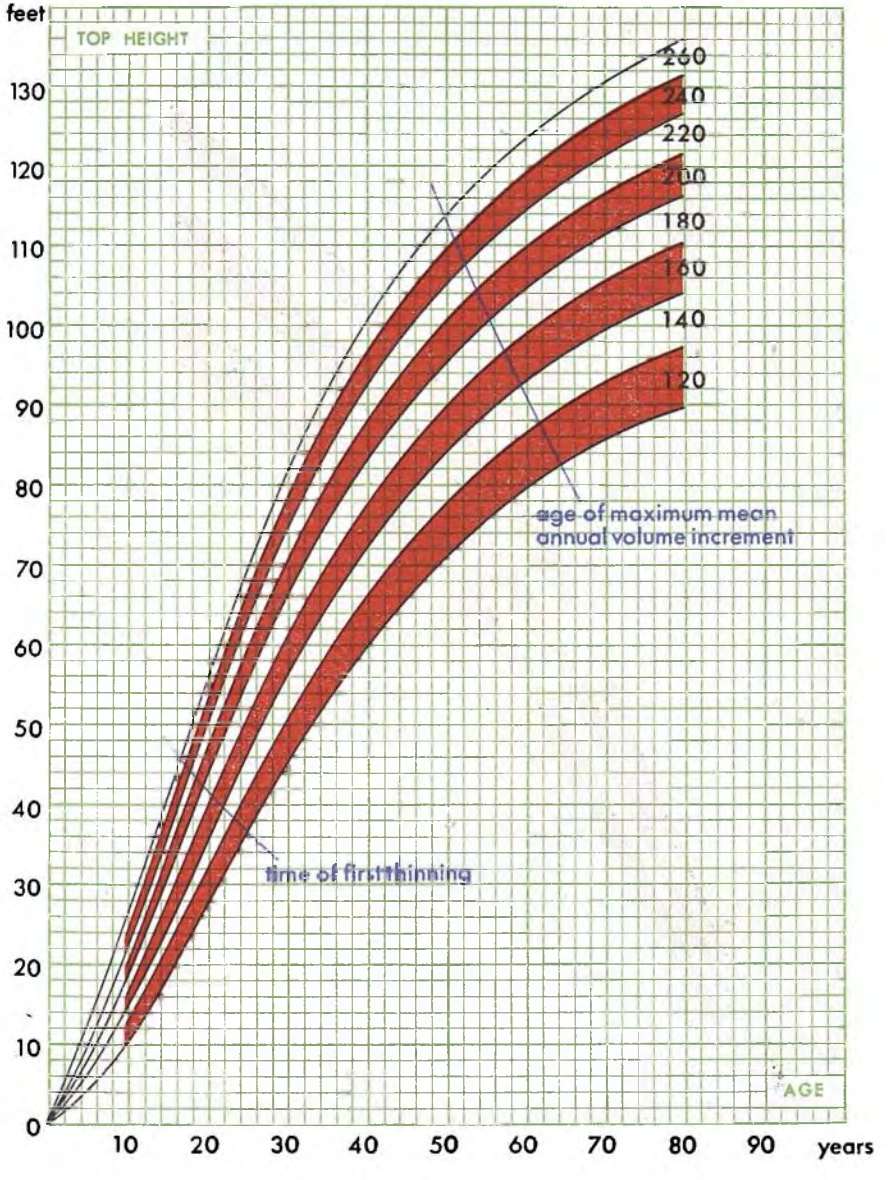
JAPANESE LARCH

GENERAL YIELD CLASS CURVES



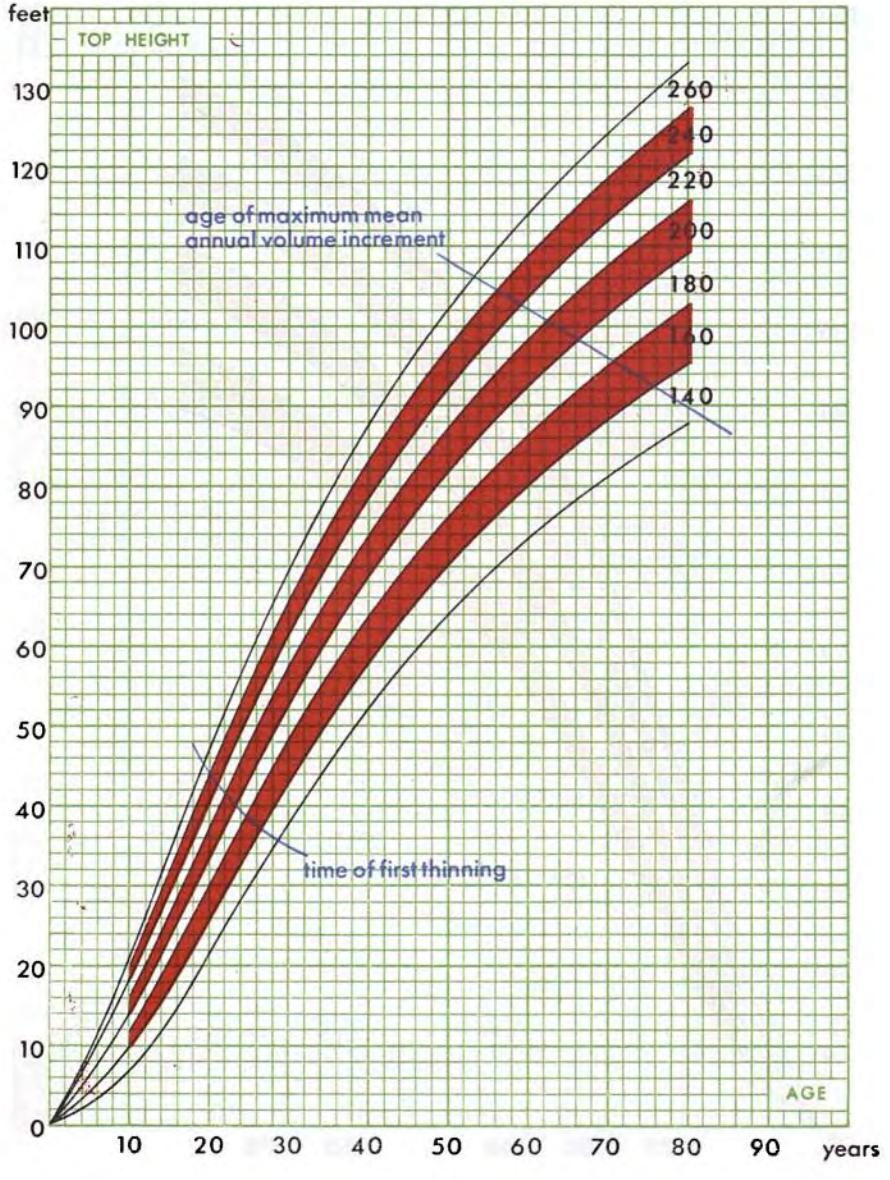
DOUGLAS FIR

GENERAL YIELD CLASS CURVES



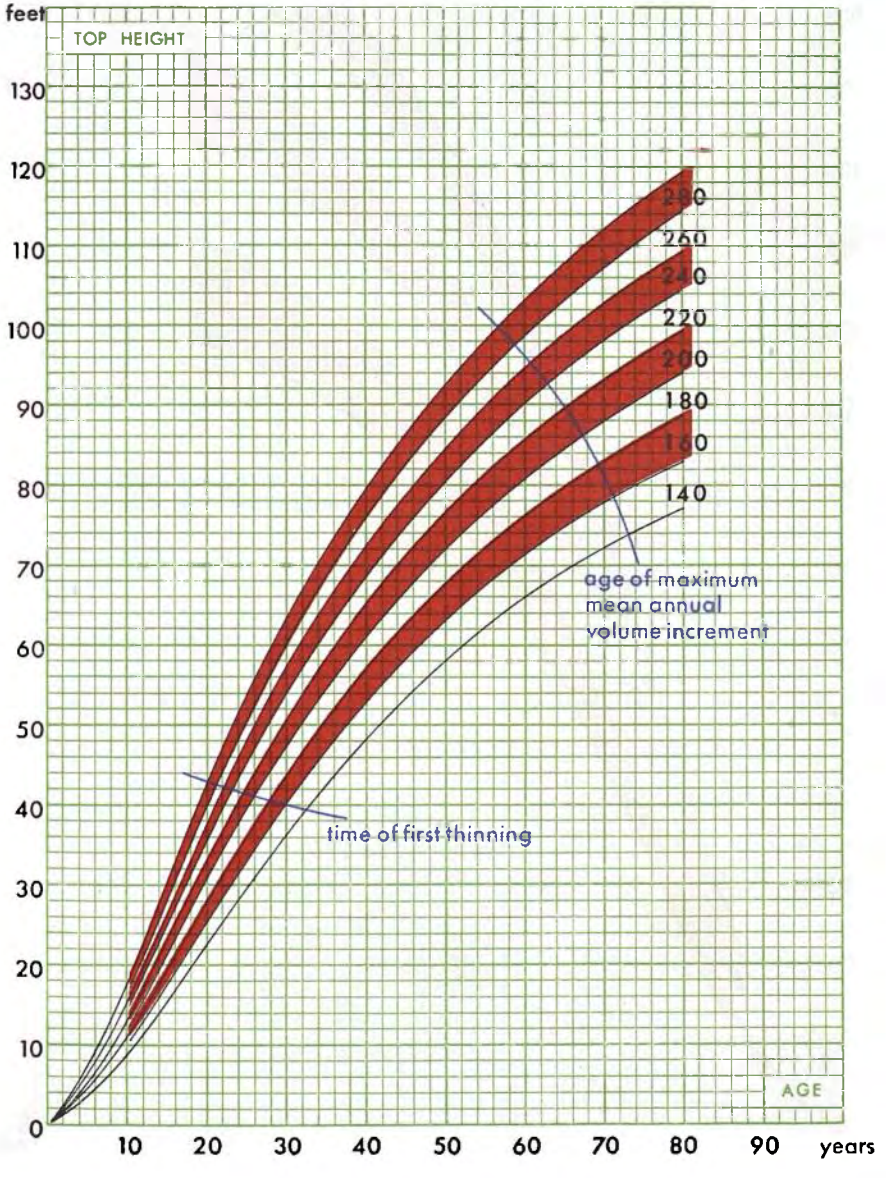
WESTERN HEMLOCK

GENERAL YIELD CLASS CURVES



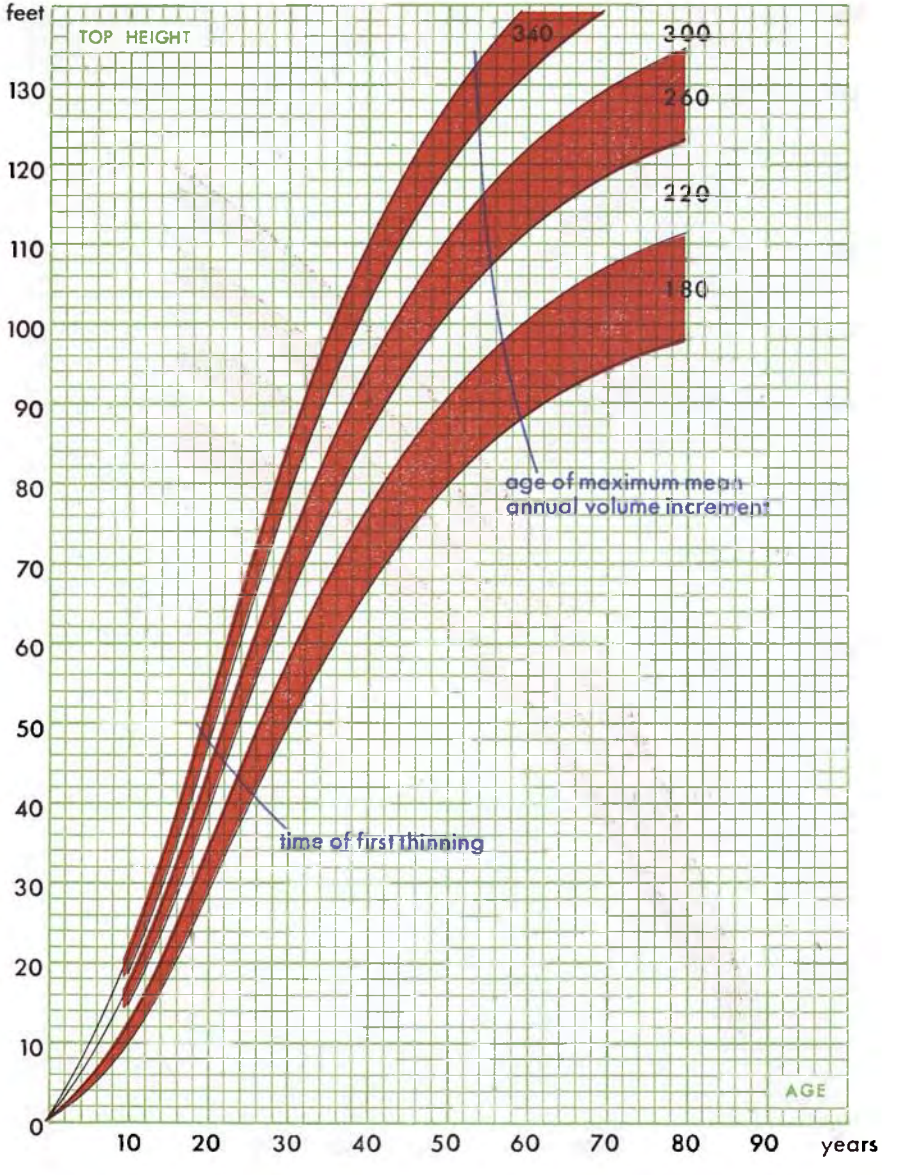
RED CEDAR

GENERAL YIELD CLASS CURVES



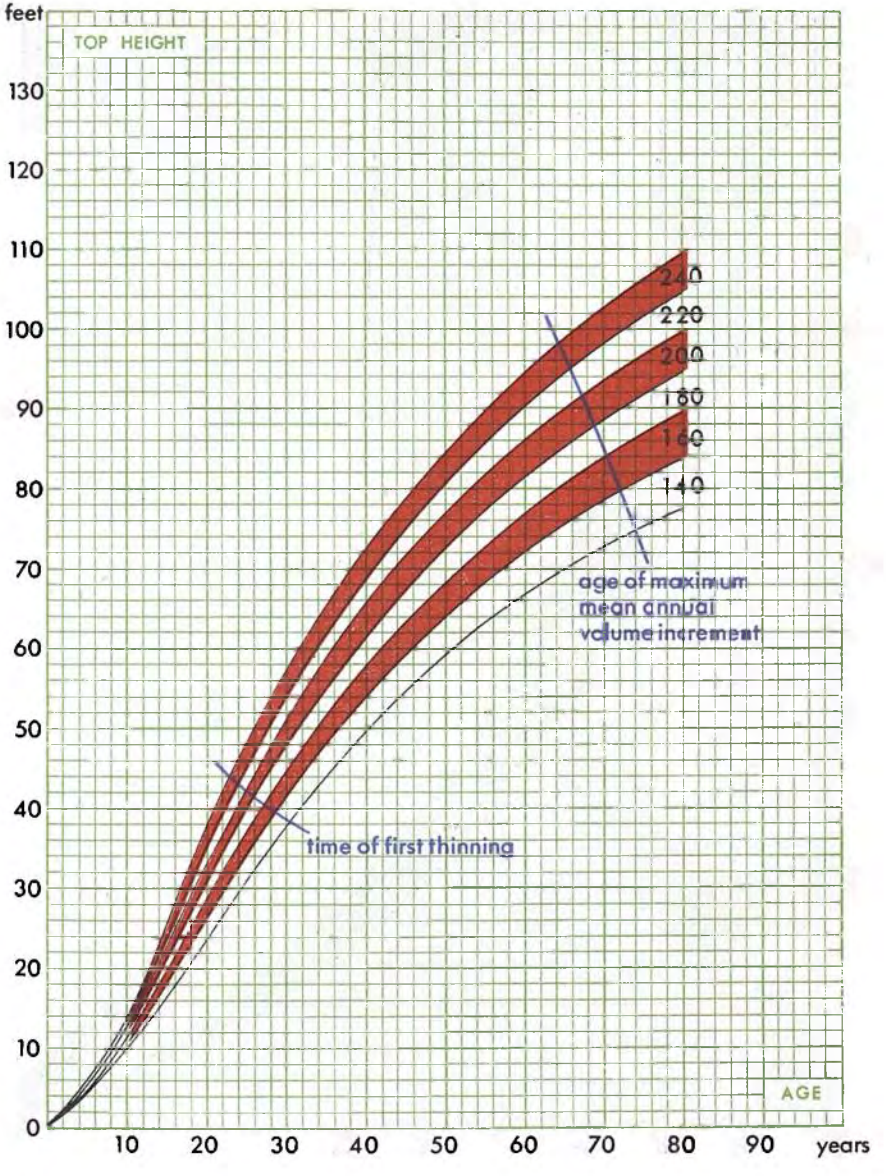
GRAND FIR

GENERAL YIELD CLASS CURVES

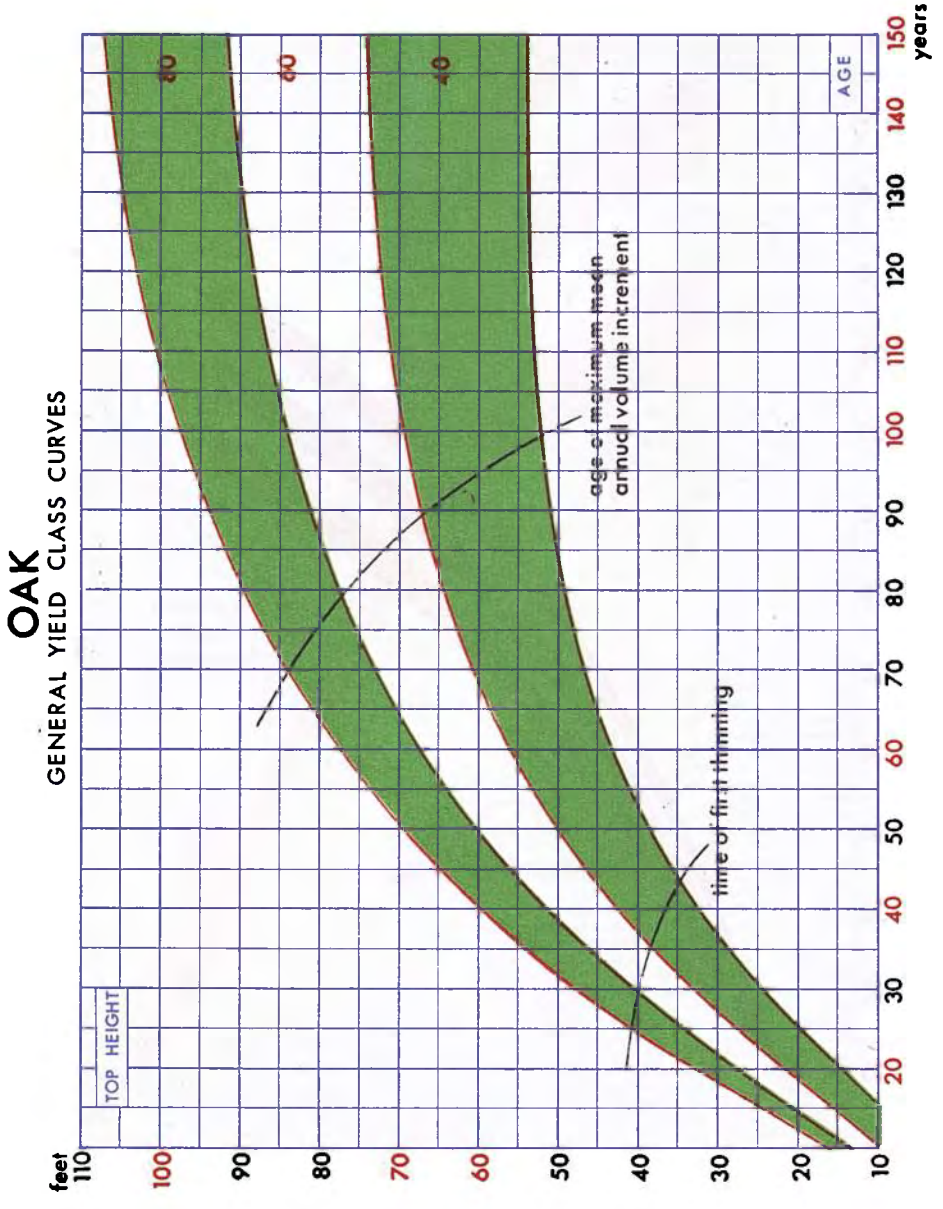


NOBLE FIR

GENERAL YIELD CLASS CURVES

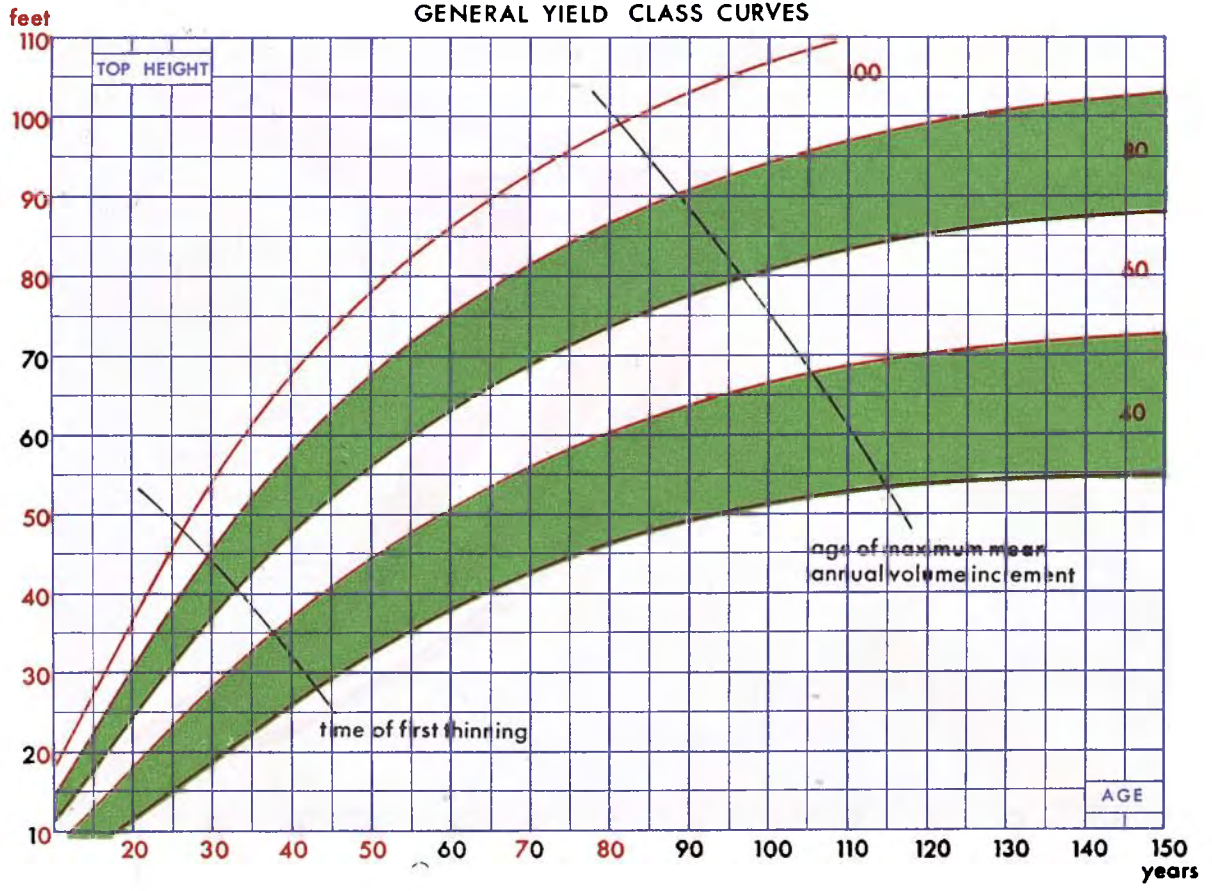


OAK


OAK
GENERAL YIELD CLASS CURVES
TOP HEIGHT
feet
110
100
90
80
70
60
50
40
30
20
10
80
60
40
age of maximum mean annual volume increment
time of first thinning
AGE
years
20
30
40
50
60
70
80
90
100
110
120
130
140
150

BEECH

GENERAL YIELD CLASS CURVES



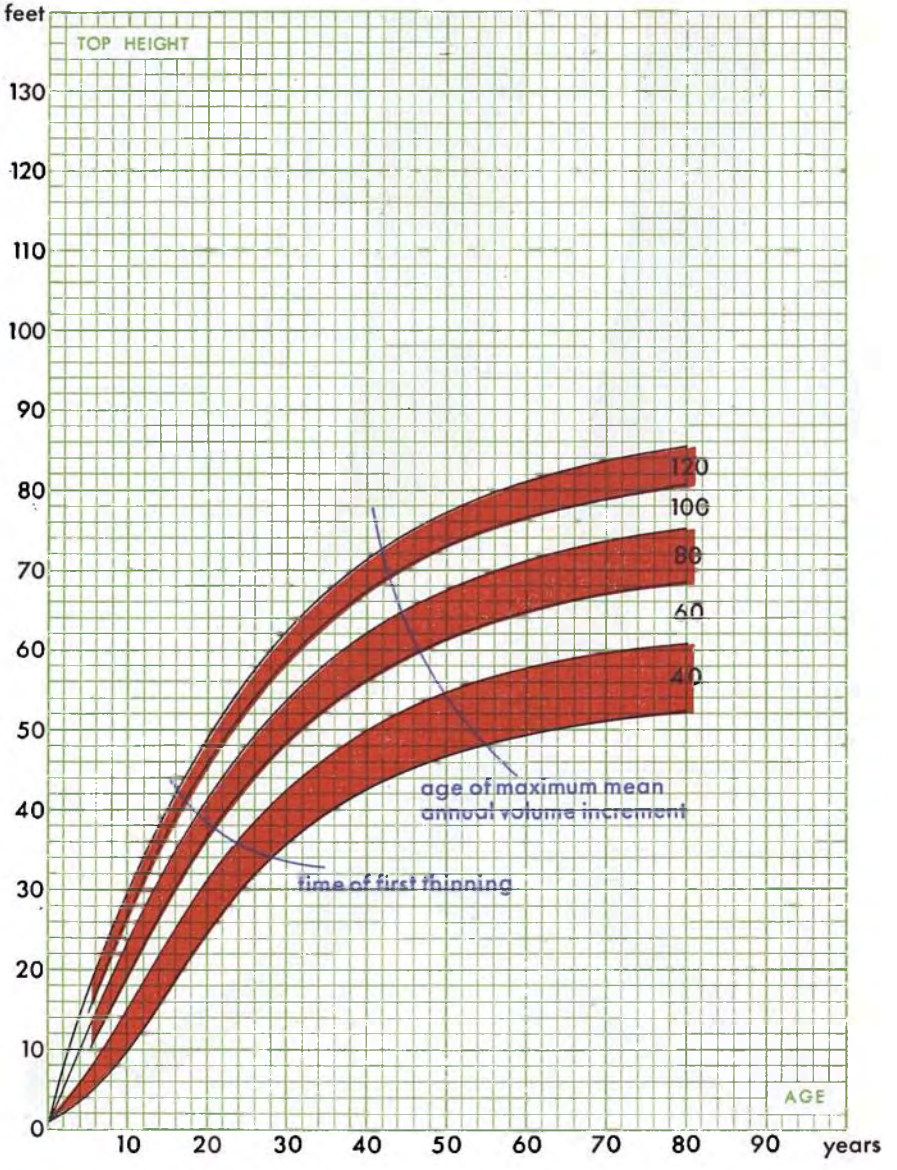
BE

Graph 14 39

SAB SAB

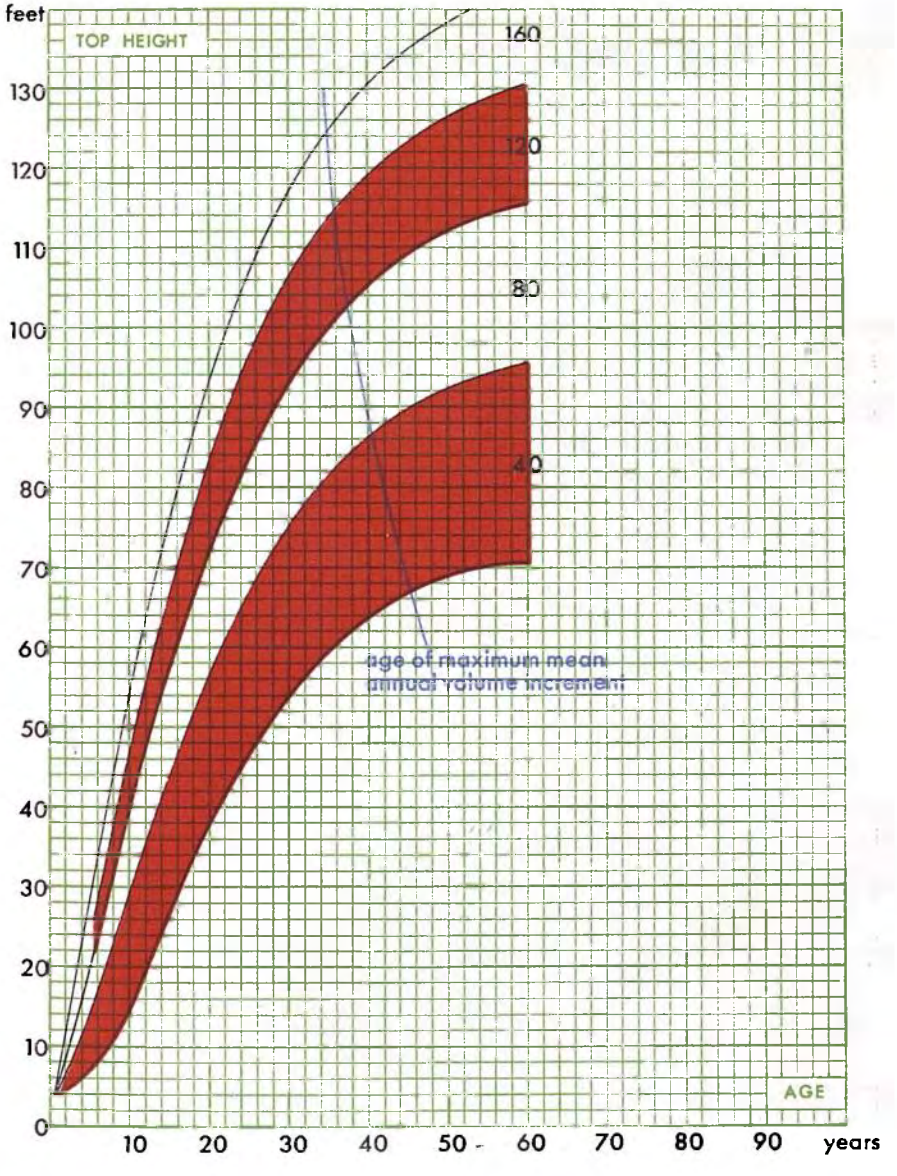
SYCAMORE, ASH AND BIRCH

GENERAL YIELD CLASS CURVES



POPLAR

GENERAL YIELD CLASS CURVES



Graph 16 41

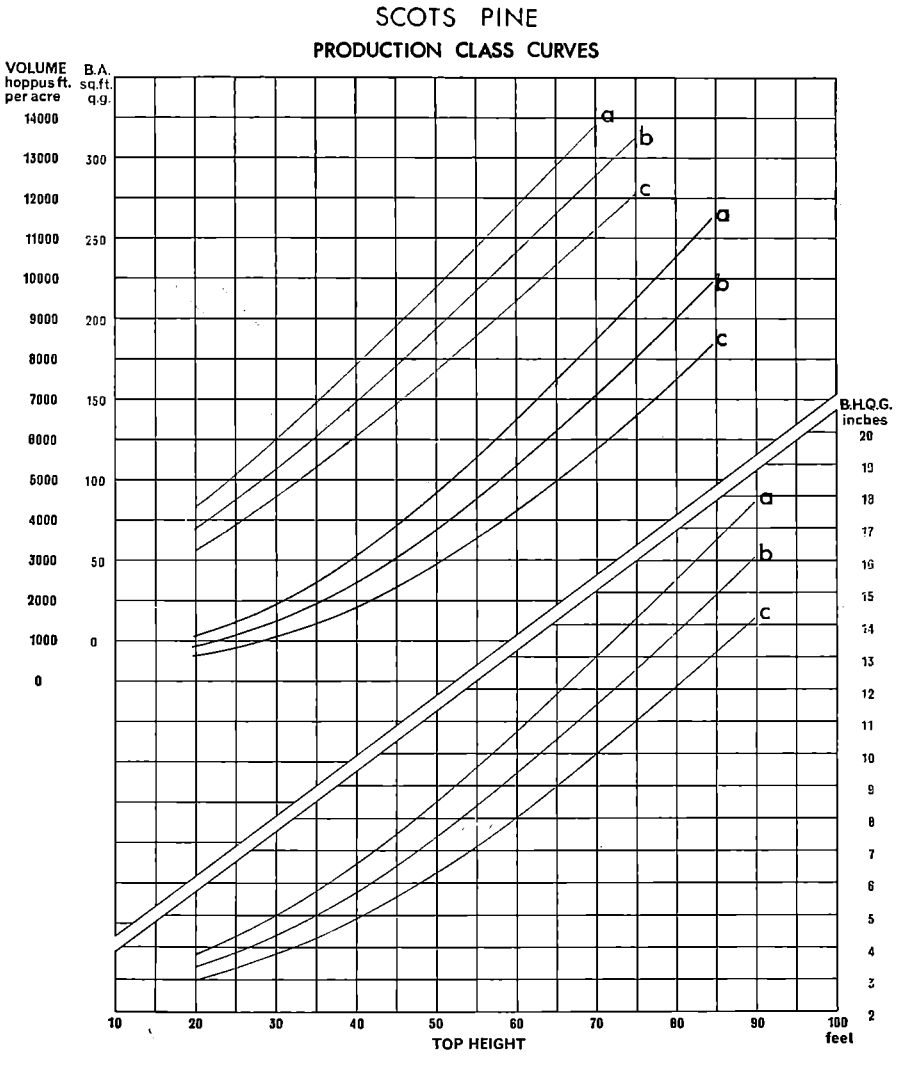
Production Class Curves

NOTE

1. The Production Class curves can be used for all Yield Classes within each species because top height is used in place of age.

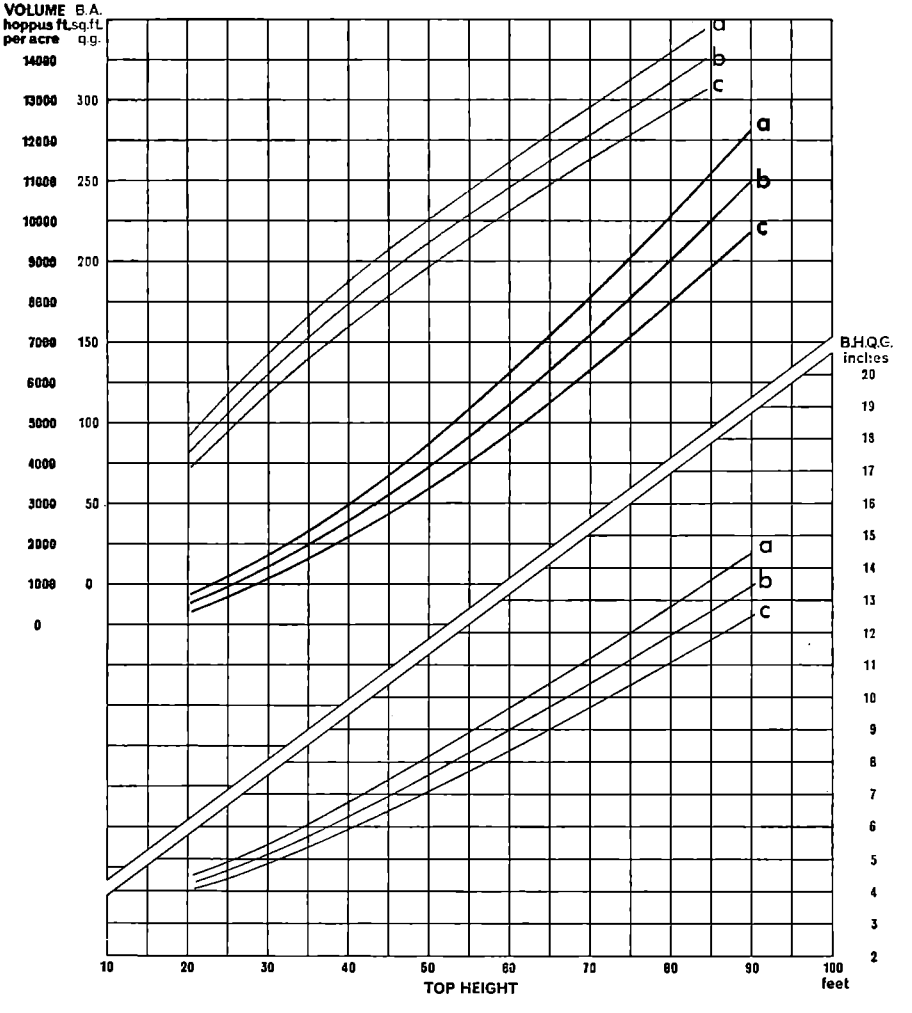
2. The curves represent the Class means and the appropriate scale can be determined by matching the colours;

red for total volume production
green for total basal area production and
blue for the average girth of the 40 trees of largest girth per acre (i.e. the top height trees).


SCOTS PINE
PRODUCTION CLASS CURVES
VOLUME hoppus ft. per acre
B.A. sq.ft. q.g.
14000
13000
12000
11000
10000
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
300
250
200
150
100
50
0
a
b
c
a
b
c
a
b
c
B.H.Q.G. inches
20
19
18
17
16
15
14
13
12
11
10
9
8
7
6
5
4
3
2
10
20
30
40
50
60
70
80
90
100
feet
TOP HEIGHT

CORSICAN PINE

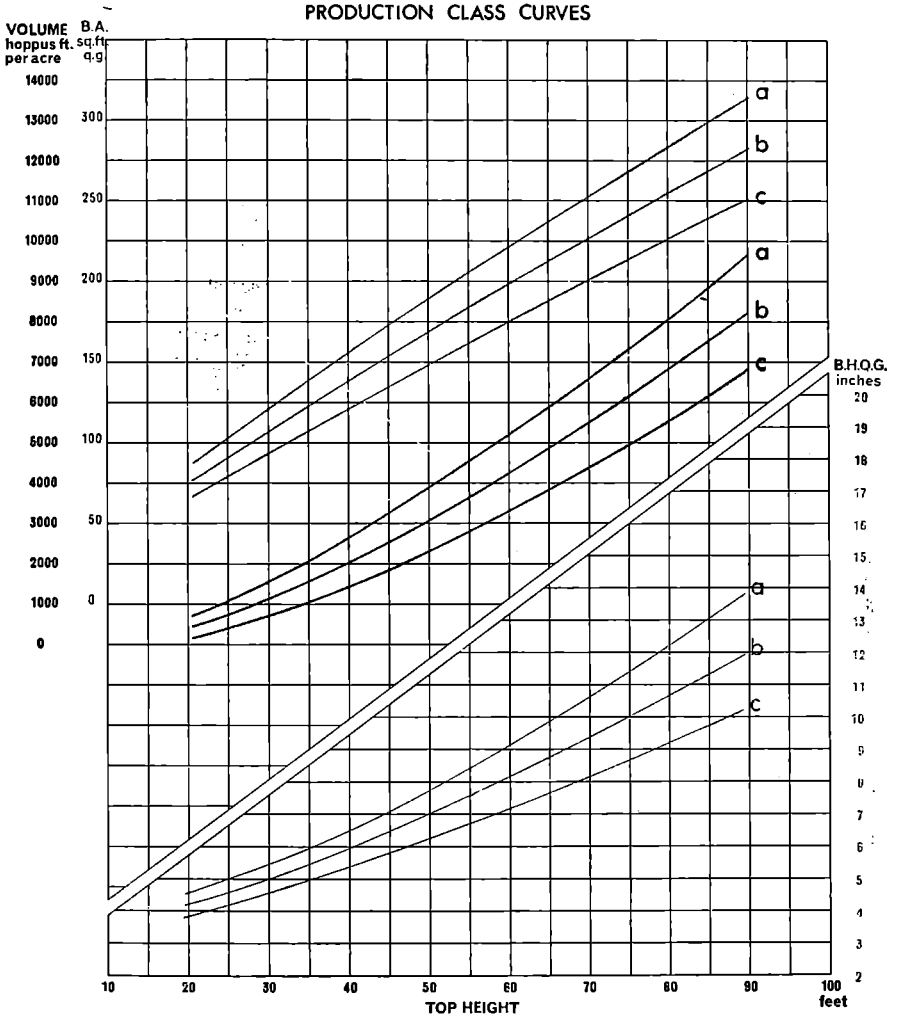
PRODUCTION CLASS CURVES



LP LP

LODGEPOLE PINE

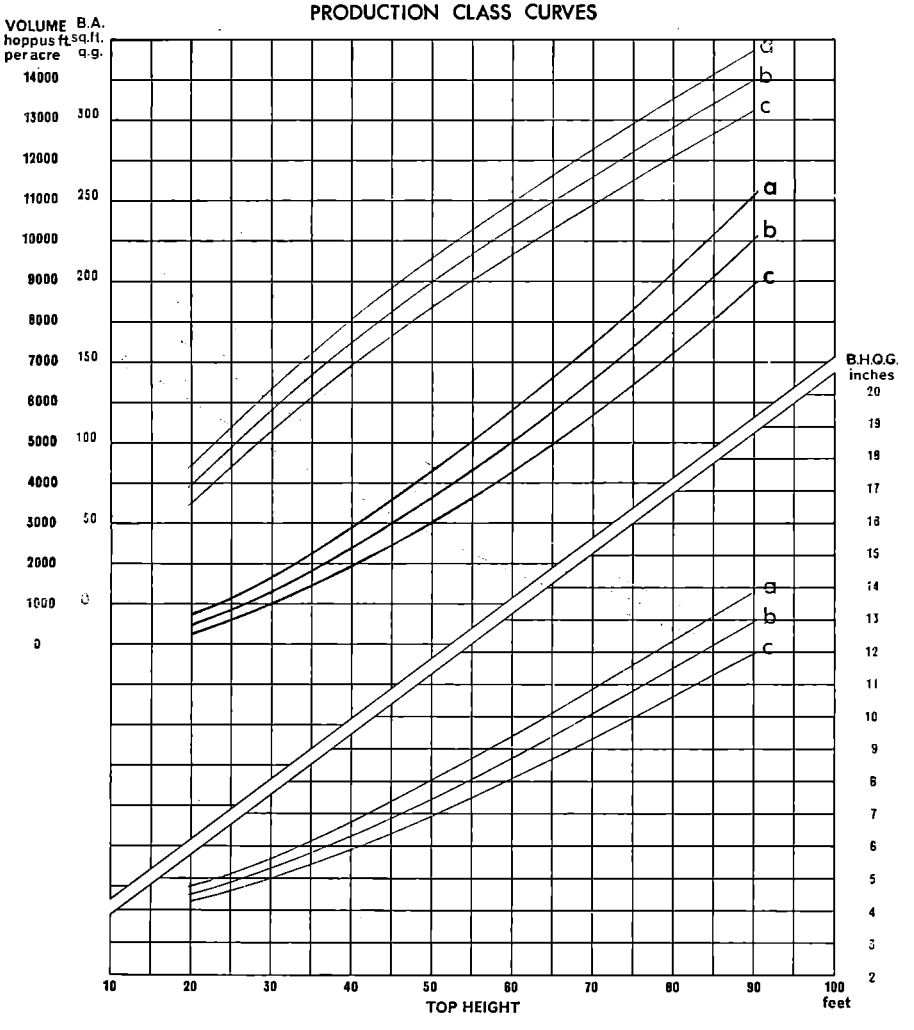
PRODUCTION CLASS CURVES



SS SS

SITKA SPRUCE

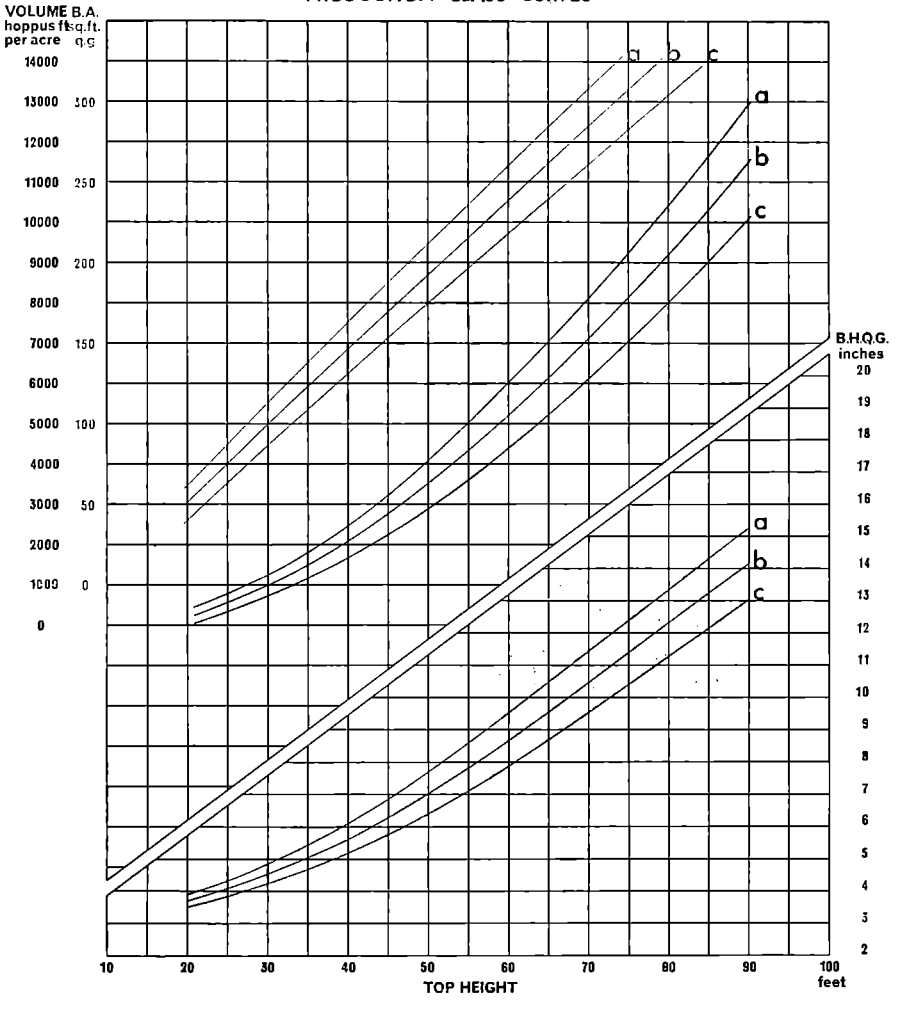
PRODUCTION CLASS CURVES



NS NS

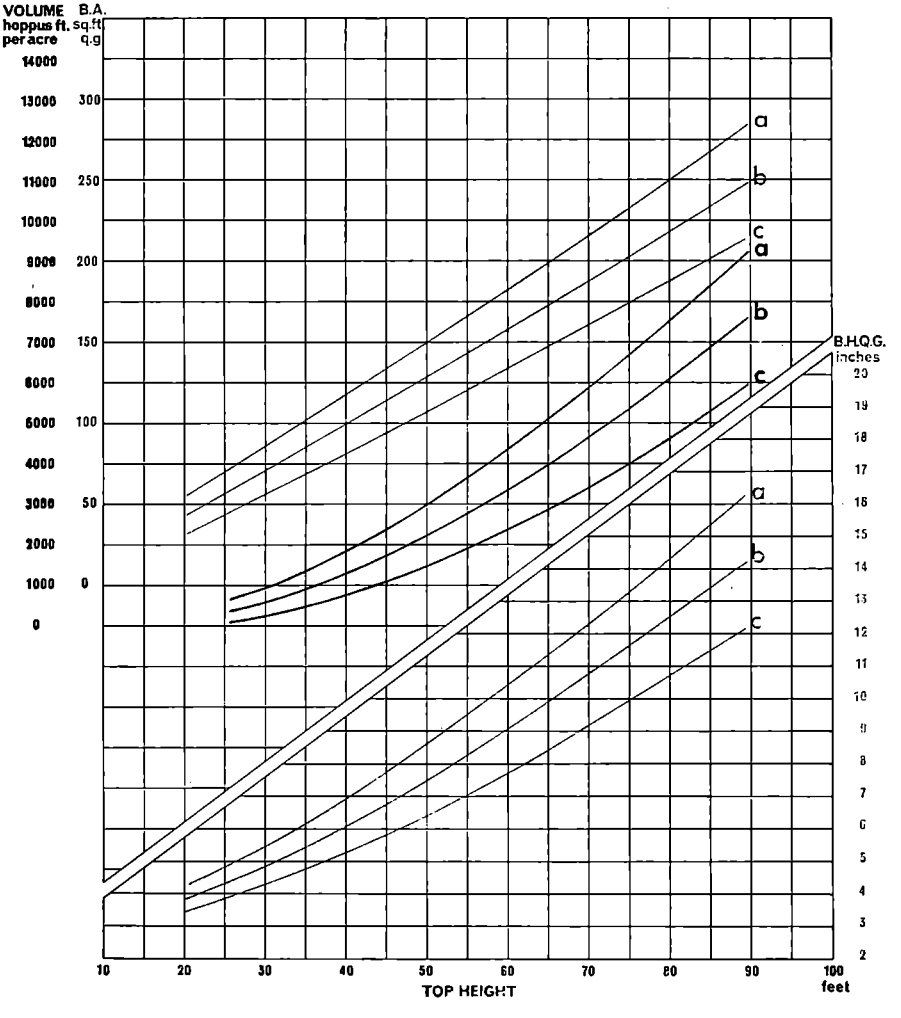
NORWAY SPRUCE

PRODUCTION CLASS CURVES



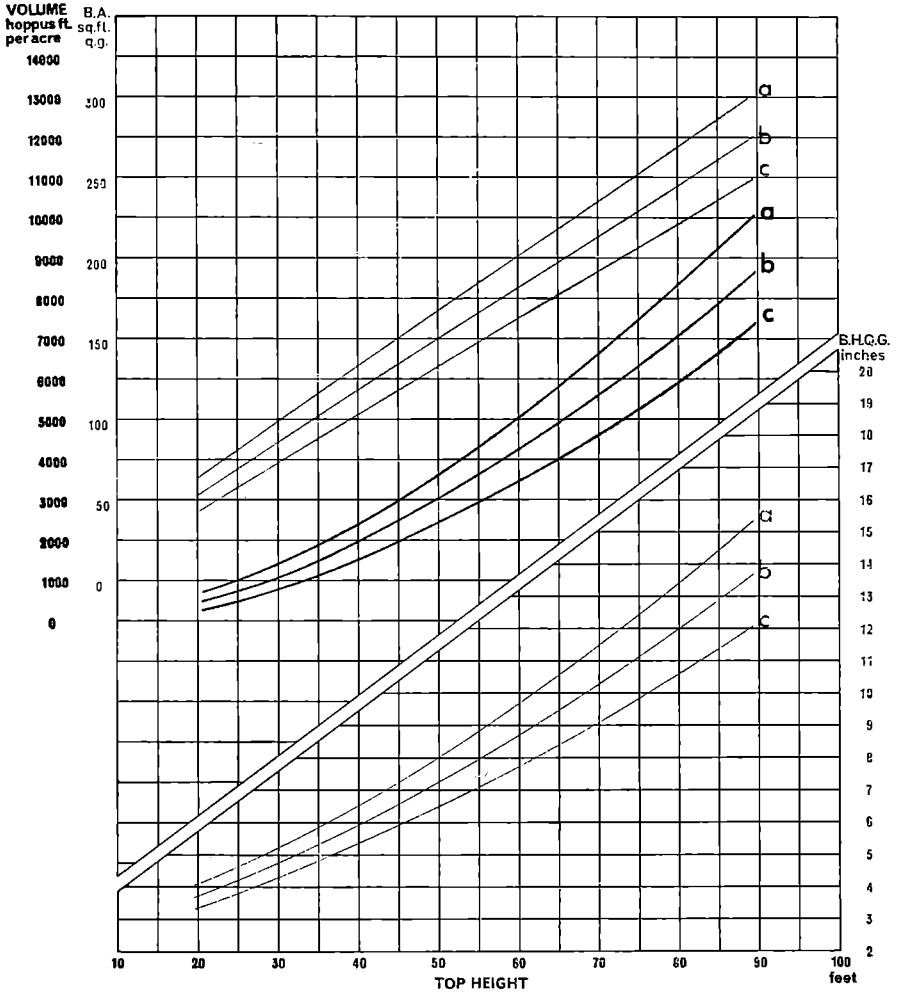
EUROPEAN LARCH

PRODUCTION CLASS CURVES



JAPANESE LARCH

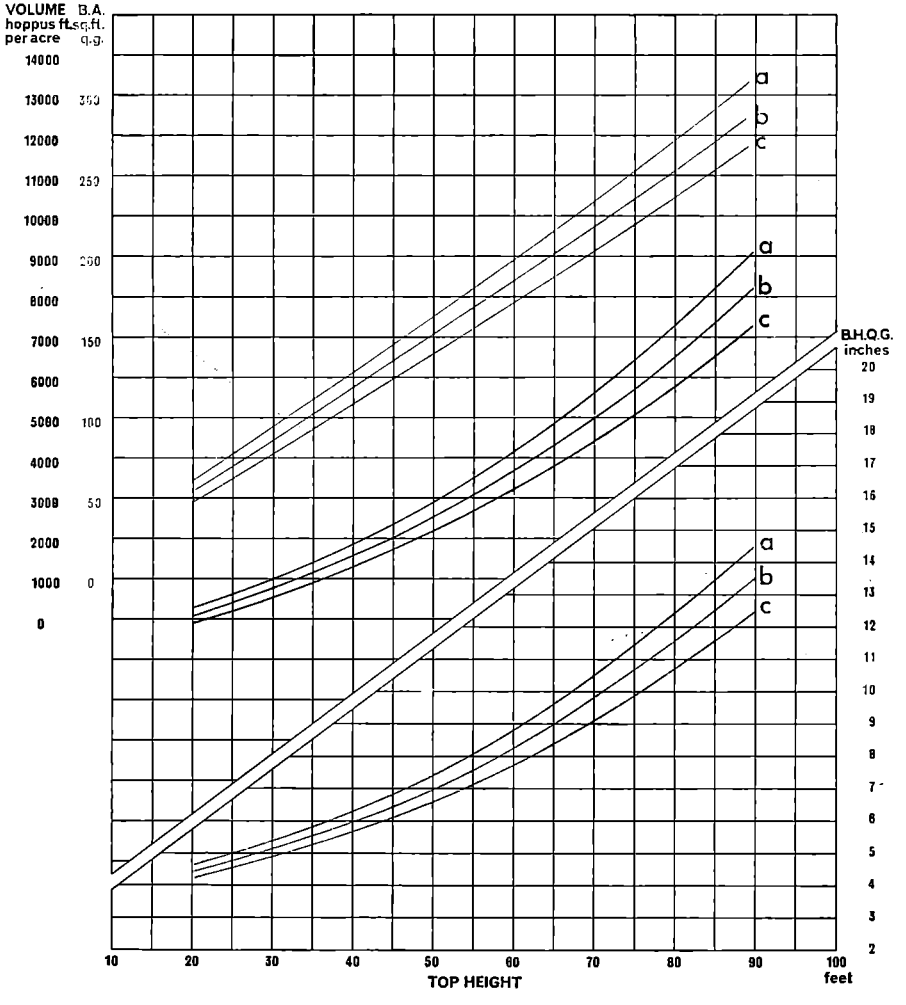
PRODUCTION CLASS CURVES



DF DF

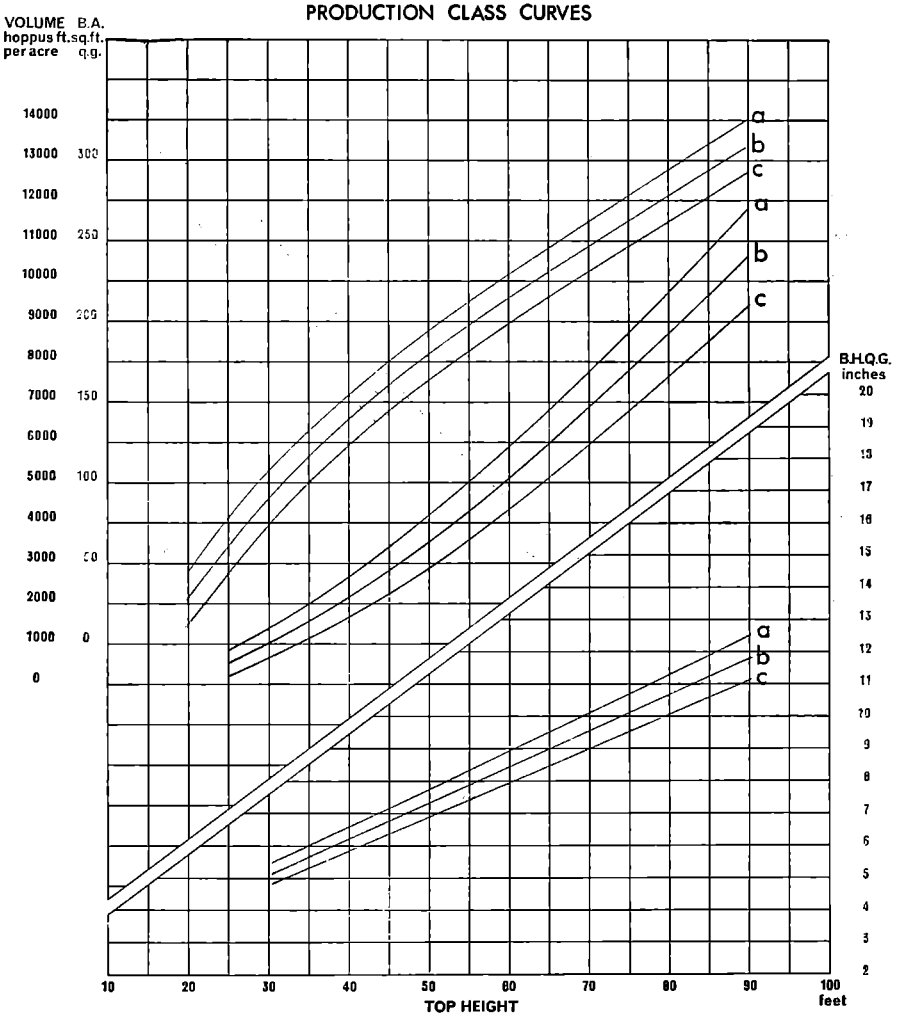
DOUGLAS FIR

PRODUCTION CLASS CURVES



WESTERN HEMLOCK

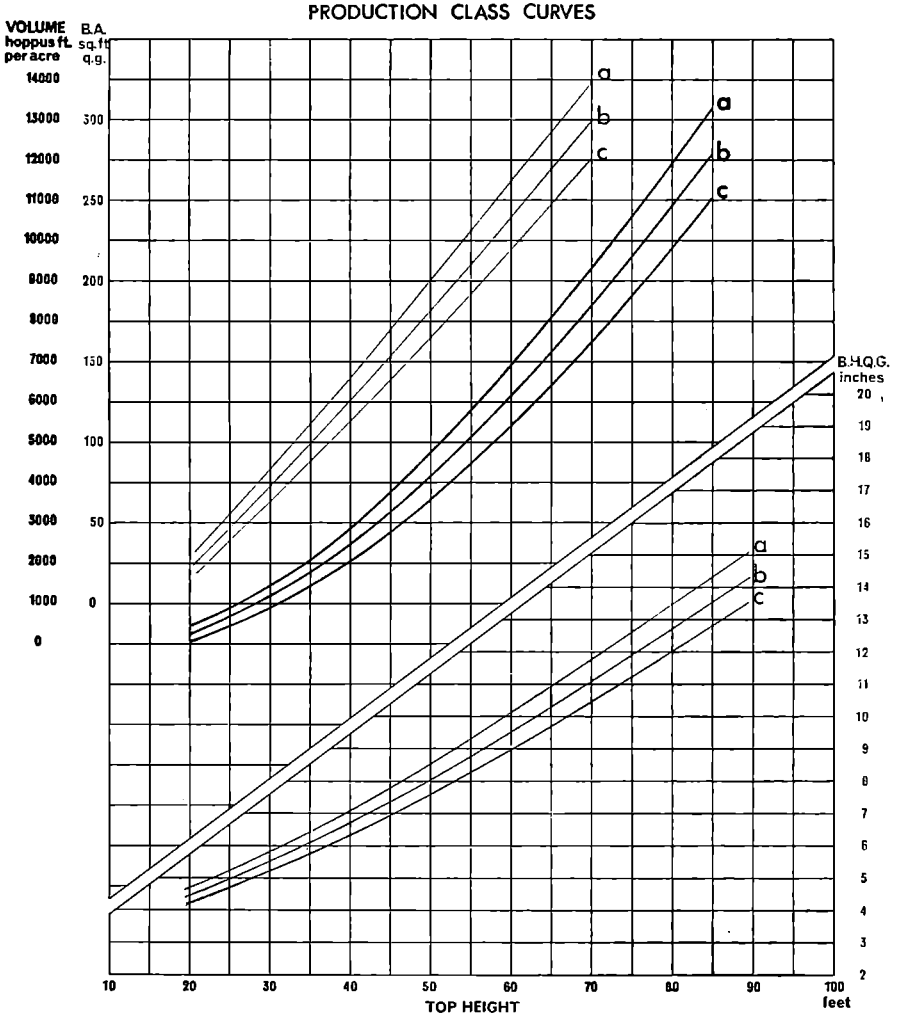
PRODUCTION CLASS CURVES



RC RC

RED CEDAR

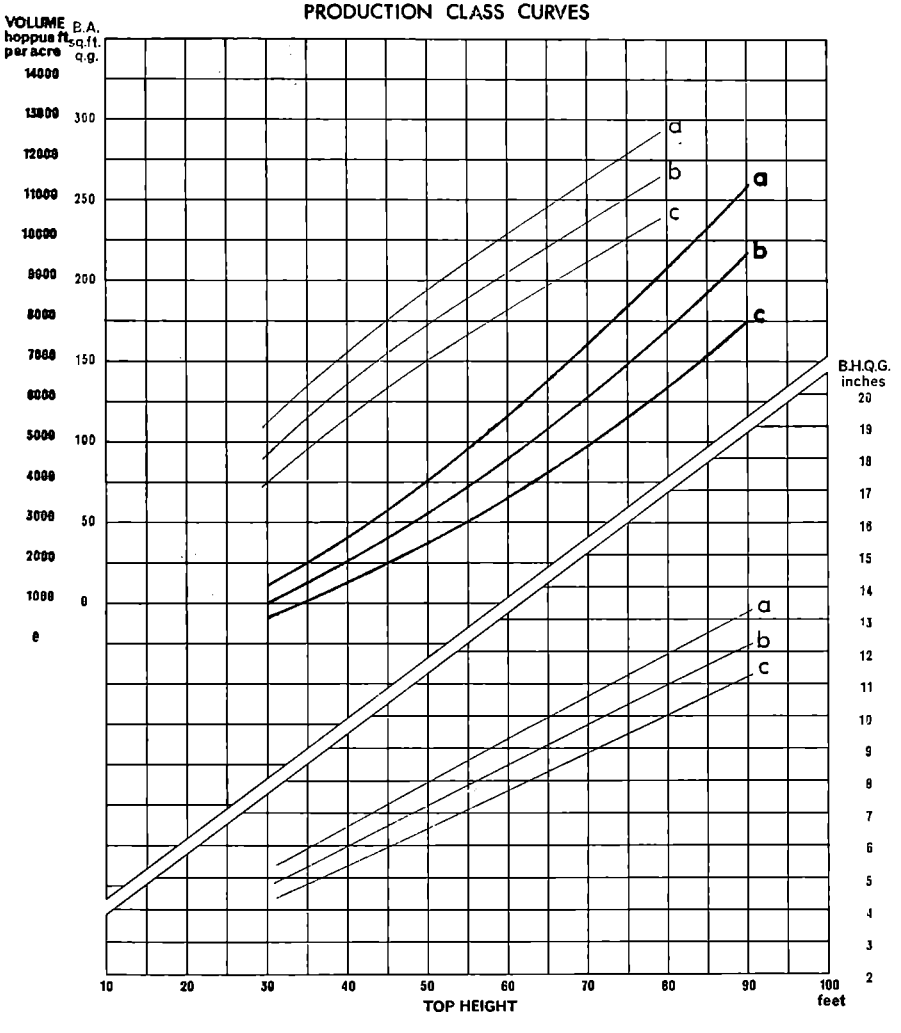
PRODUCTION CLASS CURVES



GF

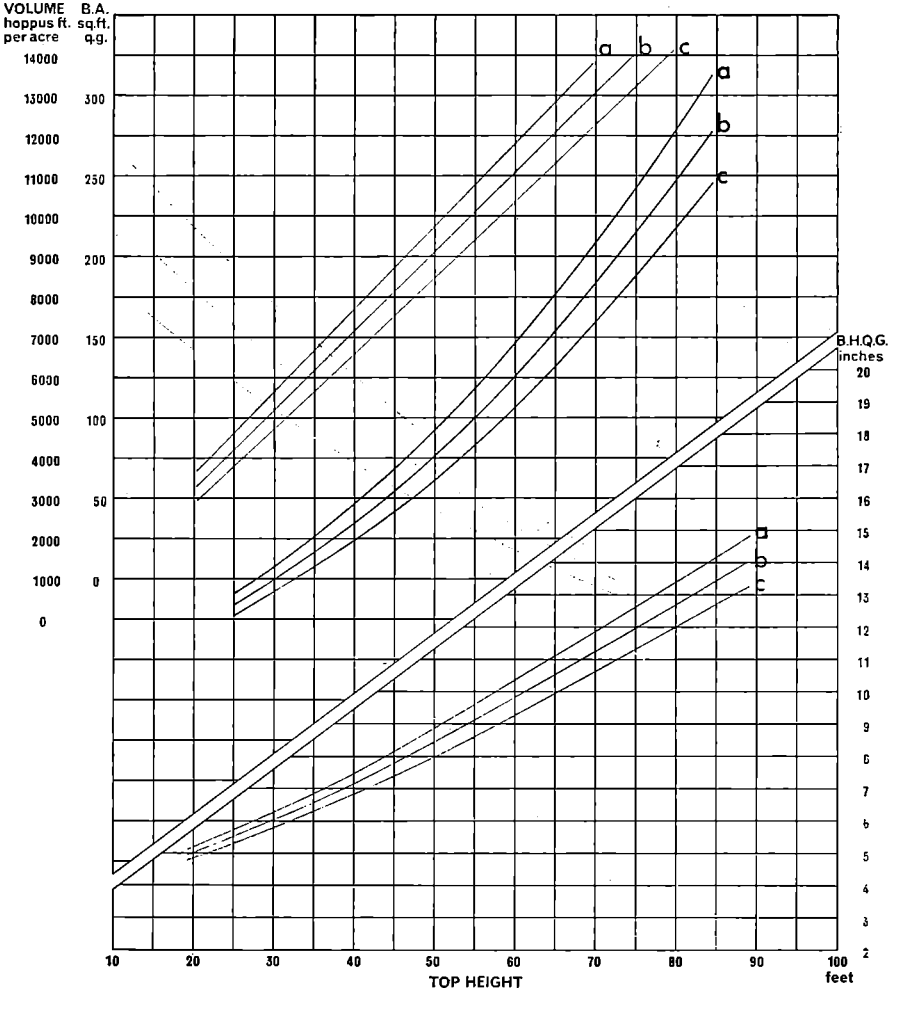
GRAND FIR

PRODUCTION CLASS CURVES



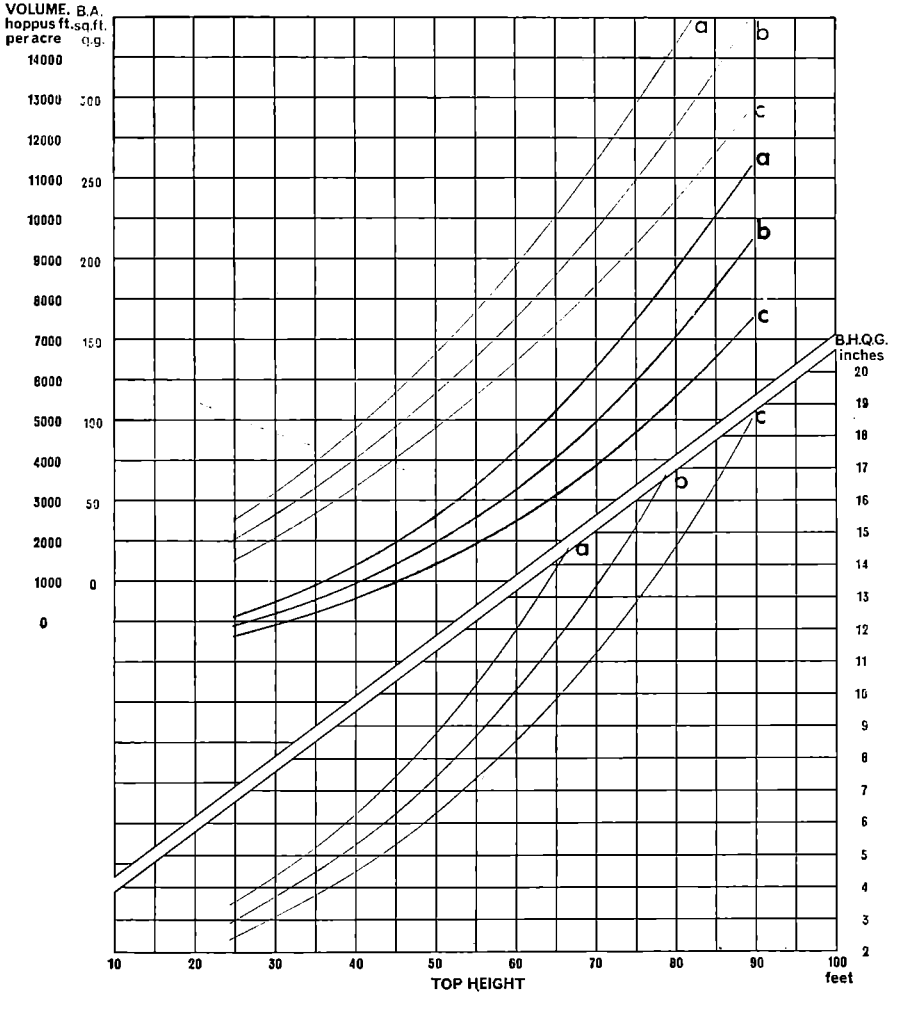
NOBLE FIR

PRODUCTION CLASS CURVES



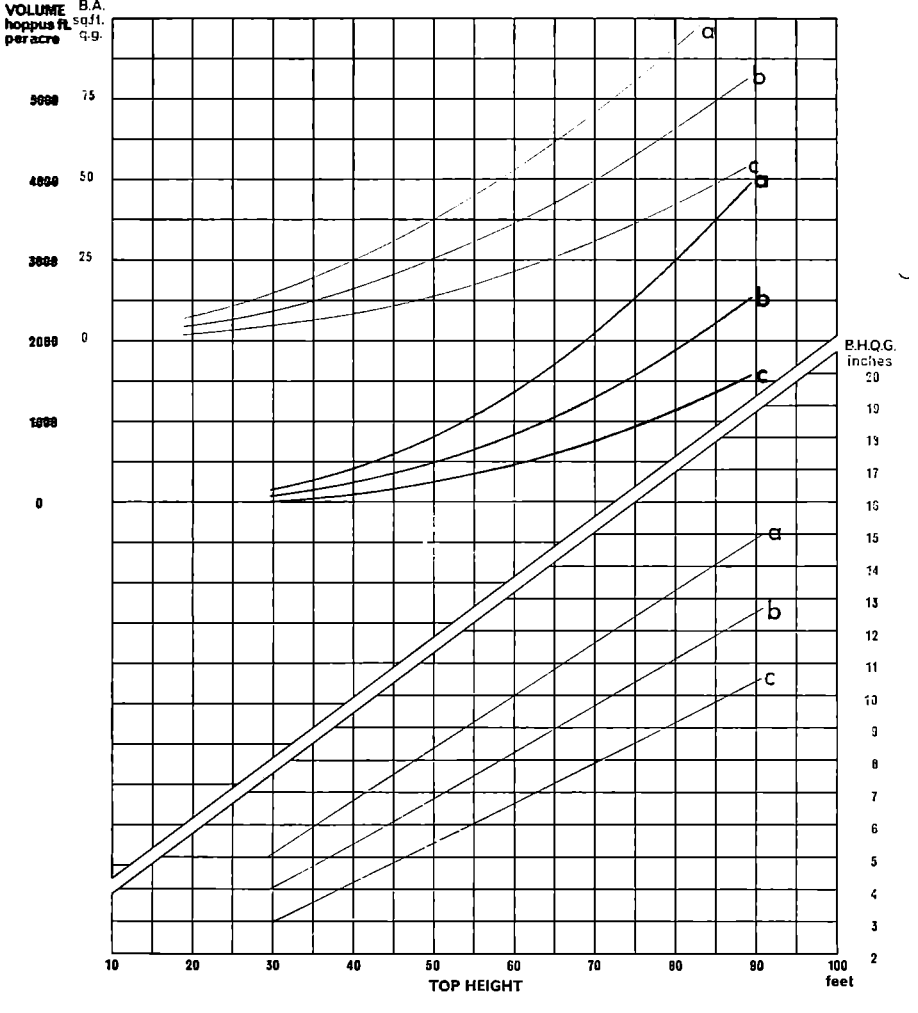
SYCAMORE, ASH AND BIRCH.

PRODUCTION CLASS CURVES



POPLAR

PRODUCTION CLASS CURVES



Thinning Control Tables

NOTE

1. The Tariff Numbers referred to in the following tables are described in Forest Record Number 31 (*Tariff Tables*, revised 1962). They relate to *thinnings* rather than to the main crop as in Forest Record 32 (*New ways of using the general tariff tables for conifers*, 1958), although the form of the relationship with top height used to obtain these average values is similar to that described in the latter publication.

2. The application of the Thinning Control Tables is to be described in greater detail in a separate publication which includes General Yield Class curves and abbreviated versions of the tables. (Booklet No. 17.)

3. The yields in the Thinning Control Tables relate to fully stocked areas *which are ready for thinning* and should not normally be applied to understocked stands.

Scots Pine

Age	Yield Class 160			Yield Class 140			Yield Class 120			Yield Class 100			Yield Class 80			Yield Class 60			Age
	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q. g.	Tariff Number	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q. g.	Tariff Number	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q. g.	Tariff Number	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q. g.	Tariff Number	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q. g.	Tariff Number	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q. g.	Tariff Number	
18	59	5.6																	18
19	82	7.3	19	52	5.4	18													19
20	99	8.2		72	6.8														20
21	112	8.7	20	86	7.7	19	45	4.8	18										21
22	112	8.1		98	8.1		61	6.0											22
23	112	7.6	21	98	7.6		74	7.0											23
24	112	7.3		98	7.3	20	84	7.3	19	37	4.1	18							24
25	112	7.0		98	7.0		84	7.0		51	5.1								25
26	112	6.7	22	98	6.7	21	84	6.7		62	6.1								26
27	112	6.4		98	6.4		84	6.4	20	70	6.4	19	30	3.6					27
28	112	6.2	23	98	6.1		84	6.1		70	6.1		41	4.7	18				28
29	112	6.0		98	5.9	22	84	5.8		70	5.8		49	5.3					29
30	112	5.8		98	5.7		84	5.6	21	70	5.6		56	5.6					30
31	112	5.6	24	98	5.5		84	5.4		70	5.4	20	56	5.3					31
32	112	5.4		98	5.3	23	84	5.2		70	5.2		56	5.1	19	22	2.9	17	32
33	112	5.2	25	98	5.1		84	5.0	22	70	5.0		56	4.9		31	3.8		33
34	112	5.1		98	5.0	24	84	4.9		70	4.8	21	56	4.7		37	4.2		34
35	112	4.9		98	4.8		84	4,7		70	4.6		56	4.5		42	4.5	18	35
36	112	4.8	26	98	4.7		84	4.6	23	70	4.5		56	4.4	20	42	4.3		36
37	112	4.7		98	4.6	25	84	4.5		70	4.3		56	4.3		42	4.2		37
38	112	4.6	27	98	4.4		84	4.3		70	4.2	22	56	4.1		42	4.0		38
39	112	4.5		98	4.3		84	4.1	24	70	4.1		56	4.0		42	3.9	19	39
40	112	4.4	28	98	4.2	26	84	4.0		70	3.9		56	3.8	21	42	3.7		40
41	112	4.3		98	4.1		84	3.9		70	3.8	23	56	3.7		42	3.5		41
42	112	4.2	29	98	4.1	27	84	3.9	25	70	3.7		56	3.6		42	3.4		42
43	112	4.1		98	4.0		84	3.8		70	3.6		56	3.5		42	3.3		43
44	112	4.1		98	3.9		84	3.7		70	3.6		56	3.4	22	42	3.2	20	44
45	112	4.0	30	98	3.8	28	84	3.6	26	70	3.5	24	56	3.3		42	3.2		45
46	112	3.9		98	3.7		84	3.6		70	3.4		56	3.2		42	3.1		46
47	112	3.8		98	3.6	29	84	3.5		70	3.3		56	3.2		42	3.0		47
48	112	3.8	31	98	3.6		84	3.4	27	70	3.2	25	56	3.1	23	42	2.9		48
49	112	3.7		98	3.5		84	3.4		70	3.2		56	3.0		42	2.8	21	49
50	112	3.6	32	98	3.5	30	84	3.3		70	3.1		56	3.0		42	2.8		50
51	112	3.5		98	3.4		84	3.3	28	70	3.1		56	2.9		42	2.7		51
52	112	3.5		98	3.4		84	3.2		70	3.0	26	56	2.8		42	2.6		52
53			33	98	3.3	31	84	3.2		70	3.0		56	2.8	24	42	2.6		53
54				98	3.3		84	3.1	29	70	2.9		56	2.7		42	2.5	22	54
55	107	3.2		98	3.2		84	3.1		70	2.9	27	56	2.7		42	2.5		55
56			34	98	3.2	32	84	3.0		70	2.9		56	2.7		42	2.5		56
57							84	3.0		70	2.8		56	2.6	25	42	2.4		57
58							84	2.9	30	70	2.8		56	2.6		42	2.4		58
59			35			33	84	2.9		70	2.7		56	2.5		42	2.3	23	59
60	99	2.8		92	2.8		84	2.8		70	2.7	28	56	2.5		42	2.3		60
61			36						31	70	2.7		56	2.5		42	2.3		61
62										70	2.6		56	2.4	26	42	2.2		62
63						34				70	2.6	29	56	2.4		42	2.2		63
64										70	2.5		56	2.3		42	2.1		64
65	90	2.4	37	84	2.4		77	2.4	32	70	2.5		56	2.3		42	2.1	24	65
66						35							56	2.3	27	42	2.1		66
67													56	2.3		42	2.1		67
68			38									30	56	2.2		42	2.0		68
69									33				56	2.2		42	2.0		69
70	80	2.1		76	2.1	36	70	2.1		64	2.1		56	2.2		42	2.0		70
71			39										56	2.2		42	2.0	25	71
72															28	42	2.0		72
73									34			31				42	1.9		73
74						37										42	1.9		74
75	72	1.8	40	68	1.8		62	1.8		57	1.8		51	1.9		42	1.9		75
76																42	1.9		76
77																42	1.9		77
78						38			35			32			29	42	1.9	26	78
79			41																79
80	66	1.6		60	1.6		55	1.6		50	1.6		45	1.6		40	1.7		80
85				53	1.4	39	48	1.4	36	48	1.3	33	38	1.3	30	34	1.4	27	85
90							44	1.2	37	36	1.1	34	32	1.1	31	28	1.1	28	90

Lodgepole Pine

Age	Yield Class 140			Yield Class 120			Yield Class 100			Yield Class 80			Yield Class 60			Age
	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	
17	52	5.8	18													17
18	72	7.3														18
19	86	8.1	19	45	4.9	18										19
20	98	8.3		61	6.3											20
21	98	7.6	20	74	7.1	19										21
22	98	7.1		84	7.4		37	2.8	18							22
23	98	6.6	21	84	6.8		51	5.0								23
24	98	6.2		84	6.3	20	62	5.7	19							24
25	98	5.9	22	84	5.9		70	5.9								25
26	98	5.6		84	5.6	21	70	5.6		30	2.9					26
27	98	5.3	23	84	5.3		70	5.3	20	41	3.9					27
28	98	5.1		84	5.0	22	70	5.0		49	4.4	19				28
29	98	4.9	24	84	4.8		70	4.8		56	4.7					29
30	98	4.7		84	4.6	23	70	4.6	21	56	4.5					30
31	98	4.5	25	84	4.4		70	4.4		56	4.3	20	22	2.3	18	31
32	98	4.3		84	4.2	24	70	4.2		56	4.1		31	3.1		32
33	98	4.2	26	84	4.1		70	4.1	22	56	4.0		37	3.5		33
34	98	4.1		84	4.0		70	3.9		56	3.8	21	42	3.8	19	34
35	98	4.0	27	84	3.9	25	70	3.8	23	56	3.7		42	3.6		35
36	98	3.9		84	3.8		70	3.7		56	3.6		42	3.5		36
37	98	3.8	28	84	3.7		70	3.6		56	3.5		42	3.4		37
38	98	3.7		84	3.6	26	70	3.5	24	56	3.3	22	42	3.2	20	38
39	98	3.6	29	84	3.5		70	3.4		56	3.2		42	3.1		39
40	98	3.5		84	3.4	27	70	3.3	25	56	3.1		42	3.0		40
41	98	3.4	30	84	3.3		70	3.2		56	3.0		42	2.9		41
42	98	3.4		84	3.2	28	70	3.1		56	3.0	23	42	2.9		42
43	98	3.3	31	84	3.1		70	3.0	26	56	2.9		42	2.8	21	43
44	98	3.2		84	3.0	29	70	2.9		56	2.8		42	2.7		44
45	98	3.2	32	84	3.0		70	2.9		56	2.8	24	42	2.7		45
46	98	3.1		84	3.0		70	2.9	27	56	2.7		42	2.6		46
47	98	3.1	33	84	2.9	30	70	2.8		56	2.7		42	2.6		47
48	98	3.0		84	2.9		70	2.8		56	2.6		42	2.5	22	48
49	98	3.0	34	84	2.9		70	2.8	28	56	2.6	25	42	2.4		49
50	98	2.9		84	2.8	31	70	2.7		56	2.5		42	2.4		50
51				84	2.8		70	2.7		56	2.5		42	2.4		51
52			35	84	2.7	32	70	2.6	29	56	2.4		42	2.3		52
53							70	2.6		56	2.4	26	42	2.3	23	53
54			36				70	2.5		56	2.4		42	2.3		54
55	87	2.4		78	2.4	33	70	2.4		56	2.3		42	2.2		55
56			37						30	56	2.3		42	2.2		56
57										56	2.3	27	42	2.2		57
58						34				56	2.2		42	2.1	24	58
59			38										42	2.0		59
60	79	2.1		70	2.1	35	62	2.1	31	52	2.0		42	2.0		60
61			39									28	42	2.0		61
62																62
63						36			32						25	63
64			40													64
65	74	1.9		66	1.8		57	1.8		47	1.7	29	36	1.7		65
66			41			37			33							66
67																67
68			42													68
69						38			34						26	69
70	71	1.7		63	1.6		54	1.6		44	1.5	30	34	1.5		70
71			43													71
72						39										72
73									35							73
74			44													74
75	69	1.5		62	1.5	40	53	1.5		43	1.4		32	1.3		75
76												31			27	76
77									36							77
78																78
79																79
80							52	1.4		42	1.3		31	1.2		80

Corsican Pine

Age	Yield Class 220			Yield Class 200			Yield Class 180			Yield Class 160			Age
	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	
15	82	7.7	17										15
16	112	9.6	18	74	6.8	17							16
17	136	10.9	19	102	8.7	18	67	6.2	17				17
18	154	11.3		123	9.7	19	92	7.9	18	59	5.6	17	18
19	154	10.6	20	140	10.3	20	111	8.9	19	82	7.4		19
20	154	9.8	21	140	9.7	21	126	9.6	20	99	8.2	18	20
21	154	9.2	22	140	9.1	22	126	9.0	21	112	8.8	19	21
22	154	8.7	23	140	8.6	23	126	8.5	22	112	8.2		22
23	154	8.2		140	8.1		126	8.0		112	7.8	20	23
24	154	7.8	24	140	7.7	24	126	7.6	23	112	7.4	21	24
25	154	7.5	25	140	7.3	25	126	7.2	24	112	7.1		25
26	154	7.2	26	140	7.0	26	126	6.9		112	6.8	22	26
27	154	6.9	27	140	6.7		126	6.6	25	112	6.5	23	27
28	154	6.6	28	140	6.4		126	6.3	26	112	6.2		28
29	154	6.3		140	6.2	27	126	6.1		112	6.0	24	29
30	154	6.1	29	140	6.0	28	126	5.9	27	112	5.8		30
31	154	5.9	30	140	5.8		126	5.7	28	112	5.6	25	31
32	154	5.7	31	140	5.6	29	126	5.5		112	5.4	26	32
33	154	5.5		140	5.4	30	126	5.3	29	112	5.2		33
34	154	5.3	32	140	5.2		126	5.1		112	5.0	27	34
35	154	5.2	33	140	5.1	31	126	5.0	30	112	4.8		35
36	154	5.0		140	4.9	32	126	4.8	31	112	4.6	28	36
37	154	4.9	34	140	4.8		126	4.7		112	4.5		37
38	154	4.8	35	140	4.6	33	126	4.5	32	112	4.4	29	38
39	154	4.6		140	4.5	34	126	4.4		112	4.3		39
40	154	4.5	36	140	4.4		126	4.3	33	112	4.2	30	40
41			37	140	4.3	35	126	4.2	34	112	4.1		41
42				140	4.2		126	4.1		112	4.0	31	42
43			38			36	126	4.0	35	112	3.9		43
44							126	3.9		112	3.8	32	44
45	142	3.8	39	134	3.8	37	123	3.8	36	112	3.8		45
46			40			38				112	3.7	33	46
47									37				47
48			41			39						34	48
49									38				49
50	125	3.0	42	118	3.1	40	110	3.1		103	3.2	35	50
51									39				51
52			43			41						36	52
53									40				53
54			44			42							54
55	107	2.4		101	2.4		94	2.5		87	2.5	37	55
56			45						41				56
57						43						38	57
58			46						42				58
59						44							59
60	92	1.9	47	86	1.9		80	2.0		74	2.0	39	60
61									43				61
62						45							62
63												40	63
64									44				64
65				76	1.6	46	70	1.6		65	1.7		65
66													66
67									45			41	67
68													68
69													69
70							65	1.4		60	1.5	42	70

Corsican Pine

Age	Yield Class 140			Yield Class 120			Yield Class 100			Yield Class 80			Age
	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	
19	52	5.1											19
20	72	6.7	17										20
21	86	7.5	18	45	4.5	16							21
22	98	8.1		61	5.8	17							22
23	98	7.7	19	74	6.5								23
24	98	7.3		84	7.0	18	37	3.6					24
25	98	6.9	20	84	6.7		51	4.7	17				25
26	98	6.6		84	6.4	19	62	5.5					26
27	98	6.3	21	84	6.1		70	5.9	18	30	3.1	16	27
28	98	6.0	22	84	5.8	20	70	5.6		41	3.9		28
29	98	5.8		84	5.6		70	5.4	19	49	4.6	17	29
30	98	5.5	23	84	5.4	21	70	5.2		56	5.0		30
31	98	5.4		84	5.2		70	5.0	20	56	4.8	18	31
32	98	5.2	24	84	5.0	22	70	4.8		56	4.6		32
33	98	5.0		84	4.8		70	4.7		56	4.5		33
34	98	4.8	25	84	4.6	23	70	4.5	21	56	4.3	19	34
35	98	4.7		84	4.5		70	4.4		56	4.2		35
36	98	4.5	26	84	4.3	24	70	4.3	22	56	4.0		36
37	98	4.4		84	4.2		70	4.1		56	3.9	20	37
38	98	4.3	27	84	4.1	25	70	4.0		56	3.8		38
39	98	4.2		84	4.0		70	3.9	23	56	3.7		39
40	98	4.1	28	84	3.9	26	70	3.8		56	3.6	21	40
41	98	4.0		84	3.8		70	3.7	24	56	3.5		41
42	98	3.9	29	84	3.7	27	70	3.6		56	3.4	22	42
43	98	3.8		84	3.6		70	3.5		56	3.3		43
44	98	3.7	30	84	3.6		70	3.5	25	56	3.3		44
45	98	3.7		84	3.5	28	70	3.4		56	3.2		45
46	98	3.6	31	84	3.4		70	3.3		56	3.1	23	46
47	98	3.5		84	3.4		70	3.3	26	56	3.1		47
48	98	3.4		84	3.3	29	70	3.2		56	3.0		48
49			32	84	3.2		70	3.1		56	3.0	24	49
50	94	3.2		84	3.2	30	70	3.1	27	56	2.9		50
51			33				70	3.0		56	2.9		51
52							70	3.0		56	2.8		52
53						31			28	56	2.8	25	53
54			34							56	2.7		54
55	80	2.5		72	2.5		65	2.6		56	2.7		55
56						32			29			26	56
57			35										57
58													58
59						33			30				59
60	68	2.0	36	61	2.0		54	2.0		47	2.1	27	60
61													61
62													62
63			37			34			31				63
64												28	64
65	60	1.7		54	1.7		48	1.7		42	1.7		65
66			38			35							66
67													67
68									32				68
69												29	69
70	54	1.5	39	49	1.5		44	1.5		39	1.5		70
71						36							71
72									33				72
73													73
74			40										74
75	52	1.4		47	1.4	37	41	1.4		37	1.4	30	75
76													76
77									34				77
78													78
79													79
80							40	1.3		35	1.3	31	80

Sitka Spruce

Age	Yield Class 280			Yield Class 260			Yield Class 240			Yield Class 220			Yield Class 200			Age
	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	
15	104	8.5	19	96	8.4	18										15
16	143	10.5	20	133	10.4	19	89	7.9	18	82	8.0	17				16
17	172	11.4	21	160	11.8	20	123	9.9	19	112	10.0	18	74	7.3	17	17
18	196	12.0	22	182	12.1	21	148	10.9	20	136	11.0		102	9.2		18
19	196	11.1	23	182	11.2	22	168	11.3	21	154	11.4	19	123	10.6	18	19
20	196	10.3	24	182	10.4	23	168	10.5	22	154	10.6	20	140	10.9	19	20
21	196	9.6	25	182	9.6	24	168	9.7		154	9.9	21	140	10.1	20	21
22	196	9.0	26	182	9.0	25	168	9.1	23	154	9.2	22	140	9.4	21	22
23	196	8.5	27	182	8.5	26	168	8.6	24	154	8.7	23	140	8.8		23
24	196	8.1	28	182	8.1	27	168	8.1	25	154	8.2	24	140	8.3	22	24
25	196	7.8	29	182	7.8		168	7.8	26	154	7.8	25	140	7.8	23	25
26	196	7.4	30	182	7.4	28	168	7.4	27	154	7.4		140	7.4	24	26
27	196	7.1	31	182	7.1	29	168	7.0	28	154	7.0	26	140	7.0	25	27
28	196	6.8	32	182	6.8	30	168	6.7	29	154	6.7	27	140	6.7		28
29	196	6.5		182	6.5	31	168	6.4		154	6.4	28	140	6.4	26	29
30	196	6.3	33	182	6.3	32	168	6.2	30	154	6.2	29	140	6.1	27	30
31	196	6.1	34	182	6.1		168	6.0	31	154	5.9		140	5.9	28	31
32	196	5.9	35	182	5.9	33	168	5.8	32	154	5.7	30	140	5.7		32
33	196	5.7	36	182	5.7	34	168	5.6	33	154	5.5	31	140	5.5	29	33
34	196	5.6		182	5.6	35	168	5.5		154	5.4		140	5.3	30	34
35	196	5.4	37	182	5.4	36	168	5.4	34	154	5.3	32	140	5.2		35
36	196	5.2	38	182	5.2		168	5.1	35	154	5.1	33	140	5.0	31	36
37	196	5.1		182	5.1	37	168	5.0		154	4.9		140	4.8	32	37
38	196	5.0	39	182	5.0		168	4.9	36	154	4.8	34	140	4.7		38
39			40	182	4.8	38	168	4.7		154	4.7	35	140	4.6	33	39
40	190	4.7		180	4.7	39	168	4.6	37	154	4.6		140	4.5		40
41			41				168	4.5	38	154	4.5	36	140	4.4	34	41
42			42			40				154	4.4		140	4.3		42
43									39			37	140	4.2	35	43
44			43			41							140	4.1		44
45	166	3.9		160	3.9	42	153	3.9	40	146	3.9	38	138	3.9	36	45
46			44													46
47						43			41			39			37	47
48			45													48
49						44			42			40			38	49
50	144	3.2	46	137	3.2		131	3.2		125	3.2		118	3.2		50
51									43			41			39	51
52			47			45										52
53																53
54			48			46			44			42			40	54
55	124	2.6		119	2.6		113	2.6		108	2.6		102	2.6		55
56																56
57			49			47			45			43			41	57
58																58
59												44				59
60	109	2.2	50	104	2.2	48	99	2.2	46	94	2.1		89	2.1	42	60
61																61
62												45				62
63															43	63
64																64
65										83	1.8	46	78	1.8		65

Sitka Spruce

Age	Yield Class 180			Yield Class 160			Yield Class 140			Yield Class 120			Yield Class 100			Age
	Volume per acre per annum, h. fc.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	Volume per acre per annum, h. fc.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	Volume per acre per annum, h. fc.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	Volume per acre per annum, h. fc.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	Volume per acre per annum, h. fc.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	
18	67	6.9	16													18
19	92	8.7	17	59	6.4	16										19
20	111	9.6		82	8.1		52	6.0	15							20
21	126	10.4	18	99	9.1	17	72	7.6	16							21
22	126	9.6	19	112	9.9	18	86	8.5		45	5.3	15				22
23	126	8.9	20	112	9.1	19	98	9.3	17	61	6.6	16				23
24	126	8.3	21	112	8.4		98	8.5	18	74	7.5		37	4.6		24
25	126	7.8	22	112	7.8	20	98	7.9	19	84	8.1	17	51	5.9	15	25
26	126	7.4		112	7.4	21	98	7.4		84	7.5		62	6.5		26
27	126	7.0	23	112	7.0	22	98	7.0	20	84	7.0	18	70	7.1	16	27
28	126	6.7	24	112	6.6		98	6.6	21	84	6.6	19	70	6.6	17	28
29	126	6.4	25	112	6.3	23	98	6.3		84	6.2		70	6.2	18	29
30	126	6.1		112	6.0	24	98	6.0	22	84	5.9	20	70	5.8		30
31	126	5.9	26	112	5.8		98	5.7	23	84	5.6	21	70	5.5	19	31
32	126	5.7	27	112	5.6	25	98	5.5		84	5.4		70	5.3		32
33	126	5.4		112	5.3	26	98	5.2	24	84	5.1	22	70	5.0	20	33
34	126	5.2	28	112	5.1		98	5.0		84	4.9		70	4.8		34
35	126	5.1	29	112	5.0	27	98	4.9	25	84	4.8	23	70	4.7	21	35
36	126	5.0		112	4.8		98	4.7		84	4.6		70	4.5		36
37	126	4.8	30	112	4.7	28	98	4.6	26	84	4.5	24	70	4.4	22	37
38	126	4.6		112	4.5	29	98	4.4	27	84	4.3		70	4.2		38
39	126	4.5	31	112	4.4		98	4.3		84	4.2	25	70	4.1	23	39
40	126	4.4	32	112	4.3	30	98	4.2	28	84	4.1		70	4.0		40
41	126	4.3		112	4.2		98	4.1		84	4.0	26	70	3.9	24	41
42	126	4.2	33	112	4.1	31	98	4.0	29	84	3.9		70	3.8		42
43	125	4.1		112	4.0		98	3.9		84	3.8	27	70	3.7	25	43
44	126	4.0	34	112	3.9	32	98	3.8	30	84	3.7		70	3.6		44
45	126	3.9		112	3.8		98	3.7		84	3.6	28	70	3.5		45
46				112	3.7		98	3.6		84	3.5		70	3.4	26	46
47			35	112	3.6	33	98	3.5	31	84	3.4	29	70	3.3		47
48							98	3.4		84	3.3		70	3.2		48
49			36			34			32	84	3.2		70	3.1	27	49
50	110	3.2		102	3.2		93	3.1		84	3.2	30	70	3.0		50
51			37										70	2.9	28	51
52						35			33							52
53												31				53
54			38												29	54
55	95	2.6		87	2.5	36	79	2.5	34	70	2.4		61	2.3		55
56																56
57			39									32				57
58						37			35						30	58
59																59
60	83	2.1		75	2.0		68	2.0		60	2.0	33	52	1.9		60
61			40			38										61
62									36						31	62
63																63
64												34				64
65	73	1.7	41	67	1.7	39	60	1.7		53	1.7		46	1.6		65
66									37							66
67															32	67
68																68
69												35				69
70				59	1.5	40	54	1.5	38	47	1.4		41	1.4		70
71															33	71
72																72
73																73
74																74
75										43	1.3	36	39	1.3	34	75

Norway Spruce

Age	Yield Class 240			Yield Class 220			Yield Class 200			Yield Class 180			Age
	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	
17	89	8.8	20										17
18	123	11.2		82	8.2	20			19				18
19	148	12.4	21	112	10.3		74	7.6				19	19
20	168	12.7		136	11.3	21	102	9.5	20	67	7.0		20
21	168	11.7	22	154	11.8		123	10.5	21	92	8.8	20	21
22	168	10.9	23	154	10.9	22	140	10.9		111	9.8		22
23	168	10.1		154	10.1		140	10.1	22	126	10.2	21	23
24	168	9.5	24	154	9.5	23	140	9.5		126	9.5		24
25	168	9.0		154	8.9	24	140	8.9	23	126	8.8	22	25
26	168	8.5	25	154	8.5		140	8.3		126	8.2		26
27	168	8.1	26	154	8.1	25	140	7.9	24	126	7.7	23	27
28	168	7.8		154	7.7		140	7.5		126	7.3		28
29	168	7.5	27	154	7.4	26	140	7.2	25	126	7.0	24	29
30	168	7.2		154	7.1		140	6.9	26	126	6.7		30
31	168	7.0	28	154	6.9	27	140	6.6		126	6.4	25	31
32	168	6.7		154	6.6	28	140	6.4	27	126	6.2		32
33	168	6.5	29	154	6.4		140	6.2		126	6.0	26	33
34	168	6.4	30	154	6.2	29	140	6.0	28	126	5.8		34
35	168	6.2		154	6.0		140	5.8		126	5.6	27	35
36	168	6.0	31	154	5.8	30	140	5.6		126	5.4		36
37	168	5.9		154	5.7		140	5.5	29	126	5.3	28	37
38	168	5.8	32	154	5.6	31	140	5.4		126	5.2		38
39	168	5.6		154	5.4		140	5.2	30	126	5.0	29	39
40	168	5.5	33	154	5.3		140	5.1		126	4.9		40
41	168	5.4		154	5.2	32	140	5.0	31	126	4.8		41
42	168	5.3		154	5.1		140	4.9		126	4.7	30	42
43	168	5.2	34	154	5.0	33	140	4.8		126	4.6		43
44	168	5.1		154	4.9		140	4.7	32	126	4.5		44
45	168	5.0	35	154	4.8		140	4.6		126	4.4	31	45
46	168	4.9		154	4.7	34	140	4.5	33	126	4.3		46
47	168	4.9	36	154	4.7		140	4.5		126	4.3	32	47
48	168	4.8		154	4.6	35	140	4.4		126	4.2		48
49	168	4.7		154	4.5		140	4.3	34	126	4.1		49
50	168	4.7	37	154	4.5		140	4.3		126	4.1	33	50
51	168	4.6		154	4.4	36	140	4.2		126	4.0		51
52	168	4.6		154	4.4		140	4.2	35	126	4.0		52
53	168	4.5	38	154	4.3		140	4.1		126	3.9		53
54	168	4.5		154	4.3	37	140	4.1		126	3.9	34	54
55	168	4.4	39	154	4.2		140	4.0	36	126	3.8		55
56	168	4.4		154	4.2		140	4.0		126	3.8		56
57	168	4.3		154	4.1	38	140	3.9		126	3.7	35	57
58				154	4.1		140	3.9		126	3.7		58
59			40				140	3.9	37	126	3.7		59
60	158	3.9		147	3.9	39	137	3.8		125	3.6	36	60
61													61
62			41						38				62
63													63
64						40						37	64
65	138	3.3		129	3.2		119	3.1		109	3.0		65
66			42						39				66
67						41							67
68													68
69												38	69
70	124	2.9	43	117	2.8		108	2.7	40	98	2.6		70
71													71
72						42							72
73												39	73
74			44										74
75	115	2.6		108	2.5		100	2.4	41	91	2.3		75
76						43							76
77													77
78			45										78
79												40	79
80	110	2.5		102	2.4		95	2.3	42	87	2.2		80

Norway Spruce

Age	Yield Class 160			Yield Class 140			Yield Class 120			Yield Class 100			Age
	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	
17													17
18													18
19													19
20													20
21	59	6.5	19										21
22	82	8.2		52	6.1	19							22
23	99	9.2	20	72	7.7								23
24	112	9.5		86	8.6	20	45	5.3	19				24
25	112	8.8	21	98	8.8		61	6.8					25
26	112	8.2		98	8.2	21	74	7.5					26
27	112	7.7	22	98	7.7		84	7.8	20	37	4.4	19	27
28	112	7.3		98	7.3		84	7.3		51	5.5		28
29	112	6.9	23	98	6.9	22	84	6.9	21	62	6.2		29
30	112	6.6		98	6.6		84	6.5		70	6.5	20	30
31	112	6.4	24	98	6.3	23	84	6.1	22	70	6.1		31
32	112	6.1		98	6.0		84	5.8		70	5.8	21	32
33	112	5.9	25	98	5.7	24	84	5.5		70	5.5		33
34	112	5.6		98	5.5		84	5.3	23	70	5.2		34
35	112	5.4	26	98	5.2		84	5.1		70	5.0	22	35
36	112	5.2		98	5.0	25	84	4.9		70	4.8		36
37	112	5.1		98	4.9		84	4.8	24	70	4.7		37
38	112	5.0	27	98	4.8		84	4.6		70	4.5	23	38
39	112	4.8		98	4.6	26	84	4.5	25	70	4.3		39
40	112	4.7	28	98	4.5		84	4.4		70	4.2		40
41	112	4.6		98	4.4	27	84	4.3		70	4.1	24	41
42	112	4.5		98	4.3		84	4.2		70	3.9		42
43	112	4.4	29	98	4.2		84	4.0	26	70	3.8		43
44	112	4.3		98	4.1	28	84	3.9		70	3.7		44
45	112	4.2		98	4.0		84	3.8		70	3.6	25	45
46	112	4.2	30	98	4.0		84	3.8	27	70	3.5		46
47	112	4.1		98	3.9		84	3.7		70	3.5		47
48	112	4.0		98	3.8	29	84	3.6		70	3.4	26	48
49	112	4.0	31	98	3.8		84	3.5	28	70	3.3		49
50	112	3.9		98	3.7		84	3.5		70	3.3		50
51	112	3.8		98	3.6	30	84	3.4		70	3.2		51
52	112	3.8	32	98	3.6		84	3.4		70	3.2	27	52
53	112	3.7		98	3.5		84	3.3	29	70	3.1		53
54	112	3.7		98	3.5	31	84	3.3		70	3.1		54
55	112	3.6	33	98	3.4		84	3.2		70	3.0		55
56	112	3.6		98	3.4		84	3.2		70	3.0		56
57	112	3.5		98	3.3		84	3.1	30	70	2.9	28	57
58	112	3.5		98	3.3	32	84	3.1		70	2.9		58
59	112	3.5	34	98	3.3		84	3.1		70	2.9		59
60	112	3.5		98	3.2		84	3.0		70	2.8		60
61				98	3.2		84	3.0	31	70	2.8	29	61
62				98	3.2	33	84	2.9		70	2.7		62
63			35				84	2.9		70	2.7		63
64										70	2.7		64
65	99	2.9		89	2.8		79	2.7		68	2.6		65
66									32			30	66
67			36			34							67
68													68
69													69
70	89	2.5		78	2.4		67	2.3		56	2.1		70
71									33				71
72			37			35						31	72
73													73
74													74
75	82	2.2		72	2.1		62	2.0		52	1.8		75
76													76
77						36			34				77
78			38									32	78
79													79
80	79	2.1		70	1.9		60	1.8		50	1.7		80

European Larch

Age	Yield Class 140			Yield Class 120			Yield Class 100			Yield Class 80			Yield Class 60			Yield Class 40			Age
	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	
14	52	5.4																	14
15	72	6.7	19																15
16	86	7.2	20	46	4.5	19													16
17	98	7.4	21	61	5.4														17
18	98	6.8		74	5.9	20	37	3.8											18
19	98	6.2	22	84	6.2	21	51	4.6	19										19
20	98	5.9	23	84	5.8		62	5.2											20
21	98	5.6		84	5.5	22	70	5.4	20	30	3.0								21
22	98	5.2	24	84	5.1		70	5.1	21	41	3.8	19							22
23	98	4.9	25	84	4.8	23	70	4.7		49	4.3								23
24	98	4.7		84	4.6	24	70	4.5	22	56	4.6	20							24
25	98	4.5	26	84	4.4		70	4.3		56	4.4		22	2.3	18				25
26	98	4.3	27	84	4.2	25	70	4.1	23	56	4.2	21	31	2.9					26
27	98	4.1		84	4.0		70	3.9		56	3.9		37	3.4	19				27
28	98	3.9	28	84	3.8	26	70	3.7	24	56	3.7	22	42	3.7					28
29	98	3.8	29	84	3.7	27	70	3.6		56	3.5		42	3.4					29
30	98	3.7		84	3.6		70	3.5	25	56	3.4		42	3.3	20				30
31	98	3.6	30	84	3.5	28	70	3.4		56	3.3	23	42	3.2		15	1.7		31
32	98	3.5		84	3.4		70	3.3	26	56	3.1		42	3.0	21	20	2.2	18	32
33	98	3.4	31	84	3.3	29	70	3.2		56	3.0	24	42	2.9		25	2.6		33
34	98	3.3	32	84	3.2		70	3.1	27	56	2.9		42	2.8		28	2.7		34
35	98	3.2		84	3.1	30	70	3.0		56	2.8	25	42	2.7	22	28	2.6	19	35
36	98	3.2	33	84	3.0		70	2.9	28	56	2.7		42	2.6		28	2.5		36
37	98	3.1		84	3.0	31	70	2.8		56	2.6		42	2.5	23	28	2.4		37
38			34	84	2.9		70	2.7	29	56	2.6	26	42	2.4		28	2.3	20	38
39				84	2.8	32	70	2.7		56	2.5		42	2.3		28	2.2		39
40	92	2.8	35	84	2.8		70	2.6		56	2.4	27	42	2.2		28	2.1		40
41						33	70	2.5	30	56	2.4		42	2.2	24	28	2.0		41
42							70	2.5		56	2.3		42	2.1		28	1.9	21	42
43			36			34	70	2.4	31	56	2.3	28	42	2.1		28	1.9		43
44							70	2.3		56	2.2		42	2.0	25	28	1.8		44
45	84	2.4	37	74	2.3		66	2.2		56	2.2		42	2.0		28	1.8		45
46						35			32	56	2.2	29	42	2.0		28	1.7	22	46
47			38							56	2.1		42	1.9	26	28	1.7		47
48													42	1.9		28	1.7		48
49						36			33				42	1.9		28	1.6		49
50	75	2.0	39	66	1.9		57	1.8		49	1.8	30	42	1.9		28	1.6	23	50
51													42	1.9	27	28	1.6		51
52						37			34							28	1.6		52
53			40									31				28	1.5		53
54																28	1.5		54
55	68	1.7		59	1.6	38	49	1.5		40	1.4		33	1.4		28	1.5		55
56			41						35						28			24	56
57												32							57
58																			58
59			42			39													59
60	61	1.5		52	1.4		43	1.3	36	34	1.2		26	1.0		20	1.0		60
61																			61
62						40						33			29			25	62
63																			63
64									37										64
65				47	1.2	41	38	1.1		30	1.0		22	0.8		15	0.7		65
66																			66
67																			67
68												34			30				68
69																			69
70							34	0.9	38	26	0.8		19	0.7		13	0.6	26	70
71																			71
72																			72
73																			73
74												35							74
75										23	0.7		17	0.6		11	0.5		75
76																			76
77															31				77
78																			78
79																			79
80													15	0.5		9	0.4		80
85																7	0.3	27	85

Japanese Larch and Hybrid Larch

Age	Yield Class 160			Yield Class 140			Yield Class 120			Yield Class 100			Yield Class 80			Yield Class 60			Age
	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	
11	59	6.5	16																11
12	82	7.7	17	52	5.9	16													12
13	99	8.3	18	72	7.0	17	45	5.3	16										13
14	112	8.6	19	86	7.6	18	61	6.3	17										14
15	112	7.9	20	98	7.9	19	74	6.9		37	4.5	16							15
16	112	7.3	21	98	7.2		84	7.2	18	51	5.5	17							16
17	112	6.8		98	6.7	20	84	6.6	19	62	6.0		30	3.9	16				17
18	112	6.4	22	98	6.3	21	84	6.2		70	6.2	18	41	4.7					18
19	112	6.0	23	98	5.9		84	5.8	20	70	5.7		49	5.2	17				19
20	112	5.6	24	98	5.5	22	84	5.4	21	70	5.4	19	56	5.5		22	3.0	15	20
21	112	5.3		98	5.2	23	84	5.1		70	5.1	20	56	5.1	18	31	3.9	16	21
22	112	5.0	25	98	4.9	24	84	4.8	22	70	4.8		56	4.8		37	4.2		22
23	112	4.8	26	98	4.7		84	4.6	23	70	4.5	21	56	4.5	19	42	4.4	17	23
24	112	4.6	27	98	4.5	25	84	4.4		70	4.3		56	4.2		42	4.1		24
25	112	4.4		98	4.3		84	4.2	24	70	4.1	22	56	4.0	20	42	3.9		25
26	112	4.2	28	98	4.1	26	84	4.0		70	3.9		56	3.8	21	42	3.7	18	26
27	112	4.1	29	98	4.0	27	84	3.9	25	70	3.7	23	56	3.6		42	3.5		27
28	112	3.9		98	3.8		84	3.7		70	3.6		56	3.4		42	3.3	19	28
29	112	3.8	30	98	3.7	28	84	3.6	26	70	3.4	24	56	3.2		42	3.1		29
30	112	3.7		98	3.6		84	3.5		70	3.3		56	3.1	22	42	3.0		30
31	112	3.6	31	98	3.5	29	84	3.4	27	70	3.2	25	56	3.0		42	2.9	20	31
32	112	3.5	32	98	3.4		84	3.3		70	3.1		56	2.9	23	42	2.8		32
33	112	3.5		98	3.3	30	84	3.2	28	70	3.0		56	2.8		42	2.7	21	33
34	112	3.4	33	98	3.3		84	3.1		70	2.9	26	56	2.7		42	2.6		34
35	112	3.4		98	3.2	31	84	3.0	29	70	2.9		56	2.6	24	42	2.5		35
36			34	98	3.2		84	3.0		70	2.8	27	56	2.6		42	2.4		36
37						32	84	2.9	30	70	2.8		56	2.5		42	2.4	22	37
38			35				84	2.8		70	2.7		56	2.5	25	42	2.3		38
39						33				70	2.7	28	56	2.5		42	2.3		39
40	98	2.7	36	89	2.7		79	2.6	31	69	2.6		56	2.4		42	2.2	23	40
41						34							56	2.4	26	42	2.2		41
42												29	56	2.3		42	2.1		42
43			37						32							42	2.1		43
44						35									27	42	2.0	24	44
45	89	2.3	38	79	2.2		69	2.1	33	58	2.0	30	50	2.0		42	2.0		45
46						36													46
47																			47
48			39						34			31			28			25	48
49						37													49
50	83	2.0	40	72	1.9		62	1.8		52	1.7		42	1.6		33	1.5		50
51																			51
52						38			35			32			29				52
53			41															26	53
54																			54
55	78	1.8		68	1.7	39	57	1.6	36	46	1.5	33	37	1.3		26	1.1		55
56															30				56
57																			57
58																			58
59									37									27	59
60							54	1.4		43	1.3	34	33	1.1		23	0.9		60
61															31				61
62																			62
63																			63
64																			64
65													31	1.0		21	0.8	28	65
66																			66
67																			67
68																			68
69																			69
70																20	0.7		70

Douglas Fir

Age	Yield Class 260			Yield Class 240			Yield Class 220			Yield Class 200			Age
	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	
14	96	7.9	20	89	8.3	19							14
15	133	9.8	21	123	10.1	20	82	7.4	19				15
16	160	10.7		148	10.9	21	112	9.1	20	74	6.7	19	16
17	182	11.4	22	168	11.3		136	10.0	21	102	8.2	20	17
18	182	10.6	23	168	10.5	22	154	10.5		123	9.0	21	18
19	182	9.9	24	168	9.8	23	154	9.8	22	140	9.7		19
20	182	9.3	25	168	9.2	24	154	9.1	23	140	9.1	22	20
21	182	8.8	26	168	8.7	25	154	8.6	24	140	8.6	23	21
22	182	8.3	27	168	8.2	26	154	8.1	25	140	8.1	24	22
23	182	7.9		168	7.8		154	7.6		140	7.6		23
24	182	7.5	28	168	7.3	27	154	7.2	26	140	7.1	25	24
25	182	7.2	29	168	7.0	28	154	6.8	27	140	6.7	26	25
26	182	6.9	30	168	6.7	29	154	6.5	28	140	6.5		26
27	182	6.6		168	6.4		154	6.3		140	6.2	27	27
28	182	6.4	31	168	6.2	30	154	6.0	29	140	6.0	28	28
29	182	6.2	32	168	6.0	31	154	5.8	30	140	5.8		29
30	182	6.0		168	5.8		154	5.7		140	5.6	29	30
31	182	5.8	33	168	5.6	32	154	5.5	31	140	5.4		31
32	182	5.6	34	168	5.4	33	154	5.3		140	5.2	30	32
33	182	5.5		168	5.3		154	5.2	32	140	5.1	31	33
34	182	5.4	35	168	5.2	34	154	5.1	33	140	4.9		34
35	182	5.3	36	168	5.1		154	5.0		140	4.8	32	35
36	182	5.2		168	5.0	35	154	4.8	34	140	4.7		36
37	182	5.1	37	168	4.9		154	4.7		140	4.6	33	37
38	182	5.0		168	4.8	36	154	4.6	35	140	4.5		38
39	182	4.9	38	168	4.7		154	4.5		140	4.3	34	39
40	182	4.8		168	4.6	37	154	4.4	36	140	4.2		40
41	182	4.8	39	168	4.6		154	4.4		140	4.2		41
42	182	4.7		168	4.5	38	154	4.3	37	140	4.1	35	42
43	182	4.7	40	168	4.5		154	4.3		140	4.1		43
44	182	4.6		168	4.4	39	154	4.2		140	4.0	36	44
45	175	4.4	41	168	4.3		154	4.1	38	140	3.9		45
46						40	154	4.1		140	3.9	37	46
47			42						39	140	3.9		47
48													48
49						41						38	49
50	144	3.4	43	138	3.3		130	3.3	40	124	3.3		50
51						42							51
52												39	52
53			44						41				53
54						43							54
55	124	2.8		118	2.8		112	2.7		106	2.7	40	55
56			45						42				56
57						44							57
58												41	58
59			46						43				59
60	111	2.4		106	2.4		100	2.4		94	2.3		60
61						45							61
62												42	62
63			47						44				63
64													64
65	103	2.2		92	2.1	46	91	2.1		85	2.0	43	65
66													66
67									45				67
68													68
69													69
70							85	1.8		79	1.8	44	70

Douglas Fir

Age	Yield Class 180			Yield Class 160			Yeild Class 140			Yield Class 120			Age
	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	
17	67	6.3	19										17
18	92	7.7	20	59	5.8	19							18
19	111	8.5		82	7.2		52	5.5	18				19
20	126	9.1	21	99	8.0	20	72	6.9	19				20
21	126	8.5	22	112	8.4	21	86	7.5	20	45	4.9	18	21
22	126	7.9		112	7.8		98	8.2		61	6.0	19	22
23	126	7.4	23	112	7.3	22	98	7.5	21	74	6.6		23
24	126	7.0	24	112	6.9	23	98	7.0		84	7.1	20	24
25	126	6.6		112	6.5		98	6.5	22	84	6.5		25
26	126	6.3	25	112	6.2	24	98	6.1		84	6.1	21	26
27	126	6.0	26	112	5.9		98	5.8	23	84	5.8		27
28	126	5.8		112	5.7	25	98	5.5		84	5.5	22	28
29	126	5.6	27	112	5.5		98	5.3	24	84	5.2		29
30	126	5.4	28	112	5.2	26	98	5.1		84	5.0	23	30
31	126	5.2		112	5.0	27	98	4.9	25	84	4.8		31
32	126	5.0	29	112	4.8		98	4.7		84	4.6	24	32
33	126	4.9		112	4.7	28	98	4.5	26	84	4.4		33
34	126	4.7	30	112	4.5		98	4.4		84	4.3	25	34
35	126	4.6		112	4.4	29	98	4.3	27	84	4.2		35
36	126	4.5	31	112	4.3		98	4.2		84	4.1		36
37	126	4.4		112	4.2		98	4.1	28	84	4.0	26	37
38	126	4.3	32	112	4.1	30	98	4.0		84	3.9		38
39	126	4.2		112	4.0		98	3.9	29	84	3.8	27	39
40	126	4.1	33	112	3.9	31	98	3.8		84	3.7		40
41	126	4.1		112	3.9		98	3.7		84	3.6	28	41
42	126	4.0		112	3.8	32	98	3.6	30	84	3.5		42
43	126	4.0	34	112	3.8		98	3.6		84	3.4		43
44	126	3.9		112	3.7		98	3.5	31	84	3.3	29	44
45	126	3.8	35	112	3.6	33	98	3.4		84	3.2		45
46	126	3.8		112	3.6		98	3.4		84	3.2		46
47	126	3.7		112	3.5		98	3.3	32	84	3.1	30	47
48	126	3.7	36	112	3.5	34	98	3.3		84	3.1		48
49				112	3.4		98	3.2		84	3.0		49
50	117	3.3		112	3.3		98	3.2	33	84	3.0	31	50
51			37			35	98	3.2		84	3.0		51
52										84	2.9		52
53									34	84	2.9		53
54			38			36						32	54
55	99	2.7		92	2.6		85	2.6		78	2.6		55
56													56
57						37			35			33	57
58			39										58
59													59
60	88	2.3		80	2.2		74	2.2		67	2.1		60
61			40			38			36				61
62												34	62
63													63
64													64
65	79	2.0	41	72	1.9		66	1.8		59	1.8		65
66						39			37				66
67												35	67
68													68
69													69
70	73	1.8	42	66	1.7	40	60	1.6	38	53	1.6		70
71													71
72													72
73												36	73
74													74
75				62	1.5	41	56	1.4	39	50	1.4		75
76													76
77													77
78													78
79													79
80										48	1.3	37	80

Western Hemlock

Age	Yield Class 260			Yield Class 240			Yield Class 220			Yield Class 200			Age
	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	
16	96	7.0	20										16
17	133	9.0		89	6.5								17
18	160	9.9	21	123	8.4	20	82	6.0	19				18
19	182	10.5	22	148	9.4	21	112	7.9	20	74	5.7	19	19
20	182	9.9	23	168	9.9	22	136	8.9	21	102	7.5		20
21	182	9.4	24	168	9.4	23	154	9.4	22	123	8.4	20	21
22	182	8.9	25	168	8.9	24	154	8.9		140	8.9	21	22
23	182	8.4	26	168	8.4	25	154	8.4	23	140	8.4	22	23
24	182	8.0	27	168	8.0	26	154	8.0	24	140	8.0	23	24
25	182	7.6	28	168	7.6	27	154	7.6	25	140	7.6		25
26	182	7.3	29	168	7.3		154	7.2	26	140	7.2	24	26
27	182	7.0	30	168	7.0	28	154	6.9	27	140	6.9	25	27
28	182	6.7	31	168	6.7	29	154	6.6		140	6.6	26	28
29	182	6.4	32	168	6.4	30	154	6.3	28	140	6.3		29
30	182	6.2		168	6.2	31	154	6.1	29	140	6.1	27	30
31	182	6.0	33	168	6.0		154	5.9	30	140	5.9	28	31
32	182	5.8	34	168	5.8	32	154	5.7		140	5.7	29	32
33	182	5.6	35	168	5.6	33	154	5.5	31	140	5.5		33
34	182	5.4	36	168	5.4	34	154	5.3	32	140	5.3	30	34
35	182	5.2		168	5.2	35	154	5.1	33	140	5.1	31	35
36	182	5.1	37	168	5.1		154	5.0		140	5.0	32	36
37	182	4.9	38	168	4.9	36	154	4.8	34	140	4.8		37
38	182	4.8	39	168	4.8	37	154	4.7	35	140	4.7		38
39	182	4.7	40	168	4.7	38	154	4.6		140	4.6	33	39
40	182	4.6		168	4.6		154	4.5	36	140	4.5	34	40
41	182	4.5	41	168	4.5	39	154	4.4	37	140	4.3	35	41
42	182	4.4	42	168	4.4	40	154	4.3		140	4.2		42
43	182	4.3		168	4.3		154	4.2	38	140	4.1	36	43
44	182	4.3	43	168	4.2	41	154	4.1	39	140	4.0		44
45	182	4.2	44	168	4.1	42	154	4.0		140	4.0	37	45
46				168	4.0		154	4.0	40	140	3.9	38	46
47			45	168	3.9	43	154	3.9		140	3.8		47
48			46				154	3.8	41	140	3.7	39	48
49						44	154	3.7	42	140	3.7		49
50	170	3.6	47	161	3.6	45	154	3.6		140	3.6	40	50
51									43	140	3.5		51
52			48			46				140	3.5	41	52
53			49						44				53
54						47						42	54
55	160	3.1	50	151	3.1		142	3.1	45	135	3.1		55
56						48						43	56
57									46				57
58						49						44	58
59									47				59
60				141	2.7	50	133	2.7		124	2.7	45	60
61									48				61
62												46	62
63									49				63
64												47	64
65							126	2.4	50	117	2.4		65
66													66
67												48	67
68													68
69													69
70										112	2.2	49	70

Western Hemlock

Age	Yield Class 180			Yield Class 160			Yield Class 140			Age
	Volume per acre per annum, h. fc.	Basal area per ac. per ann. sq. fc. q.g.	Tariff Number	Volume per acre per annum, h. fc.	Basal area per ac. per ann. sq. fc. q.g.	Tariff Number	Volume per acre per annum, h. fc.	Basal area per ac. per ann. sq. fc. q.g.	Tariff Number	
20	67	5.5	18							20
21	92	7.1	19							21
22	111	8.0	20	59	5.0	18				22
23	126	8.5		82	6.5	19				23
24	126	8.1	21	99	7.3		52	4.6	18	24
25	126	7.7	22	112	7.8	20	72	5.9		25
26	126	7.3		112	7.4	21	86	6.6	19	26
27	126	6.9	23	112	7.0		98	7.2		27
28	126	6.6	24	112	6.6	22	98	6.7	20	28
29	126	6.3	25	112	6.3	23	98	6.3	21	29
30	126	6.1		112	6.0		98	6.0		30
31	126	5.9	26	112	5.8	24	98	5.7	22	31
32	126	5.7	27	112	5.6	25	98	5.5		32
33	126	5.5		112	5.4		98	5.3	23	33
34	126	5.3	28	112	5.2	26	98	5.1	24	34
35	126	5.1	29	112	5.0		98	4.9		35
36	126	5.0		112	4.9	27	98	4.8	25	36
37	126	4.8	30	112	4.7	28	98	4.6		37
38	126	4.7		112	4.6		98	4.5	26	38
39	126	4.5	31	112	4.4	29	98	4.3		39
40	126	4.4	32	112	4.3		98	4.2	27	40
41	126	4.3		112	4.2	30	98	4.1	28	41
42	126	4.2	33	112	4.1		98	4.0		42
43	126	4.1		112	4.0	31	98	3.9	29	43
44	126	4.0	34	112	3.9	32	98	3.8		44
45	126	3.9	35	112	3.8		98	3.7	30	45
46	126	3.8		112	3.7	33	98	3.6		46
47	126	3.7	36	112	3.6		98	3.5	31	47
48	126	3.6		112	3.5	34	98	3.5		48
49	126	3.6	37	112	3.5		98	3.4	32	49
50	126	3.5		112	3.4	35	98	3.4		50
51	126	3.4	38	112	3.4		98	3.3		51
52	126	3.4		112	3.3		98	3.3	33	52
53	126	3.3	39	112	3.2	36	98	3.2		53
54	126	3.2		112	3.2		98	3.2	34	54
55	126	3.1	40	112	3.1	37	98	3.1		55
56				112	3.1		98	3.1	35	56
57			41	112	3.0	38	98	3.1		57
58							98	3.0		58
59						39	98	3.0	36	59
60	116	2.7	42	99	2.7		98	2.9		60
61										61
62			43			40			37	62
63										63
64			44			41				64
65	108	2.4		93	2.4		90	2.5	38	65
66										66
67			45			42			39	67
68										68
69						43				69
70	103	2.2	46	90	2.2		84	2.2	40	70
71										71
72						44				72
73									41	73
74										74
75				89	2.0	45	81	2.0		75
76									42	76
77										77
78										78
79										79
80							80	1.9	43	80

Western Red Cedar and Lawson Cypress

Age	Yield Class 280			Yield Class 260			Yield Class 240			Yield Class 220			Age
	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	
16			19										16
17	104	9.5				19							17
18	143	12.0	20	96	8.8				19				18
19	172	13.1	21	133	11.1	20	89	8.1				19	19
20	196	14.0	22	160	12.2	21	123	10.4	20	82	7.5		20
21	196	13.0		182	12.9		148	11.3	21	112	9.6	20	21
22	196	12.1	23	182	12.0	22	168	11.9		136	10.6		22
23	196	11.4		182	11.3	23	168	11.2	22	154	11.3	21	23
24	196	10.8	24	182	10.7		168	10.6	23	154	10.7	22	24
25	196	10.3		182	10.2	24	168	10.1		154	10.1		25
26	196	9.8	25	182	9.7		168	9.6	24	154	9.5	23	26
27	196	9.4	26	182	9.3	25	168	9.1		154	9.1		27
28	196	9.0		182	8.9		168	8.7		154	8.7	24	28
29	196	8.7	27	182	8.5	26	168	8.4	25	154	8.3		29
30	196	8.4		182	8.2		168	8.1		154	8.0		30
31	196	8.1	28	182	7.9	27	168	7.8	26	154	7.7	25	31
32	196	7.8		182	7.7		168	7.5		154	7.4		32
33	196	7.6	29	182	7.5	28	168	7.3	27	154	7.2	26	33
34	196	7.4		182	7.3		168	7.1		154	7.0		34
35	196	7.2	30	182	7.1	29	168	6.9	28	154	6.8	27	35
36	196	7.0		182	6.9		168	6.7		154	6.6		36
37	196	6.9	31	182	6.7	30	168	6.6	29	154	6.4	28	37
38	196	6.8		182	6.6		168	6.4		154	6.3		38
39	196	6.6	32	182	6.4	31	168	6.3	30	154	6.2		39
40	196	6.5		182	6.3		168	6.2		154	6.0	29	40
41	196	6.4	33	182	6.2	32	168	6.0		154	5.9		41
42	196	6.3		182	6.1		168	5.9	31	154	5.8	30	42
43	196	6.2	34	182	6.0		168	5.8		154	5.7		43
44	196	6.1		182	5.9	33	168	5.7	32	154	5.6		44
45	196	6.0		182	5.8		168	5.6		154	5.5	31	45
46	196	5.9	35	182	5.7		168	5.5		154	5.4		46
47	196	5.8		182	5.6	34	168	5.5	33	154	5.3		47
48	196	5.7		182	5.5		168	5.4		154	5.2	32	48
49			36	182	5.5	35	168	5.3		154	5.2		49
50	180	5.2		174	5.2		168	5.3	34	154	5.1		50
51			37							154	5.0	33	51
52						36				154	5.0		52
53									35				53
54			38									34	54
55	160	4.3		154	4.3	37	146	4.3		140	4.3		55
56									36				56
57			39									35	57
58						38							58
59									37				59
60	148	3.8	40	140	3.7		132	3.7		124	3.6		60
61						39						36	61
62													62
63			41						38				63
64													64
65	138	3.4		130	3.3	40	123	3.3		114	3.2	37	65
66			42						39				66
67													67
68						41							68
69												38	69
70	130	3.1	43	123	3.0		116	3.0		108	2.9		70
71									40				71
72													72
73												39	73
74													74
75							110	2.7	41	103	2.7		75

Western Red Cedar and Lawson Cypress

Age	Yield Class 200			Yield Class 180			Yield Class 160			Yield Class 140			Age
	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	
20			19										20
21	74	6.1											21
22	102	8.7	20			19							22
23	123	9.9		67	6.1								23
24	140	10.8	21	92	7.9	20			19				24
25	140	10.1		111	8.8		59	5.4					25
26	140	9.5	22	126	9.4	21	82	7.0	20			19	26
27	140	9.0		126	8.9		99	7.8		52	4.7		27
28	140	8.6	23	126	8.5	22	112	8.5	21	72	6.2	20	28
29	140	8.2		126	8.1		112	8.1		86	7.0		29
30	140	7.9	24	126	7.8	23	112	7.7	22	98	7.7		30
31	140	7.6		126	7.5		112	7.3		98	7.3	21	31
32	140	7.3		126	7.2		112	7.0		98	7.0		32
33	140	7.0	25	126	6.9	24	112	6.7	23	98	6.7	22	33
34	140	6.8		126	6.7		112	6.5		98	6.4		34
35	140	6.6	26	126	6.5		112	6.3		98	6.2		35
36	140	6.4		126	6.3	25	112	6.1	24	98	6.0	23	36
37	140	6.2		126	6.1		112	5.9		98	5.8		37
38	140	6.1	27	126	6.0	26	112	5.8		98	5.6		38
39	140	5.9		126	5.8		112	5.6	25	98	5.5	24	39
40	140	5.8	28	126	5.7		112	5.5		98	5.3		40
41	140	5.7		126	5.6	27	112	5.4		98	5.2		41
42	140	5.6		126	5.4		112	5.3	26	98	5.0		42
43	140	5.5	29	126	5.3		112	5.2		98	4.9	25	43
44	140	5.4		126	5.2	28	112	5.1		98	4.8		44
45	140	5.3		126	5.1		112	4.9	27	98	4.7		45
46	140	5.2	30	126	5.0		112	4.9		98	4.6	26	46
47	140	5.1		126	4.9	29	112	4.8		98	4.5		47
48	140	5.0		126	4.8		112	4.7	28	98	4.4		48
49	140	5.0	31	126	4.8		112	4.6		98	4.4	27	49
50	140	4.9		126	4.7	30	112	4.5		98	4.3		50
51	140	4.9		126	4.6		112	4.5	29	98	4.2		51
52	140	4.8	32	126	4.6		112	4.4		98	4.2		52
53	140	4.7		126	4.5	31	112	4.3		98	4.1	28	53
54	140	4.7		126	4.4		112	4.3		98	4.1		54
55	134	4.3	33	126	4.3		112	4.2	30	98	4.0		55
56				126	4.3		112	4.2		98	3.9		56
57						32	112	4.1		98	3.9	29	57
58							112	4.1		98	3.8		58
59			34						31	98	3.8		59
60	118	3.6		112	3.6		102	3.6		94	3.6		60
61						33							61
62												30	62
63			35						32				63
64													64
65	107	3.2		99	3.1	34	90	3.0		78	2.8		65
66													66
67			36									31	67
68									33				68
69													69
70	101	2.9		92	2.8	35	82	2.6		70	2.4		70
71													71
72			37									32	72
73									34				73
74													74
75	95	2.6		87	2.5	36	77	2.4		66	2.2		75
76													76
77			38										77
78												33	78
79									35				79
80	92	2.4		83	2.3	37	72	2.2		64	2.1		80

Grand Fir

Age	Yield Class 340			Yield Class 300			Yield Class 260			Yield Class 220			Yield Class 180			Age
	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	
16	126	9.4	20													16
17	174	11.7	21	111	8.3	19										17
18	209	12.5	22	153	10.3	20	96	7.4	19							18
19	238	12.9	23	185	11.3	22	133	9.2	20	82	6.7	18				19
20	238	12.0	25	210	11.8	23	160	10.1	22	112	8.3	20				20
21	238	11.2	26	210	10.9	24	182	10.6	23	136	9.1	21	67	5.5	18	21
22	238	10.4	27	210	10.1	25	182	9.8	24	154	9.6	22	92	6.9	19	22
23	238	9.7	28	210	9.4	26	182	9.1	25	154	8.9	23	111	7.6	20	23
24	238	9.1	30	210	8.8	28	182	8.5	26	154	8.3	24	126	8.1	21	24
25	238	8.6	31	210	8.3	29	182	8.0	27	154	7.7	25	126	7.5	22	25
26	238	8.2	32	210	7.9	30	182	7.6	28	154	7.3	26	126	7.1	23	26
27	238	7.8	33	210	7.5	31	182	7.2	29	154	6.9	27	126	6.7	24	27
28	238	7.5	34	210	7.2	32	182	6.9	30	154	6.6		126	6.4	25	28
29	238	7.2	35	210	6.9	33	182	6.6	31	154	6.3	28	126	6.1		29
30	238	6.9	36	210	6.6	34	182	6.3	32	154	6.0	29	126	5.8	26	30
31	238	6.7	37	210	6.4	35	182	6.1		154	5.8	30	126	5.6	27	31
32	238	6.5	38	210	6.2	36	182	5.9	33	154	5.6	31	126	5.3	28	32
33	238	6.3	39	210	6.0	37	182	5.7	34	154	5.4		126	5.1		33
34	238	6.1	40	210	5.8		182	5.5	35	154	5.2	32	126	4.9	29	34
35	238	5.9	41	210	5.6	38	182	5.3	36	154	5.0	33	126	4.7	30	35
36	238	5.8	42	210	5.5	39	182	5.2		154	4.9	34	126	4.6		36
37	238	5.6		210	5.3	40	182	5.0	37	154	4.7		126	4.4	31	37
38	238	5.5	43	210	5.2	41	182	4.9	38	154	4.6	35	126	4.3		38
39	238	5.4	44	210	5.1	42	182	4.8		154	4.5		126	4.2	32	39
40	228	5.1	45	210	5.0		182	4.7	39	154	4.4	36	126	4.1	33	40
41			46			43	182	4.6	40	154	4.4		126	4.0		41
42			47							154	4.3	37	126	4.0	34	42
43						44			41				126	3.9		43
44			48			45			42			38			35	44
45	187	3.9	49	169	3.7		151	3.6		134	3.5	39	116	3.5		45
46						46			43						36	46
47						47						40				47
48									44						37	48
49						48						41				49
50				144	3.0	49	129	2.9	45	113	2.8		99	2.7		50
51															38	51
52									46			42				52
53																53
54												43			39	54
55							112	2.4	47	97	2.3		84	2.2		55
56																56
57												44			40	57
58																58
59																59
60										85	1.9	45	72	1.8		60
61															41	61
62																62
63																63
64																64
65													62	1.5	42	65

Noble Fir

Age	Yield Class 240			Yield Class 220			Yield Class 200			Yield Class 180			Yield Class 160			Yield Class 140			Age
	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	
20	89	6.6	19																20
21	123	8.6	20	82	6.1	19													21
22	148	9.6	21	112	7.9	20	74	5.7	19										22
23	168	9.9	22	136	8.9	21	102	7.3	20	67	5.3	19							23
24	168	9.4	23	154	9.4	22	123	8.3		92	6.8	20	59	4.9	18				24
25	168	9.0	24	154	8.9	23	140	8.8	21	111	7.7		82	6.3	19				25
26	168	8.6		154	8.5	24	140	8.4	22	126	8.3	21	99	7.2	20	52	4.2	18	26
27	168	8.2	25	154	8.1		140	8.0	23	126	7.9	22	112	7.7		72	5.5	19	27
28	168	7.9	26	154	7.8	25	140	7.7		126	7.5		112	7.3	21	86	6.4	20	28
29	168	7.6		154	7.5		140	7.4	24	126	7.2	23	112	7.0		98	6.8		29
30	168	7.3	27	154	7.2	26	140	7.1	25	126	6.9		112	6.7	22	98	6.5	21	30
31	168	7.1	28	154	7.0		140	6.8		126	6.6	24	112	6.4		98	6.2		31
32	168	6.9		154	6.8	27	140	6.6	26	126	6.4		112	6.2	23	98	6.0	22	32
33	168	6.7	29	154	6.6		140	6.4		126	6.2	25	112	6.0		98	5.8		33
34	168	6.5		154	6.4	28	140	6.2	27	126	6.0		112	5.8	24	98	5.6	23	34
35	168	6.3	30	154	6.2		140	6.0		126	5.8	26	112	5.6		98	5.4		35
36	168	6.2		154	6.1	29	140	5.9	28	126	5.7		112	5.5	25	98	5.3	24	36
37	168	6.0	31	154	5.9		140	5.7		126	5.5	27	112	5.3		98	5.1		37
38	168	5.9		154	5.8	30	140	5.6	29	126	5.4		112	5.2	26	98	5.0	25	38
39	168	5.7	32	154	5.6		140	5.4		126	5.2	28	112	5.0		98	4.8		39
40	168	5.6		154	5.5	31	140	5.3	30	126	5.1		112	4.9	27	98	4.7		40
41	168	5.5	33	154	5.4		140	5.2		126	5.0	29	112	4.8		98	4.6	26	41
42	168	5.4		154	5.3	32	140	5.1	31	126	4.9		112	4.7	28	98	4.5		42
43	168	5.3	34	154	5.2		140	5.0		126	4.8		112	4.6		98	4.4		43
44	168	5.2		154	5.1	33	140	4.9		126	4.7	30	112	4.5		98	4.3	27	44
45	168	5.2		154	5.0		140	4.8	32	126	4.6		112	4.4	29	98	4.2		45
46	168	5.1	35	154	4.9		140	4.7		126	4.5		112	4.3		98	4.1		46
47	168	5.0		154	4.8	34	140	4.6	33	126	4.4	31	112	4.2		98	4.0	28	47
48	168	5.0	36	154	4.8		140	4.6		126	4.4		112	4.2	30	98	4.0		48
49	168	4.9		154	4.7		140	4.5		126	4.3		112	4.1		98	3.9		49
50	168	4.8		154	4.6	35	140	4.4	34	126	4.2	32	112	4.0		98	3.8	29	50
51	168	4.7	37	154	4.6		140	4.4		126	4.2		112	4.0	31	98	3.8		51
52	168	4.6		154	4.5		140	4.3		126	4.1		112	3.9		98	3.7		52
53	168	4.6		154	4.5	36	140	4.3	35	126	4.1	33	112	3.9		98	3.7	30	53
54	168	4.5	38	154	4.4		140	4.2		126	4.0		112	3.8	32	98	3.6		54
55	162	4.3		150	4.2		140	4.2		126	4.0		112	3.8		98	3.6		55
56						37			36	126	4.0	34	112	3.8		98	3.6	31	56
57			39										112	3.7	33	98	3.5		57
58													112	3.7		98	3.5		58
59						38						35				98	3.4		59
60	144	3.6	40	132	3.5		120	3.4	37	112	3.4		104	3.3		98	3.4		60
61															34			32	61
62						39													62
63			41									36							63
64									38										64
65	136	3.2		123	3.1		112	3.0		101	2.9		92	2.8	35	80	2.6	33	65
66						40													66
67			42									37							67
68									39										68
69																			69
70	130	3.0	43	118	2.9	41	107	2.8		96	2.7		86	2.6	36	76	2.4	34	70
71												38							71
72																			72
73									40										73
74																			74
75				115	2.7	42	104	2.6		94	2.5		84	2.4	37	74	2.2	35	75
76												39							76
77																			77
78																			78
79																			79
80										92	2.4		82	2.3	38	72	2.1	36	80

Oak

Age	Yield Class 80			Yield Class 60			Yield Class 40			Age
	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	
25	56	4.8	21							25
30	56	4.0	23	42	3.8	21				30
35	56	3.3	25	42	3.2	22				35
40	56	2.8	26	42	2.7	24	28	2.5	21	40
45	56	2.4	28	42	2.4	25	28	2.3	22	45
50	56	2.1	29	42	2.1	26	28	2.1	23	50
55	56	1.9	30	42	1.9	27	28	1.9	24	55
60	56	1.8	31	42	1.7	28	28	1.7	25	60
65	56	1.7	32	42	1.6	29	28	1.6	25	65
70	56	1.6	32	42	1.5	30	28	1.5	26	70
75	56	1.5	34	42	1.4	31	28	1.4	26	75
80	56	1.5	35	42	1.4	31	28	1.3	27	80
85	56	1.5	36	42	1.3	32	28	1.2	27	85
90	56	1.5	36	42	1.3	32	28	1.1	28	90
95	54	1.4	37	42	1.2	33	28	1.0	28	95
100	52	1.3	37	42	1.2	33	28	1.0	28	100
105	50	1.2	38	40	1.1	33	28	1.0	28	105
110	48	1.1	38	38	1.0	34	28	1.0	29	110
115	46	1.1	39	36	1.0	34	26	0.9	29	115
120	44	1.0	39	34	0.9	34	24	0.8	29	120
125	42	1.0	39	32	0.9	34	22	0.8	29	125
130	40	0.9	40	30	0.8	35	20	0.7	29	130
135	38	0.9	40	28	0.8	35	18	0.6	29	135
140	36	0.8	40	26	0.7	35	16	0.6	29	140
145				24	0.6	35	14	0.5	29	145
150							12	0.5	29	150

Beech

Age	Yield Class 100			Yield Class 80			Yield Class 60			Yield Class 40			Age
	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	
25	37	3.1	21										25
30	70	4.2	24	56	4.0	21							30
35	70	3.7	26	56	3.6	23	44	3.4	20				35
40	70	3.3	28	56	3.2	25	44	3.0	21	28	2.7	18	40
45	70	2.9	30	56	2.8	27	44	2.7	23	28	2.4	19	
50	70	2.6	32	56	2.5	28	44	2.4	24	28	2.1	20	50
55	70	2.4	33	56	2.3	29	44	2.1	25	28	1.9	21	55
60	70	2.3	34	56	2.1	30	44	1.9	26	28	1.7	22	60
65	70	2.2	35	56	2.0	31	44	1.8	27	28	1.6	23	65
70	70	2.1	37	56	1.9	32	44	1.7	28	28	1.5	24	70
75	70	2.0	38	56	1.8	33	44	1.6	29	28	1.4	24	75
80	70	2.0	39	56	1.8	34	44	1.6	30	28	1.4	25	80
85	67	1.8	39	56	1.7	35	44	1.5	30	28	1.3	26	85
90	64	1.7	40	53	1.6	36	44	1.5	31	28	1.3	26	90
95	61	1.6	41	51	1.5	36	44	1.5	31	28	1.2	27	95
100	59	1.5	41	50	1.4	37	40	1.4	32	28	1.2	27	100
105	57	1.5	42	48	1.4	37	38	1.3	32	28	1.2	27	105
110	55	1.4	42	46	1.3	38	36	1.2	33	28	1.2	28	110
115	53	1.4	43	44	1.3	38	34	1.2	33	26	1.1	28	115
120	52	1.3	43	43	1.2	38	33	1.1	33	24	1.0	28	120
125				42	1.2	39	33	1.1	34	22	1.0	28	125
130							32	1.0	34	21	0.9	28	130
135							31	1.0	34	21	0.9	28	135
140										20	0.8	28	140
145										20	0.8	28	145
150										20	0.8	28	150

Sycamore, Ash and Birch

Age	Yield Class 120			Yield Class 100			Yield Class 80			Yield Class 60			Yield Class 40			Age
	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	Volume per acre per annum, h. ft.	Basal area per ac. per ann. sq. ft. q.g.	Tariff Number	
13	45	4.6	19													13
14	61	5.3	20	37	4.3	18										14
15	74	5.7		51	5.0	19										15
16	84	5.4	21	62	5.3	20	30	3.7	18							16
17	84	5.2		70	5.1		41	4.3	19							17
18	84	5.0	22	70	4.8	21	49	4.6		22	3.3	17				18
19	84	4.8	23	70	4.6		56	4.4	20	31	3.9	18				19
20	84	4.6		70	4.4	22	56	4.2		40	4.2	19				20
21	84	4.4	24	70	4.2		56	4.0	21	42	4.0					21
22	84	4.3		70	4.0	23	56	3.8		42	3.6	20	15	2.3	17	22
23	84	4.2	25	70	3.8		56	3.6	22	42	3.3		20	2.7	18	23
24	84	4.1		70	3.7	24	56	3.4		42	3.1		25	3.0		24
25	84	3.9	26	70	3.6		56	3.3	23	42	3.0	21	28	2.7	19	25
26	84	3.8		70	3.4	25	56	3.2		42	2.9		28	2.6		26
27	84	3.7	27	70	3.3		56	3.1	24	42	2.8	22	28	2.5		27
28	84	3.6		70	3.2	26	56	3.0		42	2.7		28	2.4	20	28
29	84	3.6	28	70	3.2		56	2.9		42	2.6		28	2.3		29
30	84	3.5		70	3.1		56	2.8	25	42	2.5	23	28	2.2		30
31	84	3.4		70	3.0	27	56	2.7		42	2.4		28	2.1		31
32	84	3.4	29	70	3.0		56	2.6		42	2.3		28	2.0	21	32
33	84	3.3		70	2.9		56	2.5	26	42	2.2	24	28	1.9		33
34	84	3.3		70	2.9	28	56	2.5		42	2.2		28	1.9		34
35	84	3.2	30	70	2.8		56	2.4		42	2.1		28	1.8		35
36	84	3.2		70	2.8		56	2.4		42	2.0		28	1.7	22	36
37	84	3.2		70	2.8	29	56	2.4	27	42	2.0	25	28	1.7		37
38	84	3.1	31	70	2.7		56	2.3		42	2.0		28	1.7		38
39	84	3.1		70	2.7		56	2.3		42	2.0		28	1.7		39
40	84	3.1		70	2.7		56	2.3		42	1.9		28	1.6	23	40
41				70	2.6	30	56	2.3	28	42	1.9		28	1.6		41
42			32				56	2.3		42	1.9	26	28	1.6		42
43										42	1.9		28	1.6		43
44										42	1.9		28	1.6		44
45	56	2.0		52	2.0	31	46	1.9	29	38	1.8		28	1.5	24	45
46													28	1.5		46
47			33										28	1.5		47
48												27	28	1.5		48
49																49
50	44	1.5		39	1.5		34	1.4		29	1.3		24	1.3		50
51						32										51
52									30							52
53			34												25	53
54																54
55	38	1.3		33	1.2		28	1.1		23	1.0	28	18	0.9		55
56																56
57																57
58																58
59						33										59
60	34	1.2		29	1.0		24	0.9	31	19	0.8		14	0.7		60
61			35													61
62																62
63																63
64																64
65							22	0.8		17	0.7	29	12	0.6		65
66															26	66
67																67
68																68
69																69
70										15	0.6		10	0.5		70
71																71
72																72
73																73
74																74
75													8	0.4		75

Production Forecast Tables

NOTE

The volume yields in these tables relate to one acre of woodland *including* the unproductive area in the form of roads, rides, and gaps within the stand. A reduction of 15% on the yield table values has been made as an average allowance for such areas.

Scots Pine

THINNING YIELDS

Age	Yield Class 160				Yield Class 140				Yield Class 120				Age
	Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			
		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches	
21	3	96				84							21
22		96				84							22
23		96			3	84							23
24		96	1			84				72			24
25		96	2			84			3	72			25
26	4	96	4			84				72			26
27		96	6			84				72			27
28		96	8			84	1			72			28
29		96	10		4	84	2			72			29
30	5	96	13	1		84	4			72			30
31		96	17	2		84	6			72			31
32		96	21	3		84	8		4	72	1		32
33		96	25	5		84	10			72	2		33
34	6	96	30	7	5	84	13	1		72	3		34
35		96	37	10		84	16	2		72	5		35
36		96	44	13		84	19	3		72	7		36
37		96	51	16		84	23	4		72	9		37
38	7	96	57	19	6	84	28	6	5	72	11		38
39		96	62	22		84	33	8		72	13	1	39
40		96	66	26		84	38	10		72	16	2	40
41		96	69	31		84	43	13		72	19	3	41
42	8	96	72	36	7	84	48	16		72	22	4	42
43		96	75	41		84	52	19	6	72	25	5	43
44		96	78	46		84	56	22		72	28	7	44
45		96	80	51		84	59	25		72	32	8	45
46	9	96	82	56	8	84	62	29		72	35	10	46
47		96	83	60		84	64	33		72	38	12	47
48		96	84	63		84	66	37	7	72	41	14	48
49		96	85	66		84	68	41		72	44	17	49
50	10	96	86	69		84	70	44		72	47	20	50
51		96	87	71	9	84	71	47		72	50	22	51
52		**96**	**88**	**73**		84	72	50		72	52	25	52
53		96	88	75		84	73	53	8	72	54	27	53
54	11	96	89	77		84	74	56		72	56	30	54
55		96	89	78		84	75	58		72	57	32	55
56		96	90	79	10	**84**	**76**	**60**		72	58	35	56
57		96	90	80		84	77	62		72	60	38	57
58	12	96	91	81		84	77	63	9	72	61	40	58
59		96	91	82		84	78	65		72	62	42	59
60		96	92	83		84	78	67		**72**	**63**	**44**	60
61		96	92	84	11	84	78	68		72	64	46	61
62		96	92	85		84	79	69		72	64	48	62
63	13	96	92	85		84	79	70	10	72	65	50	63
64		96	92	86		84	79	71		72	65	51	64
65		96	92	86		84	79	71		72	65	52	65
66		96	92	86	12	84	80	72		72	66	53	66
67						84	80	72		72	66	54	67
68						84	80	73		72	66	55	68
69						84	80	73	11	72	67	56	69
70										72	67	57	70
71										72	67	58	71
72										72	67	59	72
73													73
74													74
75													75
76													76
77													77

Scots Pine

THINNING YIELDS

Age	Yield Class 100				Yield Class 80				Yield Class 60				Age
	Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			
		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches	
26													26
27		60											27
28		60											28
29	3	60											29
30		60				48							30
31		60				48							31
32		60				48							32
33		60				48							33
34		60			3	48							34
35		60				48				36			35
36		60	1			48				36			36
37	4	60	1			48				36			37
38		60	2			48				36			38
39		60	3			48				36			39
40		60	4			48			3	36			40
41		60	5			48				36			41
42		60	7			48				36			42
43	5	60	8		4	48				36			43
44		60	10			48	1			36			44
45		60	11			48	1			36			45
46		60	13	1		48	2			36			46
47		60	15	1		48	3			36			47
48		60	17	2		48	4			36			48
49	6	60	20	3		48	5			36			49
50		60	22	4		48	6			36			50
51		60	24	5	5	48	7			36			51
52		60	27	6		48	8		4	36			52
53		60	29	7		48	9			36			53
54		60	32	9		48	10	1		36	1		54
55	7	60	34	11		48	11	1		36	1		55
56		60	36	12		48	12	2		36	2		56
57		60	38	14		48	14	2		36	2		57
58		60	40	16		48	15	3		36	3		58
59		60	42	18	6	48	17	3		36	3		59
60		60	43	20		48	18	4		36	4		60
61		60	45	22		48	20	4		36	4		61
62	8	60	46	24		48	21	5	5	36	5		62
63		60	47	26		48	23	6		36	5		63
64		60	48	28		48	24	7		36	6		64
65		60	49	30		48	26	8		36	7		65
66		60	50	31		48	27	9		36	7		66
67		60	50	33	7	48	28	10		36	8		67
68		60	51	34		48	30	11		36	9		68
69	9	60	51	35		48	31	12		36	10	1	69
70		60	52	36		48	32	13		36	10	1	70
71		60	52	38		48	33	14		36	11	1	71
72		60	52	39		48	34	15		36	12	2	72
73		60	53	40		48	35	16	6	36	13	2	73
74		60	53	41		48	36	18		36	14	2	74
75		60	53	42	8	48	36	19		36	15	3	75
76						48	37	20		36	15	3	76
77						48	37	21		36	16	4	77
78						48	37	22		36	17	4	78
79						48	38	23		36	18	5	79
80										36	18	5	80
81										36	19	6	81
82										36	20	7	82
83										36	21	7	83

Scots Pine

FELLING YIELDS

Age	Yield Class 160				Yield Class 140				Yield Class 120				Age
	Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			
		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches	
25	4¾	1400	90		4	1200	40						25
30	6	1800	600	90	5	1500	250		4¼	1250	60		30
35	7¼	2200	1400	550	6¼	1900	800	150	5¼	1550	300	20	35
40	8½	2650	2150	1300	7½	2300	1550	700	6¼	1900	850	200	40
45	9¾	3100	2750	2100	8¾	2700	2250	1450	7½	2300	1550	700	45
50	11	3500	3200	2750	9¾	3100	2750	2100	8½	2650	2100	1300	50
55	12¼	3850	3650	3300	10¾	3450	3150	2700	9½	3000	2550	1900	55
60	13¼	4200	4050	3750	11¾	3750	3550	3150	10¼	3300	2950	2400	60
65	**14¼**	**4500**	**4350**	**4100**	12¾	4050	3850	3550	11	3550	3300	2850	65
70	15	4800	4650	4450	**13½**	**4300**	**4150**	**3900**	11¾	3750	3550	3200	70
75	15¾	5100	4950	4700	14¼	4550	4400	4150	**12½**	**3950**	**3800**	**3500**	75
80	16½	5350	5200	4950	15	4750	4650	4400	13¼	4150	4000	3750	80
85	17	5550	5400	5200	15½	4950	4850	4600	13¾	4350	4200	3950	85
90	17½	5700	5600	5400	16	5150	5000	4800	14¼	4500	4350	4100	90
95	18	5850	5750	5550	16½	5300	5150	4950	14½	4650	4500	4250	95
100	18½	6000	5900	5650	16¾	5400	5300	5050	14¾	4750	4650	4400	100

FELLING YIELDS (*contd*)

Age	Yield Class 100				Yield Class 80				Yield Class 60				Age
	Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			
		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches	
25													25
30													30
35	4¼	1250	70										35
40	5¼	1550	300	20	4½	1200	60						40
45	6¼	1900	800	150	5	1450	200		3⅜	1050	10		45
50	7¼	2200	1350	450	5¾	1700	500	80	4¼	1250	80		50
55	8	2500	1850	950	6½	2000	950	250	5	1500	200		55
60	8¾	2750	2250	1500	7¼	2250	1400	550	5½	1700	450	60	60
65	9½	3000	2600	1950	7¾	2450	1800	900	6	1900	800	170	65
70	10¼	3200	2900	2350	8½	2650	2150	1300	6½	2100	1150	350	70
75	**10¾**	**3400**	**3150**	**2650**	9	2850	2400	1650	7	2250	1450	550	75
80	11¼	3600	3350	2900	9½	**3000**	**2600**	**1950**	7½	2400	1700	800	80
85	11¾	3750	3550	3150	10	3150	2750	2200	**8**	**2500**	**1900**	**1000**	85
90	12¼	3850	3700	3350	10¼	3250	2900	2400	8¼	2600	2050	1200	90
95	12½	3950	3800	3500	10½	3350	3050	2550	8½	2700	2150	1350	95
100	12¾	4050	3900	3650	10¾	3400	3150	2700	8¾	2750	2250	1500	100

Corsican Pine

THINNING YIELDS

Age	Yield Class 220				Yield Class 200				Yield Class 180				Age
	Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			
		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches	
18		132	2										18
19		132	2			120							19
20		132	3			120	1			108			20
21	4	132	5			120	1			108			21
22		132	8		4	120	3			108			22
23		132	11			120	5			108	1		23
24	5	132	16			120	8		4	108	3		24
25		132	21	1		120	12			108	5		25
26		132	28	3	5	120	16	1		108	7		26
27		132	36	5		120	22	2		108	10		27
28	6	132	45	8		120	28	3	5	108	14		28
29		132	55	12		120	35	5		108	18	1	29
30		132	64	16	6	120	42	8		108	23	2	30
31		132	72	21		120	49	11		108	29	3	31
32	7	132	79	26		120	56	14	6	108	34	5	32
33		132	85	33		120	63	18		108	40	7	33
34		132	90	39	7	120	69	22		108	46	10	34
35		132	95	46		120	74	27		108	52	13	35
36	8	132	99	52		120	79	32		108	57	16	36
37		132	102	58		120	83	37	7	108	61	20	37
38		132	105	64	8	120	87	43		108	66	24	38
39		132	108	70		120	91	48		108	70	28	39
40	9	132	110	75		120	94	53		108	74	32	40
41		132	112	79		120	96	58		108	77	36	41
42		132	114	83		120	99	62	8	108	80	40	42
43		132	116	87	9	120	100	66		108	83	44	43
44	10	132	117	91		120	102	70		108	85	48	44
45		132	118	94		120	103	74		108	87	52	45
46		132	119	97		120	104	77		108	88	55	46
47		132	120	99		120	105	80		108	90	58	47
48		132	121	101	10	120	106	82	9	108	91	61	48
49	11	132	122	103		120	107	85		108	92	64	49
50		132	122	105		120	108	87		108	93	67	50
51		132	122	107		120	109	89		108	94	69	51
52		132	123	108		120	109	91		108	95	72	52
53		132	123	110	11	120	110	93		108	96	74	53
54						120	111	94	10	108	96	76	54
55										108	97	78	55
56													56
57													57
58													58
59													59
60													60

Corsican Pine

THINNING YIELDS

Age	Yield Class 160				Yield Class 140				Yield Class 120				Age
	Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			
		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches	
18													18
19													19
20													20
21		96											21
22		96				84							22
23		96				84							23
24		96	1			84				72			24
25	4	96	2			84	1			72			25
26		96	4			84	1			72			26
27		96	5			84	2			72			27
28		96	7		4	84	3			72			28
29		96	10			84	4			72			29
30	5	96	12			84	5			72	1		30
31		96	16			84	7		4	72	1		31
32		96	19	1		84	9			72	2		32
33		96	23	2	5	84	11			72	3		33
34		96	27	3		84	13			72	4		34
35	6	96	31	5		84	16	1		72	5		35
36		96	36	7		84	19	2		72	6		36
37		96	40	9		84	22	3		72	8		37
38		96	45	11		84	26	4	5	72	9		38
39		96	49	13	6	84	29	5		72	11		39
40		96	53	16		84	33	6		72	13	1	40
41	7	96	57	19		84	36	8		72	15	1	41
42		96	60	23		84	40	10		72	18	2	42
43		96	63	26		84	43	12		72	21	3	43
44		96	66	29		84	47	14		72	23	4	44
45		96	69	33		84	49	16	6	72	26	5	45
46		**96**	**71**	**36**	7	84	52	18		72	29	6	46
47	8	96	73	39		84	54	20		72	31	8	47
48		96	74	41		**84**	**56**	**22**		72	34	9	48
49		96	76	44		84	57	25		72	36	10	49
50		96	77	47		84	59	27		**72**	**38**	**12**	50
51		96	78	49		84	60	29		72	40	13	51
52		96	80	51		84	62	31		72	42	15	52
53		96	81	53	8	84	63	33	7	72	44	16	53
54	9	96	82	56		84	64	35		72	46	18	54
55		96	83	58		84	65	38		72	47	19	55
56		96	83	60		84	66	40		72	48	21	56
57						84	67	41		72	50	22	57
58						84	68	43		72	51	24	58
59										72	52	25	59
60										72	53	26	60
61													61
62													62
63													63
64													64
65													65
66													66

Corsican Pine

THINNING YIELDS

Age	Yield Class 100				Yield Class 80				Age
	Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			
		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches	
18									18
19									19
20									20
21									21
22									22
23									23
24									24
25									25
26	3	60							26
27		60							27
28		60							28
29		60							29
30		60				48			30
31		60				48			31
32		60				48			32
33		60			3	48			33
34		60	1			48			34
35	4	60	1			48			35
36		60	2			48			36
37		60	3			48			37
38		60	3			48			38
39		60	4			48			39
40		60	5			48			40
41		60	6			48			41
42		60	7		4	48	1		42
43		60	9			48	1		43
44	5	60	10			48	2		44
45		60	11	1		48	2		45
46		60	13	1		48	3		46
47		60	14	1		48	3		47
48		60	15	2		48	4		48
49		60	17	2		48	4		49
50		60	18	3		48	5		50
51		60	20	3		48	6		51
52		60	21	4		48	7		52
53	6	60	23	5	5	48	8	1	53
54		60	24	5		48	8	1	54
55		60	26	6		48	9	1	55
56		60	27	7		48	10	1	56
57		60	28	7		48	11	1	57
58		60	30	8		48	12	2	58
59		60	31	9		48	13	2	59
60		60	32	10		48	14	2	60
61		60	33	11		48	15	3	61
62	7	60	35	12		48	16	3	62
63		60	36	13		48	17	3	63
64						48	18	4	64
65					6	48	19	4	65
66						48	20	4	66

Corsican Pine

FELLING YIELDS

Age	Yield Class 220				Yield Class 200				Yield Class 180				Age
	Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			
		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches	
20	4¾	1700	200										20
25	6¼	2200	950	200	5¾	2050	600	100	5¼	1850	400	50	25
30	7½	2800	1950	850	7	2600	1550	550	6½	2350	1150	300	30
35	8¾	3400	2850	1800	8¼	3150	2450	1350	7½	2850	1950	850	35
40	10	3950	3550	2800	9¼	3650	3150	2200	8½	3300	2700	1600	40
45	11	4450	4150	3550	10¼	4100	3700	2950	9½	3700	3250	2400	45
50	12	4950	4700	4200	11¼	4500	4250	3600	10¼	4100	3750	3050	50
55	**12¾**	**5400**	**5150**	**4750**	**12**	**4950**	**4700**	**4200**	**11**	**4500**	**4200**	**3600**	55
60	13¼	5800	5600	5250	12¾	5350	5100	4700	11¾	4850	4600	4100	60
65	14¼	6250	6050	5700	13½	5700	5500	5150	12½	5200	4950	4500	65
70	15	6650	6450	6100	14	6050	5850	5500	13	5500	5300	4900	70
75	15½	6950	6750	6450	14½	6350	6200	5850	13½	5750	5550	5200	75
80	16	7200	7050	6700	15	6600	6450	6100	13¾	5950	5750	5400	80

FELLING YIELDS (*contd*)

Age	Yield Class 160				Yield Class 140				Yield Class 120				Age
	Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			
		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches	
25													25
30	5¾	2100	750	150	5½	1900	450	50	4¾	1650	200		30
35	6¾	2550	1500	550	6¼	2300	1050	250	5½	2000	600	100	35
40	7¾	3000	2200	1100	7	2650	1700	650	6¼	2350	1100	300	40
45	8¾	3350	2800	1800	7¾	3000	2250	1200	7	2650	1650	600	45
50	9¼	3700	3250	2400	8½	3300	2750	1750	7¾	2900	2100	1000	50
55	10¼	**4050**	**3650**	**2950**	9¼	3600	3150	2250	8¼	3150	2500	1400	55
60	10¾	4400	4050	3400	**10**	**3900**	**3500**	**2750**	**8¾**	**3450**	**2850**	**1900**	60
65	11¼	4700	4400	3850	10½	4200	3800	3150	9¼	3650	3200	2300	65
70	11¾	4950	4700	4200	11	4450	4100	3500	9¾	3900	3450	2650	70
75	12¼	5200	4950	4500	11¼	4650	4300	3750	10¼	4050	3700	2950	75
80	12¾	5350	5100	4750	11½	4800	4500	4000	10½	4200	3850	3150	80

Corsican Pine

FELLING YIELDS (*contd*)

Age	Yield Class 100				Yield Class 80				Age
	Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			
		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches	
25									25
30	4¼	1400	50						30
35	5	1700	250		4¼	1400	50		35
40	5¾	2000	600	100	4¾	1650	200		40
45	6¼	2250	1000	200	5¼	1850	400	50	45
50	6¾	2500	1400	450	5¾	2100	700	100	50
55	7¼	2750	1800	750	6¼	2300	1050	250	55
60	7¾	2950	2200	1100	6¾	2500	1400	450	60
65	8¼	**3150**	**2500**	**1450**	7¼	**2650**	**1700**	**650**	65
70	8¾	3350	2800	1750	7½	2850	1950	850	70
75	9	3500	3000	2050	7¾	2950	2150	1050	75
80	9¼	3650	3150	2200	8	3050	2300	1200	80

Lodgepole Pine

THINNING YIELDS

Age	Yield Class 140				Yield Class 120				Yield Class 100				Age
	Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			
		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches	
20	3	84											20
21		84											21
22		84			3	72							22
23		84	1			72							23
24		84	1			72			3	60			24
25	4	84	2			72				60			25
26		84	3			72				60			26
27		84	4			72	1			60			27
28		85	5		4	72	1			60			28
29		84	7	1		72	2			60			29
30		84	9	1		72	3			60			30
31	5	84	11	1		72	4			60			31
32		84	14	2		72	5		4	60	1		32
33		84	17	2		72	6			60	1		33
34		84	20	3		72	8			60	2		34
35		84	23	4	5	72	10			60	2		35
36		84	26	5		72	12			60	3		36
37	6	84	30	6		72	14	1		60	4		37
38		84	34	7		72	16	1		60	5		38
39		84	38	9		72	18	2		60	6		39
40		84	41	11		72	20	2		60	7		40
41		84	44	13		72	22	3	5	60	8		41
42		84	47	15	6	72	25	4		60	9		42
43	7	84	50	17		72	28	5		60	10	1	43
44		84	53	20		72	31	6		60	11	1	44
45		84	56	23		72	33	7		60	12	1	45
46		84	58	26		72	35	9		60	14	2	46
47		84	60	28		72	37	11		60	15	2	47
48		84	62	30		72	39	13		60	17	3	48
49	8	84	64	32	7	72	41	14		60	18	3	49
50		84	66	34		72	43	16	6	60	20	4	50
51		84	68	36		72	45	18		60	22	5	51
52		84	70	38		72	47	20		60	23	6	52
53		84	71	40		72	49	22		60	24	7	53
54		84	72	41		72	51	23		60	26	8	54
55	9	84	73	42		72	53	24		60	27	9	55
56		84	74	43		72	55	25		60	29	10	56
57					8	72	56	26		60	30	11	57
58						72	57	27		60	32	12	58
59						72	58	28	7	60	33	13	59
60										60	35	13	60
61										60	36	14	61
62										60	37	15	62
63													63
64													64
65													65
66													66
67													67
68													68
69													69
70													70
71													71
72													72
73													73

Lodgepole Pine

THINNING YIELDS

Age	Yield Class 80				Yield Class 60				Age
	Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			
		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches	
20									20
21									21
22									22
23									23
24									24
25									25
26									26
27									27
28	3	48							28
29		48							29
30		48							30
31		48							31
32		48							32
33		48							33
34		48			3	36			34
35		48				36			35
36		48				36			36
37		48				35			37
38	4	48				36			38
39		48	1			36			39
40		48	1			36			40
41		48	1			36			41
42		48	2			36			42
43		48	2			36			43
44		48	3			36			44
45		48	3			36			45
46		48	4			36	1		46
47		48	4			36	1		47
48		48	5			36	1		48
49	5	48	6		4	36	1		49
50		48	7	1		36	1		50
51		48	8	1		36	2		51
52		48	9	1		36	2		52
53		48	9	1		36	2		53
54		48	10	1		36	2		54
55		48	11	2		36	3		55
56		48	12	2		36	3		56
57		48	12	2		36	3		57
58		48	13	2		36	3		58
59		48	14	3		36	4		59
60		48	14	3		36	4		60
61	6	48	15	3		36	4		61
62		48	16	4		36	4		62
63		48	16	4		36	4		63
64		48	17	4	5	36	5		64
65		48	18	5		36	5		65
66		48	18	5		36	5		66
67		48	19	5		36	5		67
68						36	5		68
69						36	6		69
70						36	6	1	70
71						36	6	1	71
72						36	6	1	72
73						36	6	1	73

Lodgepole Pine

FELLING YIELDS

Age	Yield Class 140				Yield Class 120				Yield Class 100				Age
	Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			
		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches	
25	4¾	1550	200		4½	1350	50						25
30	5¾	2000	650	100	5¾	1750	300		4½	1500	100		30
35	6¾	2400	1300	400	6	2100	750	100	5¼	1800	300	50	35
40	7½	2700	1900	700	6¾	2400	1250	350	5¾	2100	700	150	40
45	8¼	3000	2400	1400	7½	2650	1750	800	6¼	2300	1150	350	45
50	9¼	3200	2750	1950	8¼	2850	2200	1250	7	2500	1550	600	50
55	10	3450	3100	2400	8¾	3100	2550	1700	7¾	2700	1900	900	55
60	10¾	3700	3350	2800	9¼	3300	2850	2100	8¼	2900	2250	1250	60
65	11¼	3900	3650	3150	10	3500	3100	2450	8¾	3050	2500	1600	65
70	12	4100	3900	3500	10¼	3650	3350	2800	9¼	3200	2750	1950	70
75	12¾	4300	4150	3800	11	3800	3550	3100	9¾	3350	2950	2200	75
80	13¼	4500	4350	4050	11½	3950	3750	3350	10	3500	3150	2500	80

FELLING YIELDS (*contd*)

Age	Yield Class 80				Yield Class 60				Age
	Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			
		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches	
25									25
30	4	1250							30
35	4½	1500	100		3¾	1150			35
40	5	1700	300		4¼	1350	50		40
45	5½	1950	500	50	4¾	1550	150		45
50	6	2100	800	150	5	1700	250		50
55	6½	2300	1100	300	5¼	1850	400	50	55
60	7	2450	1450	500	5¾	1950	550	50	60
65	7½	2600	1750	700	6¼	2100	750	100	65
70	7¾	2700	2000	950	6¼	2250	1000	200	70
75	8¼	2850	2250	1200	6¾	2350	1250	350	75
80	8¼	3000	2450	1450	7	2450	1500	500	80

Sitka Spruce

THINNING YIELDS

Age	Yield Class 280				Yield Class 260				Yield Class 240				Age
	Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			
		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches	
18	4	168	2		4	156	1						18
19		168	7			156	3		4	144	1		19
20		168	12			156	7			144	2		20
21		168	18	1		156	11			144	4		21
22		168	25	2		156	16			144	8		22
23	5	168	33	3		156	21			144	11		23
24		168	41	5	5	156	26	1		144	15		24
25		168	49	8		156	33	2		144	20	1	25
26	6	168	58	12		156	39	5	5	144	25	1	26
27		168	68	16		156	47	7		144	31	2	27
28		168	78	21	6	156	55	10		144	37	4	28
29		168	88	27		156	63	14		144	43	6	29
30	7	168	98	34		156	73	19	6	144	50	9	30
31		168	108	43	7	156	83	25		144	58	13	31
32		168	117	53		156	92	32		144	66	18	32
33	8	168	124	63		156	100	39		144	74	23	33
34		168	130	73		156	107	47	7	144	82	29	34
35		168	135	82		156	114	56		144	90	35	35
36		168	139	90	8	156	119	65		144	97	42	36
37	9	168	143	97		156	123	73		144	103	49	37
38		168	146	104		156	127	80	8	144	108	56	38
39		168	148	110	9	156	131	88		144	112	63	39
40	10	168	150	115		156	134	94		144	116	69	40
41		168	152	120		156	136	100		144	119	75	41
42		168	153	124		156	138	104	9	144	121	81	42
43		168	155	128	10	156	140	109		144	123	86	43
44	11	168	156	132		156	142	113		144	125	90	44
45		168	157	136		156	143	116		144	127	95	45
46		168	158	140		156	144	120	10	144	129	98	46
47					11	156	145	123		144	130	102	47
48										144	131	105	48
49										144	133	108	49
50													50
51													51
52													52
53													53
54													54
55													55

Sitka Spruce

THINNING YIELDS

Age	Yield Class 220				Yield Class 200				Yield Class 180				Age
	Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			
		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches	
18													18
19	4	132											19
20		132			4	120							20
21		132	1			120			4	108			21
22		132	2			120	1			108			22
23		132	4			120	2			108	1		23
24		132	7			120	3			108	1		24
25		132	10			120	5			108	2		25
26		132	14			120	7			108	3		26
27	5	132	18			120	10			108	5		27
28		132	23	1		120	13			108	6		28
29		132	28	2	5	120	17			108	8		29
30		132	33	3		120	21	1		108	11		30
31		132	39	6		120	25	2	5	108	13	1	31
32	6	132	45	8		120	29	3		108	16	1	32
33		132	51	11		120	33	5		108	20	2	33
34		132	58	15		120	38	7		108	23	3	34
35		132	65	19	6	120	43	9		108	27	4	35
36		132	72	24		120	49	12		108	31	5	36
37	7	132	79	29		120	55	15	6	108	35	7	37
38		132	85	34		120	60	18		108	40	9	38
39		132	90	40		120	66	22		108	44	11	39
40		132	94	46	7	120	71	26		108	49	13	40
41	8	132	98	51		120	76	30		108	53	16	41
42		132	102	57		120	80	35		108	57	19	42
43		132	105	62		120	83	40	7	108	61	22	43
44		132	108	67		120	87	44		108	65	25	44
45	9	132	110	72	8	120	90	48		108	68	28	45
46		132	112	77		120	92	53		108	71	31	46
47		132	114	81		120	95	57		108	74	35	47
48		132	116	85		120	97	61		108	77	38	48
49		132	118	89		120	99	65	8	108	79	42	49
50	10	132	119	92	9	120	101	68		108	82	45	50
51		132	120	95		120	103	72		108	84	48	51
52						120	105	75		108	86	51	52
53						120	106	78		108	88	54	53
54										108	89	57	54
55									9	108	91	60	55
56													56
57													57
58													58
59													59
60													60

Sitka Spruce

THINNING YIELDS

Age	Yield Class 160				Yield Class 140				Age
	Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			
		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches	
21									21
22	4	96							22
23		96			4	84			23
24		96				84			24
25		96				84			25
26		96	1			84			26
27		96	2			84			27
28		96	3			84	1		28
29		96	4			84	1		29
30		96	5			84	2		30
31		96	7			84	3		31
32		96	8			84	3		32
33		96	10			84	5		33
34	5	96	13	1		84	6		34
35		96	15	1		84	7		35
36		96	18	1		84	9		36
37		96	21	2	5	84	11		37
38		96	25	3		84	13	1	38
39		96	28	4		84	15	1	39
40		96	32	5		84	17	1	40
41	6	96	35	7		84	19	2	41
42		96	38	8		84	22	3	42
43		96	41	10		84	25	3	43
44		96	45	12		84	27	4	44
45		96	48	14	6	84	30	5	45
46		96	52	16		84	32	7	46
47		96	55	18		84	35	8	47
48	7	96	57	20		84	37	9	48
49		96	60	22		84	40	11	49
50		96	62	25		84	42	12	50
51		96	64	27		84	45	14	51
52		96	66	30		84	47	16	52
53		96	68	32		84	49	18	53
54		96	70	35	7	84	51	19	54
55	8	96	72	38		84	53	21	55
56		96	73	40		84	55	23	56
57		96	75	43		84	56	24	57
58						84	58	26	58
59						84	59	28	59
60									60
61									61
62									62
63									63

Sitka Spruce

THINNING YIELDS

Age	Yield Class 120				Yield Class 100				Age
	Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			
		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches	
18									18
19									19
20									20
21									21
22									22
23									23
24									24
25	4	72							25
26		72				60			26
27		72			4	60			27
28		72				60			28
29		72				60			29
30		72				60			30
31		72				60			31
32		72				60			32
33		72	1			60			33
34		72	1			60			34
35		72	2			60			35
36		72	2			60			36
37		72	3			60	1		37
38		72	4			60	1		38
39		72	5			60	1		39
40		72	7			60	2		40
41	5	72	8			60	2		41
42		72	10	1		60	3		42
43		72	11	1		60	4		43
44		72	13	1		60	4		44
45		72	15	2		60	5		45
46		72	17	2		60	6		46
47		72	19	3	5	60	8	1	47
48		72	21	3		60	9	1	48
49		72	23	4		60	10	1	49
50		72	24	4		60	11	1	50
51	6	72	26	5		60	12	2	51
52		72	28	6		60	13	2	52
53		72	30	6		60	14	2	53
54		72	31	7		60	16	2	54
55		72	33	8		60	17	3	55
56		72	34	9		60	18	3	56
57		72	35	10		60	19	3	57
58		72	37	10		60	20	4	58
59		72	38	11		60	21	4	59
60		72	39	12	6	60	22	4	60
61		72	40	13		60	22	5	61
62						60	23	5	62
63						60	24	5	63

Sitka Spruce

FELLING YIELDS

Age	Yield Class 280				Yield Class 260				Yield Class 240				Age
	Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			
		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches	
20	5	1850	250		4¾	1700	150		4½	1550	100		20
25	6¾	2750	1550	450	6¼	2450	1050	250	5¾	2250	750	100	25
30	8¼	3650	2900	1700	7¾	3300	2400	1150	7¼	3000	1950	750	30
35	10	4450	4000	3100	9¼	4100	3550	2500	8¾	3800	3100	1950	35
40	11½	5100	4800	4250	10¾	4750	4400	3700	10	4400	4000	3150	40
45	12¾	**5650**	**5450**	**5000**	12	5300	5050	4550	11¼	4950	4650	4050	45
50	13¾	6150	6000	5650	**13**	**5800**	**5600**	**5200**	12½	**5400**	**5200**	**4700**	50
55	14¾	6600	6450	6100	14	6250	6050	5700	13½	5850	5650	5250	55
60	15¾	7000	6850	6550	14¾	6650	6450	6150	14	6250	6050	5700	60
65	16½	7350	7200	6900	15¼	6950	6800	6450	14¾	6550	6400	6050	65
70	17¼	7650	7500	7150	16¼	7250	7100	6750	15¼	6850	6650	6350	70
75	17¾	7850	7750	7400	16¾	7450	7300	7000	15¾	7050	6900	6550	75
80	18¼	8050	7950	7600	17¾	7650	7500	7200	16¼	7250	7100	6750	80

FELLING YIELDS (*contd*)

Age	Yield Class 220				Yield Class 200				Yield Class 180				Age
	Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			
		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches	
20	4¼	1400	50										20
25	5¼	1950	450	50	4¾	1750	250		4½	1500	100		25
30	6¾	2700	1450	450	6	2400	950	200	5¼	2100	550	50	30
35	8	3450	2600	1350	7¼	3100	2050	850	6¾	2700	1450	450	35
40	9¼	4050	3500	2500	8¼	3700	2950	1800	7¾	3300	2400	1150	40
45	10¼	4600	4200	3400	9¼	4250	3700	2800	8¾	3850	3200	2000	45
50	11¼	**5050**	**4750**	**4150**	10¼	4650	4300	3500	9¾	4250	3750	2800	50
55	12¼	5450	5200	4700	11¼	**5050**	**4750**	**4150**	10¼	**4650**	**4250**	**3450**	55
60	13	5800	5600	5200	12	5400	5150	4600	11¼	4950	4650	4000	60
65	13¾	6150	5950	5550	12¾	5700	5450	5050	11¾	5250	5000	4400	65
70	14¼	6400	6200	5850	13¼	5950	5750	5350	12¼	5500	5250	4750	70
75	14¾	6600	6450	6100	13¾	6150	5950	5600	12¾	5700	5450	5000	75
80	15¼	6800	6650	6300	14¼	6350	6150	5800	13¼	5850	5650	5250	80

Sitka Spruce

FELLING YIELDS

Age	Yield Class 160				Yield Class 140				Age
	Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			
		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches	
25	4	1300	50						25
30	5	1800	300		4½	1550	150		30
35	6	2350	900	200	5½	2050	500	50	35
40	7	2900	1800	700	6½	2550	1150	300	40
45	8	3400	2600	1350	7¼	3000	1900	750	45
50	8¾	3850	3200	2050	8	3400	2600	1350	50
55	9½	4200	3700	2700	8¾	3750	3100	1950	55
60	10¼	**4500**	**4100**	**3250**	9½	**4050**	**3500**	**2450**	60
65	10¾	4800	4400	3700	9¾	4300	3800	2900	65
70	11½	5050	4700	4050	10¼	4550	4100	3250	70
75	11¾	5250	4950	4350	10½	4750	4350	3600	75
80	12	5400	5100	4600	10¾	4900	4550	3850	80

FELLING YIELDS (*contd*)

Age	Yield Class 120				Yield Class 100				Age
	Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			
		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches	
25									25
30	4	1300	50						30
35	4¾	1700	200		4¼	1400	50		35
40	5¼	2150	600	100	5	1800	250		40
45	6¼	2600	1250	300	5¾	2150	600	50	45
50	7	2950	1600	700	6¼	2450	1050	200	50
55	7¾	3250	2350	1150	6¾	2750	1500	450	55
60	8¼	**3550**	**2800**	**1600**	7¼	3050	1950	750	60
65	8¾	3800	3150	2050	7¾	**3300**	**2350**	**1100**	65
70	9¼	4000	3400	2400	8	3500	2650	1400	70
75	9¼	4200	3650	2700	8¼	3650	2850	1700	75
80	9¾	4350	3850	2950	8¼	3800	3050	1950	80

Norway Spruce

THINNING YIELDS

Age	Yield Class 240				Yield Class 220				Yield Class 200				Age
	Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			
		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches	
20		144											20
21		144				132							21
22		144				132				120			22
23		144	1			132				120			23
24	4	144	4			132	1			120			24
25		144	7		4	132	4			120			25
26		144	10			132	6		4	120	2		26
27		144	14			132	8			120	3		27
28		144	19			132	11			120	5		28
29	5	144	25			132	15			120	7		29
30		144	32	2	5	132	20			120	10		30
31		144	39	6		132	25	1		120	13		31
32		144	47	9		132	30	4	5	120	17		32
33	6	144	57	13		132	37	6		120	22	1	33
34		144	67	18	6	132	45	10		120	27	3	34
35		144	78	23		132	54	13		120	33	5	35
36	7	144	88	29		132	62	18		120	39	7	36
37		144	97	36		132	71	22	6	120	46	10	37
38		144	104	43	7	132	79	27		120	53	14	38
39	8	144	110	51		132	86	32		120	61	18	39
40		144	115	60		132	92	38		120	68	23	40
41		144	119	68		132	97	45	7	120	74	27	41
42	9	144	122	76	8	132	102	52		120	80	33	42
43		144	125	84		132	106	59		120	85	38	43
44		144	127	91		132	110	66		120	89	43	44
45	10	144	129	97	9	132	112	73	8	120	93	49	45
46		144	130	102		132	114	79		120	95	55	46
47		144	132	107		132	116	84		120	98	60	47
48		144	133	111		132	118	89		120	101	65	48
49	11	144	134	114	10	132	119	93	9	120	103	70	49
50		144	135	117		132	120	97		120	104	74	50
51		144	135	119		132	121	100		120	106	78	51
52		144	136	121		132	122	102		120	107	81	52
53	12	144	137	123	11	132	123	105	10	120	108	84	53
54		144	137	125		132	124	107		120	109	87	54
55		144	138	126		132	125	109		120	110	90	55
56		144	138	127		132	125	111		120	110	92	56
57	13	144	139	128	12	132	125	112		120	111	94	57
58		144	139	130		132	126	113	11	120	112	96	58
59		144	139	130		132	126	115		120	112	98	59
60		144	139	131		132	126	116		120	112	100	60
61	14	144	140	132		132	127	116		120	113	101	61
62		144	140	132	13	132	127	117		120	113	102	62
63		144	140	133		132	127	118	12	120	114	103	63
64		144	140	133		132	127	118		120	114	104	64
65		144	140	133		132	128	119		120	114	105	65
66		144	140	133		132	128	119		120	115	105	66
67		144	140	134		132	128	119		120	115	106	67
68						132	128	120		120	115	106	68
69										120	115	106	69
70													70
71													71
72													72
73													73
74													74

Norway Spruce

THINNING YIELDS

Age	Yield Class 180				Yield Class 160				Yield Class 140				Age
	Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			
		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches	
20													20
21													21
22													22
23		108											23
24		108				96							24
25		108				96				84			25
26		108				96				84			26
27		108				96				84			27
28	4	108	2			96				84			28
29		108	3			96				84			29
30		108	5		4	96	2			84			30
31		108	6			96	3			84			31
32		108	9			96	4			84			32
33		108	12			96	6		4	84	2		33
34		108	15			96	7			84	2		34
35	5	108	18	1		96	9			84	3		35
36		108	22	2		96	12			84	4		36
37		108	26	3		96	14			84	6		37
38		108	31	5	5	96	17			84	7		38
39		108	36	7		96	20	1		84	9		39
40	6	108	42	9		96	23	2		84	11		40
41		108	47	12		96	27	3	5	84	13		41
42		108	53	15		96	31	5		84	15		42
43		108	59	18	6	96	34	7		84	17		43
44	7	108	64	22		96	39	9		84	20	1	44
45		108	69	26		96	43	11		84	23	2	45
46		108	73	30		96	47	13		84	26	3	46
47		108	77	34		96	52	16		84	29	4	47
48	8	108	80	39	7	96	56	19	6	84	32	6	48
49		108	83	43		96	60	22		84	35	7	49
50		108	86	48		96	63	25		84	38	9	50
51		108	88	53		96	66	28		84	42	11	51
52		108	90	57		96	69	32		84	45	14	52
53	9	108	92	61	8	96	72	35		84	48	16	53
54		108	94	65		96	74	39	7	84	51	19	54
55		108	95	69		96	76	42		84	54	21	55
56		108	96	72		96	78	46		84	56	24	56
57		108	97	75		96	80	49		84	59	27	57
58	10	108	98	77		96	81	52		84	61	29	58
59		108	98	79	9	96	82	55		84	63	32	59
60		108	99	81		96	83	58	8	84	64	35	60
61		108	100	83		96	84	60		84	66	37	61
62		108	100	84		96	85	63		84	67	40	62
63		108	101	86		96	86	65		84	68	42	63
64	11	108	101	87	10	96	86	67		84	70	45	64
65		108	101	88		96	87	69		84	70	46	65
66		108	102	89		96	88	70	9	84	71	48	66
67		108	102	90		96	88	72		84	72	50	67
68		108	102	91		96	89	73		84	73	52	68
69		108	102	91		96	89	74		84	74	54	69
70		108	102	91		96	90	75		84	74	55	70
71						96	90	76		84	75	57	71
72						96	91	77	10	84	75	58	72
73										84	75	59	73
74										84	76	60	74
75													75
76													76

Norway Spruce

THINNING YIELDS

Age	Yield Class 120				Yield Class 100				Age
	Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			
		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches	
26		72							26
27		72							27
28		72							28
29		72							29
30		72				60			30
31		72				60			31
32		72				60			32
33		72				60			33
34		72				60			34
35		72				60			35
36		72				60			36
37	4	72	1			60			37
38		72	2			60			38
39		72	2			60			39
40		72	3			60			40
41		72	4			60			41
42		72	5		4	60	1		42
43		72	7			60	1		43
44		72	8			60	2		44
45		72	10			60	2		45
46	5	72	11			60	3		46
47		72	13			60	4		47
48		72	15			60	5		48
49		72	17	1		60	6		49
50		72	19	2		60	6		50
51		72	21	2		60	7		51
52		72	23	3	5	60	8		52
53	6	72	26	4		60	10		53
54		72	28	5		60	11		54
55		72	31	7		60	12		55
56		72	33	8		60	13		56
57		72	36	10		60	15	1	57
58		72	38	11		60	16	1	58
59		72	40	13		60	17	2	59
60		72	42	15		60	19	3	60
61	7	72	44	16		60	20	3	61
62		72	46	18	6	60	22	4	62
63		72	48	20		60	24	5	63
64		72	50	22		60	26	6	64
65		72	51	23		60	27	6	65
66		72	52	25		60	29	7	66
67		72	54	27		60	30	8	67
68	8	72	55	29		60	32	9	68
69		72	56	30		60	33	10	69
70		72	56	32		60	34	11	70
71		72	57	33	7	60	35	12	71
72		72	58	35		60	36	13	72
73		72	59	36		60	37	14	73
74		72	59	38		60	38	15	74
75		72	60	39		60	39	16	75
76		72	60	40		60	40	16	76
77		72	61	41		60	41	17	77
78						60	41	17	78
79						60	42	18	79
80						60	42	18	80
81						61	43	19	81

Norway Spruce

FELLING YIELDS

Age	Yield Class 240				Yield Class 220				Yield Class 200				Age
	Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			
		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches	
25	5	1750	200	50									25
30	6½	2450	1150	400	6	2250	800	150	5½	2050	500	50	30
35	8	3250	2450	1200	7½	3000	2000	800	6¾	2700	1500	450	35
40	9½	4000	3500	2550	8¾	3650	3050	1950	8	3350	2550	1300	40
45	11	4650	4300	3700	10	4300	3850	3050	9¼	3900	3400	2450	45
50	12¼	5200	4950	4500	11¼	4850	4500	3950	10½	4450	4050	3350	50
55	13½	5700	5500	5150	12½	5300	5050	4650	11½	4900	4600	4050	55
60	14½	6150	5950	5650	13½	5750	5500	5200	12½	5300	5050	4650	60
65	15½	**6550**	**6400**	**6100**	14½	**6150**	**5950**	**5600**	13½	5700	5450	5100	65
70	16½	6950	6850	6500	15½	6500	6350	6000	14¼	**6050**	**5850**	**5500**	70
75	17¼	7300	7200	6900	16½	6850	6700	6400	15	6350	6200	5900	75
80	18¼	7650	7550	7200	17¼	7200	7050	6750	15¾	6650	6500	6200	80

FELLING YIELDS (*contd*)

Age	Yield Class 180				Yield Class 160				Yield Class 140				Age
	Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			
		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches	
25													25
30	5	1850	300		4½	1600	100						30
35	6	2400	950	200	5½	2100	500	50	5	1850	200		35
40	7¼	3000	1900	750	6½	2650	1250	350	5¾	2300	700	100	40
45	8½	3550	2800	1650	7½	3150	2200	900	6¾	2750	1450	400	45
50	9½	4050	3500	2650	8½	3600	2900	1750	7¾	3150	2200	950	50
55	10½	4450	4050	3350	9½	4000	3500	2550	8½	3550	2850	1700	55
60	11½	4800	4500	3950	10¼	4350	3950	3200	9¼	3850	3300	2350	60
65	12½	5200	4900	4450	11	4700	4350	3750	10	4200	3700	2900	65
70	13	**5500**	**5250**	**4900**	11¾	5000	4700	4200	10¾	4450	4100	3400	70
75	13¾	5850	5650	5300	12½	**5300**	**5050**	**4600**	11¼	**4750**	**4450**	**3850**	75
80	14¼	6150	5950	5650	13	5600	5400	5000	11¾	5050	4750	4200	80

Norway Spruce

FELLING YIELDS

Age	Yield Class 120				Yield Class 100				Age
	Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			
		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches	
25									25
30									30
35	4¼	1550	100						35
40	5	1950	300		4¼	1600	100		40
45	5¾	2350	750	100	5	1900	250		45
50	6½	2700	1400	350	5¾	2250	600	100	50
55	7¼	3050	2100	850	6¼	2550	1100	250	55
60	8	3350	2600	1400	7	2850	1650	550	60
65	8¾	3650	3000	1950	7½	3100	2150	900	65
70	9½	3900	3400	2500	8	3350	2550	1300	70
75	10	4200	3750	2950	8½	3600	2950	1750	75
80	10½	4450	4050	3350	9	3850	3250	2200	80

European Larch

THINNING YIELDS

Age	Yield Class 140				Yield Class 120				Yield Class 100				Age
	Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			
		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches	
17		84											17
18		84	1										18
19	4	84	2			72							19
20		84	3			72	1						20
21		84	4		4	72	2			60			21
22		84	6			72	3			60			22
23	5	84	8			72	4			60	1		23
24		84	11	1		72	6			60	1		24
25		84	15	2		72	8		4	60	2		25
26		84	20	4	5	72	10			60	3		26
27	6	84	27	6		72	13	1		60	4		27
28		84	34	9		72	16	2		60	5		28
29		84	41	12		72	19	3		60	6		29
30		84	48	16	6	72	23	4	5	60	8		30
31	7	84	53	20		72	27	6		60	10		31
32		84	58	25		72	31	8		60	12	1	32
33		84	62	30		72	35	10		60	14	2	33
34		84	65	35		72	39	12		60	17	2	34
35	8	84	67	39	7	72	43	15	6	60	20	3	35
36		84	69	42		72	46	18		60	22	4	36
37		84	70	45		72	49	21		60	24	6	37
38		84	71	48		72	51	24		60	27	7	38
39	9	84	72	51		72	53	27		60	30	9	39
40		84	73	53	8	72	55	30		60	33	10	40
41		84	74	55		72	57	33	7	60	35	12	41
42		84	75	57		72	59	36		60	38	14	42
43	10	84	75	59		72	60	38		60	40	16	43
44		84	76	61		72	61	41		60	42	18	44
45		84	77	63	9	72	62	44		60	44	20	45
46		84	78	65		72	63	46		60	45	22	46
47						72	64	48	8	60	46	24	47
48						72	65	50		60	47	26	48
49										60	48	28	49
50										60	49	29	50
51										60	50	30	51
52													52
53													53
54													54
55													55
56													56
57													57
58													58
59													59
60													60
61													61

European Larch

THINNING YIELDS

Age	Yield Class 80				Yield Class 60				Yield Class 40				Age
	Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			
		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches	
17													17
18													18
19													19
20													20
21													21
22													22
23													23
24		48											24
25		48											25
26		48											26
27		48											27
28		48	1		3	36							28
29	4	48	1			36							29
30		48	2			36							30
31		48	2			36							31
32		48	3			36							32
33		48	4			36							33
34		48	5			36	1			24			34
35		48	6		4	36	1			24			35
36	5	48	7			36	1		3	24			36
37		48	9			36	1			24			37
38		48	10	1		36	2			24			38
39		48	12	1		36	2			24			39
40		48	13	2		36	2			24			40
41		48	15	2		36	3			24			41
42		48	16	3		36	3			24			42
43	6	48	18	3		36	4			24			43
44		48	20	4	5	36	4			24			44
45		48	22	5		36	5			24			45
46		48	23	6		36	6			24			46
47		48	25	7		36	6		4	24			47
48		48	26	8		36	7	1		24	1		48
49		48	28	9		36	8	1		24	1		49
50	7	48	29	10		36	9	1		24	1		50
51		48	30	11		36	10	1		24	1		51
52		48	31	12		36	10	1		24	1		52
53		48	32	13		36	11	2		24	2		53
54		48	33	14		36	11	2		24	2		54
55					6	36	12	2		24	2		55
56						36	13	2		24	2		56
57						36	14	2		24	2		57
58										24	3		58
59										24	3		59
60										24	3		60
61									5	24	3		61

European Larch

FELLING YIELDS

Age	Yield Class 140				Yield Class 120				Yield Class 100				Age
	Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			
		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches	
25	6¼	1600	750	200	5¾	1350	400	50					25
30	7¾	2000	1350	700	7	1700	1000	300	6	1450	500	100	30
35	9	2350	1950	1350	8	2050	1550	800	7	1750	1000	350	35
40	10¼	2650	2400	1950	9	2350	2000	1350	8	2000	1500	750	40
45	11¼	2900	2750	2350	10	2600	2350	1850	8¾	2250	1850	1200	45
50	12¼	3150	3000	2750	10¾	2800	2600	2250	9½	2450	2150	1550	50
55	13	3400	3250	3000	11¼	3000	2850	2550	10¼	2600	2350	1900	55
60	13¾	3550	3450	3250	12¼	3150	3050	2750	10¾	2750	2550	2150	60
65	14¼	3700	3600	3450	13	3300	3200	2950	11¼	2900	2700	2350	65
70	15¼	3850	3750	3600	13¾	3450	3350	3100	11¾	3000	2850	2500	70
75	15¾	3950	3900	3700	14	3550	3450	3250	12	3100	2950	2650	75
80	16¼	4050	4000	3800	14¼	3650	3550	3350	12¼	3200	3050	2800	80
85	16¾	4150	4100	3900	14¼	3750	3650	3450	12¾	3300	3150	2900	85
90	17	4250	4150	3950	14¾	3800	3700	3500	13	3350	3200	2950	90
95	17¼	4300	4200	4000	15	3850	3750	3550	13¼	3400	3250	3000	95
100	17½	4300	4250	4050	15¼	3900	3800	3600	13¼	3400	3300	3050	100

FELLING YIELDS (*contd*)

Age	Yield Class 80				Yield Class 60				Yield Class 40				Age
	Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			
		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches	
25													25
30	5	1150	150										30
35	5¾	1400	450	50	4¾	1050	100						35
40	6¾	1650	850	250	5¾	1300	300		4¼	900	50		40
45	7¼	1850	1250	500	6	1450	550	100	4¾	1050	100		45
50	8	2050	1550	850	6¼	1600	800	250	5¼	1200	200		50
55	8¾	2200	1800	1150	7	1750	1050	400	5¼	1300	300		55
60	9¼	2350	2050	1450	7¼	1900	1300	600	5¾	1400	450	50	60
65	9¾	2450	2200	1650	8	2000	1450	750	6	1500	600	100	65
70	10	2550	2300	1800	8¼	2100	1600	900	6¼	1550	700	150	70
75	10¼	2650	2400	1950	8¼	2150	1750	1050	6¼	1600	800	200	75
80	10½	2750	2500	2050	8¾	2200	1850	1150	6¼	1650	850	250	80
85	10¾	2800	2550	2150	8¾	2250	1900	1200	6¾	1700	900	300	85
90	11	2850	2600	2250	9	2300	1950	1250	6¾	1700	950	300	90
95	11	2850	2650	2300	9	2300	1950	1300	7	1700	950	300	95
100	11¼	2900	2700	2350	9¼	2300	1950	1350	7	1700	1000	350	100

Japanese Larch and Hybrid Larch

THINNING YIELDS

Age	Yield Class 160				Yield Class 140				Yield Class 120				Age
	Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			
		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches	
14		96											14
15		96				84							15
16		96	2			84				72			16
17	4	96	4			84				72			17
18		96	7		4	84	1			72			18
19		96	10			84	3			72	1		19
20	5	96	13	1		84	6		4	72	2		20
21		96	17	2		84	8			72	3		21
22		96	23	3	5	84	12			72	5		22
23	6	96	29	5		84	16	1		72	7		23
24		96	36	7		84	20	2		72	8		24
25		96	43	10		84	25	3	5	72	11		25
26		96	51	14	6	84	30	5		72	14	1	26
27	7	96	57	18		84	35	8		72	17	2	27
28		96	62	23		84	40	10		72	20	2	28
29		96	66	28		84	44	13		72	23	3	29
30		96	69	33	7	84	48	16	6	72	26	5	30
31	8	96	72	38		84	52	18		72	30	7	31
32		96	75	42		84	55	22		72	33	8	32
33		96	77	47		84	58	26		72	36	10	33
34		96	79	51		84	61	29		72	40	13	34
35	9	96	81	55	8	84	63	33	7	72	43	15	35
36		96	83	58		84	65	37		72	46	18	36
37		96	84	62		84	67	41		72	49	20	37
38		96	85	65		84	69	44		72	51	23	38
39	10	96	86	67		84	70	47		72	53	26	39
40		96	87	70	9	84	71	49	8	72	54	28	40
41		96	88	72		84	72	52		72	56	31	41
42						84	73	54		72	57	33	42
43										72	58	35	43
44													44
45													45
46													46
47													47
48													48
49													49
50													50
51													51
52													52

Japanese Larch and Hybrid Larch

THINNING YIELDS

Age	Yield Class 100				Yield Class 80				Yield Class 60				Age
	Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			
		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches	
14													14
15													15
16													16
17													17
18		60											18
19		60											19
20		60			3	48							20
21		60	1			48							21
22		60	2			48							22
23	4	60	2			48				36			23
24		60	3			48				36			24
25		60	3			48	1		3	36			25
26		60	5			48	1			36			26
27		60	6		4	48	2			36			27
28		60	7			48	2			36			28
29	5	60	9			48	3			36			29
30		60	11	1		48	3			36			30
31		60	13	1		48	4			36			31
32		60	15	2		48	5			36	1		32
33		60	17	2		48	6		4	36	1		33
34		60	19	3	5	48	7			36	1		34
35	6	60	22	4		48	8			36	1		35
36		60	25	5		48	9			36	2		36
37		60	27	6		48	10	1		36	2		37
38		60	30	8		48	12	1		36	3		38
39		60	32	9		48	13	1		36	3		39
40		60	34	11		48	15	2		36	4		40
41	7	60	36	13		48	16	2		36	4		41
42		60	37	14	6	48	17	3		36	5		42
43		60	38	15		48	19	4	5	36	5		43
44		60	40	17		48	20	4		36	6		44
45		60	41	18		48	22	5		36	7		45
46						48	23	6		36	7	1	46
47						48	24	7		36	8	1	47
48						48	25	7		36	8	1	48
49										36	9	1	49
50										36	10	1	50
51										36	10	2	51
52										36	11	2	52

Japanese Larch and Hybrid Larch

FELLING YIELDS

Age	Yield Class 160				Yield Class 140				Yield Class 120				Age
	Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			
		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches	
20	5½	1350	350	50	5	1150	200						20
25	7	1800	1050	350	6¼	1550	700	150	5½	1400	400	50	25
30	8¼	2200	1700	950	7½	1950	1350	600	6¾	1750	950	300	30
35	9½	2500	2200	1600	8¾	2250	1850	1100	7¾	2000	1450	650	35
40	10½	**2750**	**2550**	**2100**	9¾	2500	2200	1600	8½	2200	1800	1100	40
45	11½	3050	2850	2550	10½	**2750**	**2500**	**2050**	9¼	**2450**	**2100**	**1500**	45
50	12½	3250	3150	2850	11¼	2950	2750	2400	10	2650	2350	1850	50
55	13½	3500	3400	3150	12	3150	3000	2700	10¾	2800	2600	2150	55
60	14¼	3700	3600	3400	12¾	3350	3200	2950	11½	2950	2800	2400	60
65	15	3900	3800	3600	13½	3500	3400	3200	12	3100	2950	2650	65
70	15¾	4050	3950	3750	14¼	3650	3550	3350	12½	3250	3100	2850	70
75	16½	4150	4100	3900	14¾	3750	3750	3500	13	3350	3200	3000	75
80	17¼	4250	4200	4000	15¼	3850	3850	3600	13½	3450	3300	3100	80

FELLING YIELDS (*contd*)

Age	Yield Class 100				Yield Class 80				Yield Class 60				A
	Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			
		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches	
20													20
25	5	1150	150										25
30	6	1450	550	100	5	1200	200		4¼	900	50		30
35	6¾	1700	950	300	5¾	1400	450	50	4¾	1100	150		35
40	7½	1900	1300	550	6¼	1600	750	200	5¼	1250	300	50	40
45	8¼	**2100**	**1600**	**900**	7	1750	1050	350	5¾	1400	450	100	45
50	8¾	2300	1900	1200	7½	**1900**	**1300**	**550**	6¼	**1550**	**650**	**150**	50
55	9¼	2450	2100	1500	8	2050	1550	800	6¾	1650	850	250	55
60	9¾	2600	2300	1750	8¼	2200	1750	1050	7	1750	1050	350	60
65	10¼	2700	2500	2000	8¾	2300	1900	1250	7¼	1850	1200	450	65
70	10¾	2800	2600	2200	9¼	2400	2050	1400	7½	1950	1350	600	70
75	11¼	2900	2700	2350	9½	2500	2150	1600	7¾	2050	1500	700	75
80	11½	3000	2800	2500	9¾	2550	2250	1700	8	2100	1600	800	80

Douglas Fir

THINNING YIELDS

Age	Yield Class 260				Yield Class 240				Yield Class 220				Age
	Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			
		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches	
17		156				144							17
18		156				144				132			18
19	4	156	4		4	144	2			132	1		19
20		156	10			144	6		4	132	4		20
21		156	17			144	12			132	8		21
22	5	156	26			144	18			132	12		22
23		156	36	2	5	144	25			132	16		23
24		156	49	5		144	33	2	5	132	22		24
25	6	156	63	14		144	42	6		132	28	2	25
26		156	78	24	6	144	52	13		132	34	5	26
27		156	93	34		144	63	19	6	132	42	8	27
28	7	156	105	44		144	75	26		132	51	12	28
29		156	114	55	7	144	87	34		132	61	17	29
30	8	156	121	66		144	98	42		132	72	23	30
31		156	127	78	8	144	106	51		132	82	30	31
32	9	156	132	88		144	113	60		132	90	37	32
33		156	136	98		144	118	69	8	132	97	45	33
34	10	156	140	107	9	144	123	79		132	103	54	34
35		156	142	114		144	126	89		132	108	63	35
36	11	156	144	121	10	144	129	97	9	132	111	71	36
37		156	146	125		144	131	104		132	114	79	37
38	12	156	147	130		144	133	109		132	117	87	38
39		156	148	133	11	144	134	114	10	132	119	93	39
40		156	149	136		144	135	118		132	120	98	40
41	13	156	150	138		144	136	121		132	121	102	41
42		156	150	140	12	144	137	124	11	132	122	106	42
43		156	151	142		144	138	126		132	123	109	43
44	14	**156**	**151**	**143**		144	138	128		132	124	111	44
45		156	151	144	13	**144**	**139**	**129**	12	132	125	113	45
46		156	152	145		144	139	130		**132**	**126**	**115**	46
47	15	156	152	145		144	139	131		132	126	116	47
48		156	152	146	14	144	140	132	13	132	127	117	48
49		156	152	146		144	140	133		132	127	118	49
50	16	156	152	146		144	140	133		132	127	119	50
51					15	144	140	134		132	127	120	51
52									14	132	127	121	52
53													53
54													54
55													55
56													56
57													57
58													58

DF 200 PRODUCTION FORECAST TABLE **DF 160**

Douglas Fir

THINNING YIELDS

Age	Yield Class 200				Yield Class 180				Yield Class 160				Age
	Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			
		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches	
17													17
18													18
19		120											19
20		120	2			108							20
21	4	120	4			108	1			96			21
22		120	7		4	108	3			96			22
23		120	10			108	5			96	1		23
24		120	14			108	7		4	96	2		24
25	5	120	18			108	9			96	3		25
26		120	23	1		108	12			96	5		26
27		120	28	3	5	108	16			96	7		27
28		120	34	5		108	20	1		96	9		28
29	6	120	41	7		108	24	2		96	12		29
30		120	48	11		108	29	4	5	96	15	1	30
31		120	57	15	6	108	35	6		96	18	2	31
32		120	65	20		108	41	8		96	22	3	32
33	7	120	74	25		108	47	12		96	26	4	33
34		120	81	32		108	54	16		96	31	6	34
35		120	87	39	7	108	60	20	6	96	36	8	35
36	8	120	92	46		108	66	25		96	41	10	36
37		120	96	52		108	72	30		96	47	13	37
38		120	99	60		108	77	35		96	52	16	38
39	9	120	102	66	8	108	81	41	7	96	57	19	39
40		120	104	73		108	84	47		96	62	24	40
41		120	106	78		108	88	53		96	66	28	41
42	10	120	108	83		108	90	58		96	69	32	42
43		120	109	87	9	108	92	63	8	96	72	37	43
44		120	110	91		108	94	68		96	75	42	44
45	11	120	111	94		108	95	72		96	77	47	45
46		120	112	96	10	108	96	76		96	79	51	46
47		120	112	98		108	97	79	9	96	81	55	47
48		120	113	100		108	98	82		96	82	57	48
49	12	120	113	102		108	99	84		96	83	61	49
50		120	114	103	11	108	100	86		96	84	64	50
51		120	114	104		108	101	88	10	96	85	67	51
52		120	115	105		108	101	90		96	86	69	52
53	13	120	115	106		108	102	91		96	87	71	53
54		120	115	107	12	108	102	92		96	87	73	54
55						108	102	93		96	87	75	55
56						108	102	94	11	96	88	76	56
57										96	88	77	57
58										96	88	78	58

Douglas Fir

THINNING YIELDS

Age	Yield Class 140				Yield Class 120				Age
	Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			
		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches	
17									17
18									18
19									19
20									20
21									21
22		84							22
23		84							23
24		84				72			24
25		84	1			72			25
26	4	84	2			72			26
27		84	3			72			27
28		84	4			72			28
29		84	5			72	1		29
30		84	6		4	72	2		30
31		84	8			72	3		31
32		84	10			72	4		32
33	5	84	13			72	5		33
34		84	16	1		72	6		34
35		84	19	2		72	7		35
36		84	22	3		72	9		36
37		84	25	4	5	72	11		37
38	6	84	29	5		72	13		38
39		84	33	7		72	15	1	39
40		84	37	9		72	17	2	40
41		84	41	11		72	20	3	41
42		84	45	14		72	23	4	42
43	7	84	49	17	6	72	26	5	43
44		84	52	20		72	29	6	44
45		84	55	23		72	32	8	45
46		84	58	26		72	35	10	46
47		84	61	29		72	38	12	47
48	8	84	64	33		72	41	14	48
49		84	66	37	7	72	44	16	49
50		84	68	40		72	46	18	50
51		84	69	43		72	48	20	51
52		84	70	46		72	50	22	52
53	9	84	71	48		72	52	24	53
54		84	72	50		72	54	27	54
55		84	73	52	8	72	55	29	55
56		84	74	54		72	56	31	56
57		84	74	56		72	57	33	57
58	10	84	75	57		72	58	35	58
59		84	75	58		72	59	37	59
60		84	75	59		72	59	38	60
61						72	60	39	61
62						72	60	40	62
63						72	60	41	63

Douglas Fir

FELLING YIELDS

Age	Yield Class 260				Yield Class 240				Yield Class 220				Age
	Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			
		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches	
20	5½	1800	450	50									20
25	7½	2500	1700	750	7	2300	1250	450	6½	2100	900	250	25
30	9¾	3250	2850	2200	9	3000	2500	1700	8¼	2750	2150	1200	30
35	11¾	3950	3750	3350	11	3700	3400	2900	10	3400	3050	2400	35
40	13½	4600	4400	4150	12¾	4250	4050	3700	11¾	3950	3700	3300	40
45	15¼	5100	4950	4700	14¼	4750	4600	4350	13¼	4450	4250	3950	45
50	16¾	**5600**	**5450**	**5250**	15½	**5250**	**5100**	**4850**	14½	4900	4700	4450	50
55	18	6100	5950	5750	16¾	5700	5550	5300	15¾	**5300**	**5150**	**4900**	55
60	19¼	6550	6400	6200	18	6100	5950	5750	16¾	5700	5550	5300	60
65	20¼	7000	6850	6600	19	6500	6350	6150	17¾	6050	5900	5700	65
70	21½	7400	7250	6950	20	6900	6700	6500	18½	6400	6250	6000	70
75	22	7700	7550	7250	20¾	7200	7000	6750	19¼	6700	6550	6250	75
80	22¾	8000	7800	7500	21¼	7500	7250	7000	20	6900	6750	6500	80

FELLING YIELDS (*contd*)

Age	Yield Class 200				Yield Class 180				Yield Class 160				Age
	Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			
		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches	
20													20
25	6	1900	600	100	5½	1700	350						25
30	7½	2500	1700	750	7	2250	1200	400	6¼	2000	750	150	30
35	9¼	3100	2650	1850	8½	2800	2150	1200	7½	2500	1650	750	35
40	10¾	3600	3350	2800	9¾	3300	2900	2250	8¾	2950	2450	1550	40
45	12	4050	3850	3450	11	3700	3450	2950	10	3350	3000	2350	45
50	13¼	4500	4300	4000	12¼	4100	3850	3500	11	3700	3450	2950	50
55	14½	**4900**	**4700**	**4450**	13¼	**4450**	**4250**	**4000**	12	4050	3800	3400	55
60	15½	5250	5100	4850	14¼	4800	4600	4350	**13**	**4350**	**4150**	**3850**	60
65	16½	5600	5450	5200	15	5100	4950	4700	13¾	4600	4450	4200	65
70	17¼	5900	5750	5500	15¾	5350	5250	5000	14½	4850	4750	4500	70
75	18	6150	6000	5750	16½	5600	5450	5200	15¼	5100	4950	4700	75
80	18½	6350	6200	5950	17¼	5800	5650	5400	15¾	5250	5100	4850	80

Douglas Fir

FELLING YIELDS

Age	Yield Class 140				Yield Class 120				Age
	Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			
		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches	
20									20
25									25
30	5½	1750	400	50	4¾	1450	150		30
35	6¾	2200	1100	350	5¾	1900	550	50	35
40	7¾	2600	1850	900	6¾	2250	1200	400	40
45	8¾	2950	2450	1650	7¾	2600	1850	900	45
50	9¾	3300	2950	2250	8¾	2900	2400	1500	50
55	10¾	3600	3300	2800	9½	3150	2750	2050	55
60	11½	**3900**	**3650**	**3250**	10¼	3400	3100	2500	60
65	12¼	4150	3950	3600	**11**	**3650**	**3400**	**2850**	65
70	13	4350	4200	3900	11½	3850	3600	3150	70
75	13½	4550	4400	4100	12	4000	3800	3400	75
80	14	4700	4550	4250	12½	4150	3950	3600	80

Western Hemlock

THINNING YIELDS

Age	Yield Class 260				Yield Class 240				Yield Class 220				Age
	Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQH ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			
		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches	
19		156											19
20		156				144							20
21		156	1			144				132			21
22	4	156	3			144	1			132			22
23		156	5		4	144	3			132	1		23
24		156	8			144	4		4	132	2		24
25		156	12			144	6			132	3		25
26		156	18			144	9			132	4		26
27	5	156	24			144	13			132	6		27
28		156	30			144	17			132	8		28
29		156	39	4	5	144	22	1		132	11		29
30		156	47	7		144	27	2		132	14		30
31	6	156	57	10		144	33	3	5	132	18		31
32		156	66	15		144	41	6		132	23	1	32
33		156	76	20	6	144	48	9		132	29	2	33
34		156	85	26		144	57	12		132	36	4	34
35	7	156	93	32		144	65	16		132	43	7	35
36		156	101	39		144	73	21	6	132	50	10	36
37		156	107	46	7	144	81	26		132	58	13	37
38		156	112	53		144	88	32		132	64	17	38
39		156	116	60		144	94	38		132	70	20	39
40	8	156	120	66		144	99	43		132	75	24	40
41		156	123	72		144	103	49	7	132	81	29	41
42		156	126	77	8	144	107	55		132	85	34	42
43		156	129	82		144	111	60		132	89	38	43
44	9	156	131	87		144	114	65		132	93	43	44
45		**156**	**133**	**92**		144	117	70		132	96	48	45
46		156	135	96		144	119	75	8	132	99	52	46
47		156	137	100		**144**	**121**	**79**		132	102	57	47
48		156	138	104	9	144	122	83		132	104	61	48
49	10	156	140	108		144	124	87		132	106	65	49
50		156	141	111		144	125	90		**132**	**108**	**69**	50
51		156	142	114		144	126	94		132	110	72	51
52		156	143	117		144	127	97	9	132	112	76	52
53		156	144	120	10	144	129	100		132	113	79	53
54		156	145	122		144	130	102		132	114	82	54
55	11	156	145	124		144	131	105		132	115	85	55
56						144	131	107		132	116	88	56
57						144	132	110		132	117	90	57
58									10	132	118	93	58
59										132	119	95	59
60										132	120	97	60
61													61
62													62
63													63
64													64
65													65
66													66

Western Hemlock

THINNING YIELDS

Age	Yield Class 200				Yield Class 180				Age
	Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			
		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches	
19									19
20									20
21									21
22		120							22
23		120				108			23
24		120				108			24
25		120	1			108			25
26		120	2			108			26
27		120	3			108	1		27
28	4	120	4			108	1		28
29		120	5			108	2		29
30		120	7		4	108	3		30
31		120	9			108	3		31
32		120	11			108	4		32
33		120	14			108	6		33
34	5	120	18	1		108	8		34
35		120	22	2		108	10		35
36		120	27	2		108	13		36
37		120	32	4	5	108	16		37
38		120	38	6		108	19	1	38
39	6	120	43	8		108	23	2	39
40		120	49	10		108	27	3	40
41		120	55	13		108	32	5	41
42		120	60	16		108	37	6	42
43		120	65	20	6	108	42	8	43
44	7	120	70	23		108	46	10	44
45		120	75	27		108	51	12	45
46		120	79	31		108	55	15	46
47		120	82	35		108	58	17	47
48		120	85	39		108	62	20	48
49		120	88	43	7	108	65	23	49
50	8	120	90	47		108	68	26	50
51		120	92	50		108	71	29	51
52		120	94	53		108	73	32	52
53		120	95	56		108	76	35	53
54		120	97	60		108	78	38	54
55		120	98	63	8	108	80	41	55
56		120	100	66		108	82	44	56
57	9	120	101	68		108	84	47	57
58		120	102	71		108	85	49	58
59		120	103	74		108	87	52	59
60		120	104	76		108	88	54	60
61		120	105	78		108	89	57	61
62		120	106	80		108	90	59	62
63		120	106	82	9	108	91	61	63
64						108	92	63	64
65						108	93	66	65
66						108	94	67	66
67						108	94	69	67
68									68
69									69
70									70
71									71
72									72
73									73
74									74

Western Hemlock

THINNING YIELDS

Age	Yield Class 160				Yield Class 140				Age
	Mean BHQH ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			
		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches	
24									24
25		96							25
26		96							26
27		96				84			27
28		96				84			28
29		96				84			29
30		96				84			30
31		96				84			31
32		96	1			84			32
33	4	96	2			84			33
34		96	3			84			34
35		96	4			84	1		35
36		96	5			84	1		36
37		96	7		4	84	2		37
38		96	9			84	3		38
39		96	11			84	4		39
40	5	96	13			84	5		40
41		96	16	1		84	6		41
42		96	18	1		84	7		42
43		96	22	2		84	8		43
44		96	25	3		84	10		44
45		96	28	4	5	84	12		45
46		96	31	5		84	14	1	46
47	6	96	35	6		84	16	1	47
48		96	38	7		84	18	2	48
49		96	41	9		84	20	2	49
50		96	45	11		84	23	3	50
51		96	48	13		84	25	4	51
52		96	51	15	6	84	28	4	52
53		96	54	17		84	30	5	53
54	7	96	57	19		84	33	6	54
55		96	59	22		84	36	7	55
56		96	62	24		84	38	9	56
57		96	64	27		84	40	10	57
58		96	66	29		84	43	11	58
59		96	68	31		84	45	13	59
60		96	70	34		84	47	14	60
61		96	71	36	7	84	49	16	61
62	8	96	73	38		84	51	18	62
63		96	74	40		84	53	19	63
64		96	75	43		84	54	21	64
65		96	76	45		84	56	23	65
66		96	77	47		84	57	25	66
67		96	78	49		84	59	26	67
68		96	79	50		84	60	28	68
69		96	80	52		84	61	30	69
70		96	81	54		84	62	31	70
71	9	96	81	55	8	84	63	33	71
72		96	82	57		84	64	35	72
73						84	65	36	73
74						84	66	38	74
75						84	67	39	75
76						84	68	41	76
77						84	69	42	77
78						84	69	44	78
79						84	70	45	79

Western Hemlock

FELLING YIELDS

Age	Yield Class 260				Yield Class 240				Yield Class 220				Age
	Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			
		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches	
20	4¼	1850	100		4	1650	50		3¾	1400			20
25	5¼	2700	700	100	5¼	2400	400	50	4¾	2100	200		25
30	6¾	3500	2000	650	6½	3150	1450	350	5¾	2800	950	150	30
35	8	4250	3250	1750	7½	3900	2650	1150	7	3550	2050	700	35
40	9	4900	4150	2900	8½	4500	3650	2200	8	4100	3100	1600	40
45	10	5400	4900	3900	9½	5000	4450	3250	9	4700	3900	2600	45
50	11	5900	5500	4700	10¼	5500	5000	4050	9¾	5100	4500	3400	50
55	**12**	**6300**	**6000**	**5350**	**11¼**	**5900**	**5500**	**4750**	10½	5500	5000	4150	55
60	12¾	6700	6450	5950	12	6300	6000	5400	**11¼**	**5900**	**5500**	**4750**	60
65	13½	7100	6850	6450	12¾	6700	6400	5900	12	6250	5900	5300	65
70	14¼	7500	7250	6850	13½	7050	6800	6350	12¾	6600	6300	5800	70
75	15	7800	7600	7200	14¼	7350	7150	6750	13¼	6900	6650	6200	75
80	15¾	8150	7900	7550	14¾	7700	7450	7150	14	7250	7000	6600	80

FELLING YIELDS (*contd*)

Age	Yield Class 200				Yield Class 180				Age
	Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			
		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches	
20	3¼	1150							20
25	4¼	1800	100		3¾	1500	50		25
30	5¼	2450	500	50	4¾	2100	250		30
35	6¼	3150	1450	350	5¾	2750	850	150	35
40	7¼	3700	2450	1000	6¾	3300	1750	500	40
45	8¼	4250	3300	1850	7½	3850	2650	1150	45
50	9	4700	3950	2700	8¼	4300	3350	1900	50
55	9¾	5100	4500	3450	9	4650	3950	2600	55
60	10½	5450	5000	4050	9½	5000	4450	3300	60
65	**11¼**	**5800**	**5400**	**4650**	10¼	5350	4850	3900	65
70	11¾	6150	5800	5150	10¾	**5650**	**5250**	**4400**	70
75	12½	6450	6150	5600	11½	5950	5600	4900	75
80	13	6750	6500	5950	12	6200	5900	5300	80

Western Hemlock

FELLING YIELDS

Age	Yield Class 160				Yield Class 140				Age
	Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			
		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches	
20									20
25	3½	1200			3	850			25
30	4¼	1750	50		3¾	1350			30
35	5¼	2350	350	50	4½	1900	150		35
40	6	2900	1100	200	5¼	2450	500	50	40
45	6¾	3400	1900	600	6	2900	1100	200	45
50	7½	3800	2650	1200	6¾	3300	1800	550	50
55	8¼	4200	3300	1800	7¼	3700	2450	1000	55
60	8¾	4500	3800	2450	7¾	4000	3000	1500	60
65	9½	4850	4200	3000	8¼	4300	3450	2050	65
70	10	5150	4600	3500	8¾	4600	3850	2600	70
75	10½	5400	4950	4000	9¼	4850	4200	3050	75
80	11	5650	5250	4450	9¾	5100	4500	3500	80

Western Red Cedar and Lawson Cypress

THINNING YIELDS

Age	Yield Class 280				Yield Class 260				Yield Class 240				Age
	Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			
		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches	
20	4	168	8										20
21		168	10		4	156	8						21
22		168	12			156	9		4	144	6		22
23		168	15			156	10			144	7		23
24		168	19			156	13			144	9		24
25	5	168	24	1		156	16			144	10		25
26		168	30	2	5	156	20	1		144	13		26
27		168	37	4		156	25	2		144	16		27
28		168	46	6		156	31	3	5	144	20	1	28
29		168	56	9		156	38	5		144	25	2	29
30	6	168	66	13		156	46	7		144	31	3	30
31		168	75	17	6	156	54	10		144	37	5	31
32		168	85	22		156	62	13		144	45	7	32
33		168	93	28		156	70	17	6	144	52	9	33
34	7	168	102	34		156	77	21		144	59	12	34
35		168	109	42		156	85	26		144	66	16	35
36		168	116	50	7	156	93	32		144	73	20	36
37		168	122	57		156	100	39		144	79	25	37
38	8	168	127	66		156	106	47	7	144	85	29	38
39		168	132	74		156	112	54		144	91	35	39
40		168	136	81	8	156	117	62		144	96	40	40
41		168	140	89		156	121	68		144	100	45	41
42	9	168	143	96		156	125	75		144	105	50	42
43		168	146	103		156	128	81	8	144	108	56	43
44		168	148	110	9	156	131	86		144	112	61	44
45		168	150	116		156	133	92		144	115	67	45
46	10	168	152	121		156	135	97		144	118	72	46
47		168	153	125		156	137	101		144	120	77	47
48		168	154	128		156	139	106	9	144	123	82	48
49		168	155	131	10	156	140	110		144	125	87	49
50	11	168	156	134		156	142	113		144	126	92	50
51		168	157	136		156	143	117		144	128	96	51
52		168	158	138		156	144	120		144	129	99	52
53		168	158	140		156	145	122	10	144	130	103	53
54	12	168	159	142	11	156	146	125		144	131	106	54
55		168	159	144		156	146	127		144	132	109	55
56		168	160	145		156	147	129		144	133	111	56
57		168	160	146		156	147	131		144	134	113	57
58						156	148	132	11	144	134	115	58
59					12	156	148	134		144	135	117	59
60										144	135	119	60
61										144	136	120	61
62													62
63													63
64													64
65													65
66													66
67													67
68													68
69													69
70													70
71													71

Western Red Cedar and Lawson Cypress

THINNING YIELDS

Age	Yield Class 220				Yield Class 200				Yield Class 180				Age
	Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			
		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches	
20													20
21													21
22													22
23	4	132	5										23
24		132	6		4	120	3						24
25		132	7			120	4						25
26		132	9			120	5		4	108	4		26
27		132	11			120	7			108	5		27
28		132	13			120	8			108	6		28
29		132	16			120	10			108	7		29
30	5	132	19	1		120	13			108	8		30
31		132	23	1		120	15			108	9		31
32		132	27	2	5	120	18	1		108	10		32
33		132	32	3		120	21	1		108	11		33
34		132	38	5		120	25	2		108	13		34
35		132	44	7		120	29	3	5	108	15	1	35
36	6	132	49	9		120	33	4		108	18	1	36
37		132	55	11		120	37	5		108	21	2	37
38		132	61	14	6	120	42	7		108	24	3	38
39		132	67	18		120	46	9		108	28	4	39
40		132	73	21		120	51	11		108	32	5	40
41	7	132	78	26		120	55	13		108	36	6	41
42		132	83	31		120	59	16	6	108	40	8	42
43		132	87	36		120	64	19		108	44	10	43
44		132	92	41		120	68	22		108	48	12	44
45		132	95	46	7	120	72	25		108	52	14	45
46	8	132	99	51		120	76	29		108	56	16	46
47		132	102	56		120	79	32		108	60	18	47
48		132	105	60		120	83	36		108	63	21	48
49		132	107	65		120	86	41	7	108	67	24	49
50		132	109	70		120	89	45		108	70	26	50
51		132	111	73	8	120	91	49		108	73	29	51
52	9	**132**	**113**	**77**		120	94	53		108	75	33	52
53		132	115	81		120	96	57		108	78	36	53
54		132	116	84		**120**	**98**	**60**		108	80	39	54
55		132	117	86		120	100	64		108	82	43	55
56		132	118	90		120	101	67	8	**108**	**84**	46	56
57	10	132	119	93	9	120	103	70		108	85	49	57
58		132	120	95		120	104	73		108	87	52	58
59		132	120	97		120	105	76		108	88	55	59
60		132	121	99		120	106	79		108	90	58	60
61		132	121	101		120	107	81		108	91	60	61
62		132	122	103		120	108	83		108	92	63	62
63	11	132	122	104	10	120	109	85	9	108	93	65	63
64						120	109	87		108	94	67	64
65						120	110	89		108	95	69	65
66										108	95	71	66
67										108	96	72	67
68													68
69													69
70													70
71													71

Western Red Cedar and Lawson Cypress

THINNING YIELDS

Age	Yield Class 160				Yield Class 140				Age
	Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			
		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches	
20									20
21									21
22									22
23									23
24									24
25									25
26									26
27									27
28	4	96	3						28
29		96	3						29
30		96	4		4	84	1		30
31		96	5			84	2		31
32		96	6			84	2		32
33		96	7			84	3		33
34		96	8			84	3		34
35		96	9			84	4		35
36		96	11			84	5		36
37		96	13			84	6		37
38	5	96	15			84	7		38
39		96	17	1		84	8		39
40		96	19	1		84	9		40
41		96	22	2		84	11	1	41
42		96	24	2	5	84	13	1	42
43		96	27	3		84	15	1	43
44		96	30	4		84	16	2	44
45		96	33	6		84	19	2	45
46	6	96	37	7		84	21	3	46
47		96	40	8		84	23	3	47
48		96	43	10		84	25	4	48
49		96	46	12		84	28	5	49
50		96	49	13		84	30	5	50
51		96	52	15	6	84	33	6	51
52		96	55	17		84	35	7	52
53		96	57	19		84	37	8	53
54	7	96	60	21		84	39	9	54
55		96	62	23		84	41	10	55
56		96	64	26		84	43	12	56
57		96	66	28		84	45	13	57
58		96	68	31		84	47	14	58
59		96	70	33		84	49	16	59
60		96	71	35	7	84	51	17	60
61		96	73	38		84	52	19	61
62	8	96	74	40		84	54	20	62
63		96	75	42		84	55	22	63
64		96	76	45		84	57	23	64
65		96	77	47		84	58	25	65
66		96	78	49		84	59	27	66
67		96	79	51		84	61	28	67
68		96	80	53		84	62	30	68
69		96	81	54		84	63	31	69
70						84	64	33	70
71					8	84	65	35	71

PRODUCTION FORECAST TABLE

Western Red Cedar and Lawson Cypress

FELLING YIELDS

Age	Yield Class 280				Yield Class 260				Yield Class 240				Age
	Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			
		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches	
25	5¾	2800	850	120									25
30	7	3700	2200	750	6¼	3450	1750	500	6¼	3150	1350	300	30
35	8¼	4550	3700	2250	7¾	4250	3100	1550	7½	3950	2550	1000	35
40	9½	5300	4700	3500	9	4950	4200	2850	8¾	4600	3700	2200	40
45	10¾	5950	5450	4600	10	5550	5000	3950	9½	5200	4550	3350	45
50	11¾	6500	6150	5450	11	6100	5650	4900	10½	5750	5250	4300	50
55	12¾	**7050**	**6750**	**6200**	12	6600	6250	5650	11¼	6200	5800	5050	55
60	13¾	7550	7300	6850	**13**	**7100**	**6800**	**6300**	**12**	**6650**	**6350**	**5750**	60
65	14½	8050	7800	7400	13¾	7550	7300	6850	12¾	7100	6800	6300	65
70	15¼	8500	8250	7850	14½	8000	7750	7350	13½	7500	7250	6800	70
75	16	8900	8700	8300	15¼	8350	8150	7750	14¼	7900	7650	7200	75
80	16¾	9250	9050	8650	15¾	8700	8500	8100	14¾	8200	7950	7550	80

FELLING YIELDS (*contd*)

Age	Yield Class 220				Yield Class 200				Yield Class 180				Age
	Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			
		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches	
25													25
30	5¾	2900	850	120	5¼	2600	550	50					30
35	6¾	3600	1950	600	6¼	3250	1400	300	5¾	2950	850	100	35
40	7¾	4200	3050	1500	7¼	3850	2500	950	6¾	3500	1750	450	40
45	8¾	4800	4000	2550	8¼	4400	3400	1850	7¾	4000	2750	1200	45
50	9¾	5350	4700	3550	9	4900	4150	2750	8¾	4500	3550	2000	50
55	10¼	5800	5350	4400	9¾	5350	4750	3600	9	4900	4150	2800	55
60	11¼	6250	5850	5100	10¾	5750	5250	4350	9¾	5300	4700	3550	60
65	12	**6650**	**6300**	**5700**	11¼	**6150**	**5750**	**5000**	10¼	5650	5150	4200	65
70	12¾	7050	6700	6200	11¾	6500	6150	5500	10¾	**6000**	**5550**	**4750**	70
75	13¼	7400	7100	6650	12¼	6850	6550	5950	11¼	6300	5900	5200	75
80	13¾	7700	7450	7000	12¾	7150	6850	6350	11¾	6600	6250	5600	80

Western Red Cedar and Lawson Cypress

FELLING YIELDS (*contd*)

Age	Yield Class 160				Yield Class 140				Age
	Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			
		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches	
25									25
30									30
35	5¼	2600	500	50	4¾	2250	250		35
40	6	3150	1150	200	5½	2750	650	50	40
45	6¾	3600	2000	600	6¼	3200	1350	300	45
50	7½	4050	2800	1250	6¾	3600	2100	650	50
55	8¼	4450	3500	1950	7½	4000	2750	1200	55
60	9	4850	4050	2650	8	4350	3250	1700	60
65	9½	5150	4550	3300	8½	4650	3750	2250	65
70	10	**5450**	**4950**	**3850**	9	**4950**	**4150**	**2800**	70
75	10½	5750	5300	4350	9½	5200	4550	3350	75
80	11	6050	5600	4800	10	5450	4900	3850	80

Grand Fir

THINNING YIELDS

Age	Yield Class 340				Yield Class 300				Yield Class 260				Age
	Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			
		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches	
19		204	11										19
20		204	18			180	10						20
21	5	204	25	1		180	15	1		156	8		21
22		204	34	3	5	180	21	1		156	12		22
23		204	43	5		180	28	2		156	17		23
24		204	54	9		180	35	3	5	156	22		24
25	6	204	67	14		180	43	5		156	28	1	25
26		204	81	21	6	180	53	9		156	34	3	26
27		204	99	31		180	63	13		156	41	5	27
28	7	204	114	43		180	73	18	6	156	49	8	28
29		204	130	55		180	85	24		156	57	11	29
30		204	144	69	7	180	97	32		156	64	15	30
31	8	204	154	84		180	109	41		156	73	20	31
32		204	162	98		180	120	52	7	156	81	25	32
33		204	169	111	8	180	130	63		156	90	31	33
34	9	204	174	122		180	139	74		156	98	38	34
35		204	178	132		180	146	85		156	105	45	35
36		204	182	141	9	180	151	96	8	156	112	52	36
37	10	204	185	149		180	154	106		156	118	60	37
38		204	187	155		180	158	114		156	123	68	38
39		**204**	**189**	**160**		180	160	122		156	126	76	39
40	11	204	191	165	10	**180**	**162**	**128**	9	156	130	83	40
41		204	192	169		180	164	133		**156**	**132**	**90**	41
42		204	193	173		180	166	138		156	135	96	42
43	12	204	195	176		180	167	142		156	137	102	43
44		204	196	178	11	180	168	145	10	156	138	107	44
45		204	196	181		180	169	148		156	140	111	45
46	13	204	197	183		180	170	150		156	141	115	46
47		204	197	184		180	171	153		156	142	118	47
48		204	197	185	12	180	172	155		156	144	121	48
49		204	198	186		180	172	157	11	156	145	124	49
50	14	204	198	187		180	173	159		156	145	127	50
51		204	198	187		180	173	161		156	146	129	51
52										156	147	131	52
53													53
54													54
55													55
56													56

Grand Fir

THINNING YIELDS

Age	Yield Class 220				Yield Class 180				Age
	Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			
		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches	
19									19
20									20
21									21
22		132	6						22
23		132	9						23
24		132	12			108	3		24
25		132	15			108	5		25
26	5	132	19			108	6		26
27		132	23			108	8		27
28		132	27	1		108	10		28
29		132	32	2	5	108	13		29
30		132	37	4		108	15		30
31	6	132	42	6		108	18	1	31
32		132	48	9		108	21	1	32
33		132	54	12		108	24	2	33
34		132	60	15		108	28	3	34
35		132	65	19	6	108	31	5	35
36	7	132	71	23		108	35	6	36
37		132	77	28		108	39	8	37
38		132	83	33		108	43	10	38
39		132	89	38		108	48	12	39
40		132	94	43		108	52	15	40
41	8	132	98	49		108	57	18	41
42		132	102	54	7	108	61	21	42
43		132	104	59		108	65	24	43
44		132	107	64		108	69	28	44
45		132	109	69		108	72	31	45
46	9	132	111	74		108	75	35	46
47		132	113	78		108	77	38	47
48		132	114	82		108	80	41	48
49		132	115	85	8	108	82	45	49
50		132	117	89		108	83	48	50
51	10	132	118	92		108	85	51	51
52		132	119	94		108	87	54	52
53		132	119	97		108	88	57	53
54		132	120	99		108	89	59	54
55						108	91	62	55
56					9	108	92	64	56

Grand Fir

FELLING YIELDS

Age	Yield Class 340				Yield Class 300				Yield Class 260				Age
	Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			
		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches	
25	7	3050	1900	650	6¼	2700	1200	300					25
30	8¾	4250	3600	2300	8	3750	2850	1550	7¼	3250	2100	700	30
35	10½	5400	5000	4150	9¾	4800	4250	3200	6½	4150	3450	2150	35
40	12¼	6350	6050	5500	11¼	5650	5300	4550	10	4950	4450	3500	40
45	13¾	7250	7000	6600	12½	6500	6200	5650	11½	5700	5300	4600	45
50	15	8100	7850	7450	13¾	7250	7000	6600	12¼	6350	6050	5500	50
55	16	8850	8650	8250	14¾	7950	7700	7300	13¼	7000	6700	6250	55
60	17	9500	9350	8950	15½	8500	8300	7900	14	7500	7250	6850	60
65	18	10050	9900	9550	16¼	9000	8800	8400	14¾	7950	7700	7300	65
70	18¼	10500	10350	10000	16¾	9400	9200	8800	15¼	8300	8050	7650	70
75	19	10800	10650	10350	17¼	9650	9500	9100	15½	8500	8300	7900	75
80	19¼	11050	10900	10600	17¾	9850	9700	9300	15¾	8650	8500	8100	80

FELLING YIELDS (*contd*)

Age	Yield Class 220				Yield Class 180				Age
	Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			
		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches	
25									25
30	6½	2750	1300	350					30
35	7¾	3550	2550	1200	6¾	2900	1550	450	35
40	8¾	4250	3600	2300	7¾	3500	2500	1150	40
45	9¾	4900	4350	3350	8½	4050	3300	2000	45
50	10¾	5450	5050	4250	9¼	4550	4000	2800	50
55	11¾	6000	5650	5000	10	5000	4550	3500	55
60	12¼	6450	6150	5600	10¼	5400	5000	4150	60
65	13	6850	6550	6050	11	5750	5350	4600	65
70	13½	7150	6850	6400	11½	6000	5650	5000	70
75	13¾	7350	7100	6650	11¾	6200	5850	5250	75
80	14	7500	7250	6850	12	6350	6000	5450	80

Noble Fir

THINNING YIELDS

Age	Yield Class 240				Yield Class 220				Yield Class 200				Age
	Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			
		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches	
23	4	144	6										23
24		144	8		4	132	6						24
25		144	10			132	7		4	120	5		25
26		144	12			132	9			120	6		26
27		144	15			132	11			120	7		27
28		144	18			132	13			120	9		28
29	5	144	22	1		132	16			120	10		29
30		144	27	2		132	19			120	12		30
31		144	31	4	5	132	22	1		120	14		31
32		144	36	5		132	25	2		120	17		32
33		144	41	8		132	30	3	5	120	20		33
34	6	144	47	10		132	34	5		120	23	1	34
35		144	53	13		132	40	6		120	27	1	35
36		144	59	17	6	132	45	9		120	32	3	36
37		144	66	21		132	51	11		120	36	4	37
38		144	73	26		132	57	14		120	41	6	38
39	7	144	79	31		132	62	17	6	120	46	8	39
40		144	86	36		132	68	20		120	51	10	40
41		144	92	41		132	73	24		120	55	13	41
42		144	97	46	7	132	77	28		120	60	15	42
43		144	102	51		132	82	32		120	64	18	43
44	8	144	106	56		132	86	36		120	68	21	44
45		144	110	60		132	89	40	7	120	71	25	45
46		144	113	65		132	93	45		120	75	28	46
47		144	116	69		132	96	49		120	78	32	47
48		144	118	74	8	132	99	54		120	82	35	48
49		144	120	78		132	102	58		120	84	38	49
50	9	144	122	82		132	104	62		120	87	42	50
51		144	124	86		132	106	66		120	89	45	51
52		144	125	89		132	108	69	8	120	91	48	52
53		**144**	**127**	**93**		132	110	73		120	93	51	53
54		144	128	96	9	**132**	**112**	**76**		120	95	55	54
55		144	129	99		132	113	79		**120**	**97**	**58**	55
56	10	144	130	102		132	114	82		120	98	61	56
57		144	131	105		132	116	85		120	99	63	57
58		144	131	108		132	117	87		120	100	66	58
59		144	132	110		132	118	90		120	101	69	59
60		144	133	112		132	119	93	9	120	103	72	60
61		144	133	114	10	132	119	95		120	104	74	61
62	11	144	134	116		132	120	97		120	105	77	62
63		144	134	118		132	121	99		120	105	79	63
64		144	135	119		132	121	100		120	106	81	64
65		144	135	120		132	122	102		120	107	83	65
66						132	122	104		120	108	84	66
67										120	108	86	67
68													68
69													69
70													70
71													71
72													72
73													73

Noble Fir

THINNING YIELDS

Age	Yield Class 180				Yield Class 160				Yield Class 140				Age
	Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			
		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches	
23													23
24													24
25													25
26	4	108	5										26
27		108	5		4	96	3						27
28		108	6			96	4						28
29		108	7			96	4			84	2		29
30		108	8			76	5		4	84	2		30
31		108	9			96	6			84	2		31
32		108	10			96	6			84	3		32
33		108	12			96	7			84	3		33
34		108	14			96	8			84	4		34
35	5	108	16			96	10			84	5		35
36		108	19	1		96	11			84	5		36
37		108	22	1		96	13			84	6		37
38		108	25	2	5	96	14			84	8		38
39		108	29	3		96	16	1		84	9		39
40		108	33	5		96	18	1		84	10		40
41		108	37	6		96	21	2		84	11		41
42	6	108	41	7		96	23	2	5	84	13		42
43		108	45	9		96	26	3		84	15		43
44		108	49	11		96	29	4		84	16	1	44
45		108	52	13		96	31	5		84	18	1	45
46		108	55	15	6	96	35	6		84	20	2	46
47		108	58	17		96	38	8		84	22	3	47
48		108	61	19		96	41	9		84	24	3	48
49	7	108	64	22		96	44	11		84	27	4	49
50		108	67	24		96	47	12		84	29	5	50
51		108	69	27		96	50	14	6	84	31	6	51
52		108	72	29		96	52	16		84	34	7	52
53		108	74	32		96	55	18		84	36	8	53
54		108	76	35	7	96	57	20		84	38	9	54
55		108	78	37		96	60	22		84	40	11	55
56		108	80	40		96	62	24		84	43	12	56
57	8	108	82	42		96	64	26		84	45	13	57
58		108	83	45		96	66	28		84	47	15	58
59		108	85	48		96	68	31		84	48	16	59
60		108	86	50		96	70	33	7	84	50	17	60
61		108	87	52		96	71	35		84	52	19	61
62		108	89	55		96	72	37		84	53	20	62
63		108	90	57	8	96	74	39		84	54	21	63
64		108	91	59		96	75	41		84	56	23	64
65		108	91	61		96	76	43		84	57	24	65
66	9	108	92	63		96	77	45		84	58	26	66
67		108	93	65		96	78	47		84	59	27	67
68		108	94	67		96	79	48		84	60	28	68
69		108	95	68		96	79	50		84	61	30	69
70						96	80	51		84	62	31	70
71						96	81	53		84	63	32	71
72									8	84	63	33	72
73										84	64	34	73

Noble Fir

FELLING YIELDS

Age	Yield Class 240				Yield Class 220				Yield Class 200				Age
	Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			
		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches	
30	6	3150	1050	300	5½	2900	800	100					30
35	7	3850	2300	800	6¼	3550	1800	500	6	3250	1350	300	35
40	8	4550	3450	1800	7¼	4200	2850	1250	7	3850	2300	800	40
45	9	5150	4350	2900	8¼	4750	3800	2200	7¾	4350	3200	1500	45
50	10	5650	5050	3900	9¼	5250	4500	3150	8½	4850	3950	2450	50
55	10¾	6150	5650	4750	10	5700	5100	4000	9¼	5300	4600	3300	55
60	11½	6650	6200	5500	10¾	6150	5650	4750	10	5750	5150	4100	60
65	12¼	**7100**	**6750**	**6150**	11½	**6600**	**6150**	**5450**	10¾	6150	5650	4750	65
70	13	7500	7200	6650	12¼	6950	6600	6000	11½	**6500**	**6100**	**5300**	70
75	13¾	7900	7600	7150	12¾	7300	7000	6500	12	6850	6500	5800	75
80	14½	8250	8000	7550	13¼	7650	7350	6900	12½	7150	6850	6250	80

FELLING YIELDS (*contd*)

Age	Yield Class 180				Yield Class 160				Yield Class 140				Age
	Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			
		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches	
30													30
35	5¾	2900	900	100									35
40	6¼	3450	1700	450	6	3150	1100	200	5½	2800	650	100	40
45	7¼	3950	2600	1000	6¾	3600	1950	600	6¼	3250	1250	300	45
50	8	4450	3350	1700	7½	4050	2650	1100	6¾	3600	1950	600	50
55	8¾	4850	3950	2450	8	4450	3300	1700	7¼	3950	2600	1000	55
60	9¼	5250	4500	3200	8½	4800	3900	2350	7¾	4300	3100	1500	60
65	10	5600	5000	3850	9	5150	4400	3000	8¼	4650	3650	2050	65
70	10½	**5950**	**5450**	**4500**	9½	**5450**	**4800**	**3600**	8¾	4950	4100	2650	70
75	11	6250	5850	5000	10	5750	5200	4100	9¼	**5200**	**4500**	**3150**	75
80	11½	6550	6150	5450	10½	6050	5500	4550	9½	5450	4800	3600	80

Oak

ANNUAL* THINNING YIELDS

Age	Yield Class 80				Yield Class 60				Yield Class 40				Age
	Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			
		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches	
25													25
30		48											30
35	3	48			3	36							35
40	4	48	2			36				24			40
45	5	48	6		4	36	1		3	24			45
50		48	12	1	5	36	4			24			50
55	6	48	20	4		36	8	1	4	24	1		55
60	7	48	30	10	6	36	13	2		24	2		60
65		48	35	17		36	18	5	5	24	4		65
70	8	48	39	23	7	36	23	9		24	7	1	70
75	9	48	41	29	8	36	27	14	6	24	10	2	75
80	10	48	43	33		36	29	18		24	13	3	80
85		48	44	37	9	36	31	22	7	24	15	5	85
90	11	48	45	40		36	32	25		24	17	7	90
95	12	48	46	42	10	36	33	27	8	24	18	10	95
100		48	46	43	11	36	34	29		24	19	12	100
105						36	34	30	9	24	20	14	105
110										24	21	15	110
115										24	21	15	115

* Although entries are five-yearly, thinning yields shown are *annual*, e.g. In first volume column, thinning yield from age 40 to age 44 inclusive (5 thinnings) = 48 × 5 = 240 hoppus feet.

Oak

FELLING YIELDS

Age	Yield Class 80				Yield Class 60				Yield Class 40				Age
	Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			
		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches	
30	3¼	940											30
35	4¼	1150	80		4	890	20						35
40	5¼	1390	320	30	4¾	1060	90						40
45	6¼	1640	720	160	5¼	1240	280	30	4¾	850	40		45
50	7¼	1870	1190	450	6¼	1410	580	120	5	980	130	10	50
55	8	2070	1580	850	7	1580	940	330	5¼	1100	270	30	55
60	8¾	2240	1880	1240	7¾	1730	1250	600	6¼	1220	480	90	60
65	9¾	2390	2120	1590	8½	1870	1510	910	6¾	1330	720	220	65
70	10½	2520	2310	1900	9¼	1980	1710	1210	7½	1440	940	380	70
75	11¼	**2620**	**2450**	**2130**	10	2090	1870	1450	8	1530	1150	600	75
80	12	2700	2560	2310	10¾	2180	2000	1670	8½	1620	1310	790	80
85	12¾	2760	2650	2450	11¼	**2260**	**2110**	**1840**	9	1700	1440	970	85
90	13½	2810	2710	2550	12	2320	2190	1970	9½	1760	1550	1140	90
95	14¼	2840	2760	2630	12¾	2360	2250	2070	10	**1810**	**1640**	**1300**	95
100	15	2870	2810	2680	13¼	2390	2300	2150	10½	1850	1690	1410	100
105	15¾	2890	2840	2720	13¾	2410	2350	2200	11	1870	1740	1500	105
110	16¼	2900	2860	2750	14¼	2430	2370	2250	11½	1890	1770	1560	110
115	16¾	2910	2870	2770	14¾	2440	2390	2310	12	1890	1790	1610	115
120	17¼	2910	2880	2790	15¼	2450	2410	2320	12½	1900	1810	1650	120
125	17¾	2910	2880	2800	15¾	2460	2420	2330	12¾	1900	1820	1680	125
130	18¼	2910	2880	2810	16¼	2460	2420	2340	13¼	1900	1830	1700	130
135	18¾	2910	2880	2810	16¾	2450	2420	2350	13½	1900	1830	1710	135
140	19¼	2900	2870	2810	17	2450	2420	2350	13¾	1890	1830	1720	140
145	19¾	2900	2870	2810	17½	2450	2420	2350	14	1890	1830	1730	145
150	20¼	2890	2860	2810	17¾	2440	2410	2350	14¼	1880	1830	1730	150

Beech

ANNUAL* THINNING YIELDS

Age	Yield Class 100				Yield Class 80				Age
	Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			
		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches	
30	3	60				48			30
35		60			3	48			35
40	4	60				48			40
45		60	2		4	48			45
50	5	60	11	1		48	2		50
55	6	60	25	5	5	48	6		55
60	7	60	37	14	6	48	15	2	60
65	8	60	46	25	7	48	25	7	65
70		60	51	35		48	33	14	70
75	9	60	54	42	8	48	37	21	75
80	10	60	54	46		48	41	28	80
85		60	54	47	9	48	42	32	85
90						48	43	35	90
95									95
100									100
105									105
110									110
115									115

ANNUAL* THINNING YIELDS (*contd*)

Age	Yield Class 60				Yield Class 40				Age
	Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			
		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches	
30									30
35		36							35
40	3	36				24			40
45		36			3	24			45
50	4	36				24			50
55		36	1			24			55
60	5	36	3		4	24			60
65		36	7			24			65
70	6	36	12	2	5	24	1		70
75		36	18	5		24	3		75
80	7	36	23	9		24	5		80
85		36	26	13	6	24	7	1	85
90	8	36	29	17		24	10	2	90
95	9	36	30	21	7	24	13	4	95
100		36	31	23		24	15	6	100
105						24	17	8	105
110					8	24	18	10	110
115						24	19	11	115

* Although entries are five-yearly, thinning yields shown are *annual*.

Beech

FELLING YIELDS

Age	Yield Class 100				Yield Class 80				Age
	Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			
		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches	
35	4¼	1400	40						35
40	5¼	1680	350	20	4¼	1230	30		40
45	6¼	1950	860	210	5	1450	230		45
50	7¼	2240	1490	580	6	1690	610	100	50
55	8¼	2520	2020	1130	7	1930	1120	360	55
60	9¼	2780	2430	1720	7¾	2160	1580	770	60
65	10¼	3020	2750	2220	8¾	2370	1960	1230	65
70	11¼	3240	3020	2600	9½	2570	2250	1660	70
75	12¼	3420	3250	2920	10¼	2740	2500	2030	75
80	13	3580	3440	3170	11¼	2880	2700	2320	80
85	13¾	**3720**	**3610**	**3390**	12	3030	2870	2580	85
90	14½	3860	3760	3570	12¾	**3150**	**3020**	**2780**	90
95	15¼	3970	3890	3730	13½	3260	3160	2940	95
100	16	4070	4020	3880	14¼	3360	3280	3100	100
105	16¾	4170	4120	4000	14¾	3450	3390	3220	105
110	17¾	4260	4210	4100	15½	3540	3480	3340	110
115	18¼	4340	4290	4200	16	3610	3560	3440	115
120	19	4400	4360	4270	16¾	3670	3630	3520	120
125	19¾	4460	4410	4320	17½	3720	3680	3580	125
130	20½	4500	4460	4360	18	3760	3730	3640	130
135	21¼	4530	4490	4400	18½	3790	3760	3680	135
140	21¾	4550	4510	4420	19¼	3810	3780	3700	140
145	22½	4570	4520	4430	20	3820	3790	3720	145
150	23	4580	4530	4440	20½	3830	3800	3720	150

Beech

FELLING YIELDS

Age	Yield Class 60				Yield Class 40				Age
	Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			
		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches	
35									35
40									40
45	4	1000	30						45
50	4¾	1170	120		3½	70			50
55	5½	1360	320	40	4	820	20		55
60	6¼	1540	650	150	4½	960	70		60
65	7	1720	1030	360	5¼	1090	180	10	65
70	7¾	1900	1370	650	5¾	1220	360	40	70
75	8½	2070	1650	990	6¼	1340	590	130	75
80	9¼	2210	1890	1310	6¾	1460	840	270	80
85	10	2340	2090	1600	7¼	1580	1060	450	85
90	10½	2450	2250	1850	8	1680	1260	650	90
95	11¼	2560	2380	2060	8½	1760	1430	850	95
100	11¾	2640	2500	2240	9	1840	1570	1050	100
105	12½	2720	2600	2380	9½	1910	1680	1240	105
110	13	2800	2690	2500	10	1970	1770	1400	110
115	13½	2870	2780	2600	10½	2020	1850	1530	115
120	14¼	2930	2850	2700	11	2070	1920	1650	120
125	14¾	2980	2910	2780	11½	2110	1980	1750	125
130	15¼	3020	2960	2840	12	2150	2030	1830	130
135	15¾	3050	3010	2900	12½	2180	2080	1900	135
140	16¼	3070	3040	2940	13	2200	2110	1950	140
145	16¾	3080	3050	2950	13¼	2210	2130	1980	145
150	17¼	3090	3060	2960	13¾	2220	2140	2010	150

Sycamore, Ash and Birch

THINNING YIELDS

Age	Yield Class 120				Yield Class 100				Yield Class 80				Age
	Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			
		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches	
16	3	72											16
17		72			3	60							17
18		72				60							18
19	4	72	1			60				48			19
20		72	3			60			3	48			20
21		72	5		4	60				48			21
22	5	72	9			60				48			22
23		72	13			60	2			48			23
24		72	19	2		60	5		4	48			24
25	6	72	26	5	5	60	8			48	1		25
26		72	33	9		60	11			48	2		26
27		72	39	13		60	15	1		48	3		27
28	7	72	44	17	6	60	19	3		48	5		28
29		72	49	21		60	24	5	5	48	7		29
30		72	52	26		60	29	8		48	9	1	30
31	8	72	55	32		60	33	11		48	11	1	31
32		72	58	37	7	60	37	14		48	13	2	32
33	9	72	60	41		60	40	17	6	48	16	3	33
34		72	61	45		60	43	21		48	19	4	34
35		72	63	49	8	60	45	24		48	21	5	35
36	10	72	64	52		60	47	28		48	24	7	36
37		72	65	54		60	49	31		48	27	8	37
38		72	66	56	9	60	50	33	7	48	29	10	38
39	11	72	67	57		60	51	36		48	31	12	39
40		72	67	59		60	52	38		48	33	14	40
41						60	53	40		48	35	16	41
42										48	36	18	42
43										48	37	19	43
44													44
45													45
46													46
47													47
48													48
49													49
50													50

Sycamore, Ash and Birch

THINNING YIELDS

Age	Yield Class 60				Yield Class 40				Age
	Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			
		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches	
16									16
17									17
18									18
19									19
20									20
21		36							21
22		36							22
23	3	36							23
24		36							24
25		36				24			25
26		36				24			26
27		36				24			27
28		36				24			28
29	4	36	1		3	24			29
30		36	1			24			30
31		36	1			24			31
32		36	2			24			32
33		36	2			24			33
34		36	3			24			34
35	5	36	4			24			35
36		36	5			24			36
37		36	6			24	1		37
38		36	7			24	1		38
39		36	8		4	24	1		39
40		36	9	1		24	1		40
41		36	11	1		24	1		41
42	6	36	12	2		24	1		42
43		36	14	2		24	1		43
44		36	15	3		24	2		44
45		36	16	4		24	2		45
46		36	17	4		24	2		46
47						24	2		47
48						24	3		48
49						24	3		49
50						24	3		50

Sycamore, Ash and Birch

FELLING YIELDS

Age	Yield Class 120				Yield Class 100				Yield Class 80				Age
	Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			
		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches	
20	5	850	100										20
25	7	1250	700	200	5¾	1050	300	50					25
30	8¾	1600	1350	850	7¼	1400	900	400	6	1150	400	50	30
35	10¼	1900	1750	1400	9	1650	1400	900	7¼	1350	850	350	35
40	12	2150	2050	1800	10¼	1850	1650	1300	8¼	1550	1200	700	40
45	13	2350	2250	2100	11¼	2050	1900	1650	9¼	1700	1450	1050	45
50	14	2550	2450	2350	12¼	2200	2100	1900	10	1850	1650	1300	50
55	15	2750	2650	2550	13	2350	2250	2100	10¾	1950	1800	1500	55
60	15¾	2900	2850	2750	13¼	2500	2400	2250	11¼	2050	1950	1650	60
65	16½	3050	3000	2900	14	2600	2550	2400	11¾	2150	2050	1800	65
70	17	3150	3100	3000	14¾	2700	2650	2500	12¼	2250	2150	1900	70
75	17½	3200	3200	3100	15	2800	2750	2600	12¼	2300	2200	2000	75
80	18	3250	3250	3150	15½	2850	2800	2700	12¾	2350	2250	2050	80

FELLING YIELDS (*contd*)

Age	Yield Class 60				Yield Class 40				Age
	Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			Mean BHQG ins.	Volume (h. ft.) to top diameter o. b. of			
		3 inches	7 inches	9 inches		3 inches	7 inches	9 inches	
20									20
25									25
30	4¾	850	100						30
35	5¾	1100	300	50	4¼	750	50		35
40	6½	1250	600	150	4¾	900	100		40
45	7¼	1350	850	350	5¼	1000	200		45
50	8	1450	1100	550	5¾	1050	350	50	50
55	8½	1550	1250	750	6¼	1150	450	100	55
60	9	1650	1350	900	6½	1200	600	150	60
65	9¼	1700	1450	1050	6¾	1250	700	200	65
70	9¾	1750	1550	1150	7	1300	800	300	70
75	10	1800	1650	1250	7¼	1350	850	350	75
80	10¼	1850	1700	1350	7¼	1350	950	400	80

Normal Yield Tables

UNITS USED

These are set out briefly, in sequence of appearance, below. For full details, *see* Appendix I page 214.

Age in *years.*
Top height in *feet.*

Mean B.H.Q.G. = Mean breast-height quarter-girth, in *inches.*

Basal Area in *square feet, quarter-girth measure.*
Volumes in *hoppus feet.*

C.A.I. = Current Annual Increment in *square feet, quarter-girth measure* and *hoppus feet.*

M.A.I. = Mean Annual Increment in *hoppus feet.*

NOTE

The entries in the tables relate to one acre of fully stocked woodland. A suitable reduction must be made for roads, gaps, and other forms of unproductive area.

Scots Pine

NORMAL YIELD TABLE: YIELD CLASS **160**

Age	MAIN CROP After Thinning							Yield From THINNINGS						TOTAL Production		INCREMENT			Age
	Number of Trees	Top Height	Mean BHQG	Basal Area	Volume (h. ft.) to top diameter o.b. of			Number of Trees	Mean BHQG	Av. Vol. per Tree	Volume (h. ft.) to top diameter o.b. of			Basal Area	Volume to 3 inches	C.A.I.		M.A.I.	
					3 inches	7 inches	9 inches				3 inches	7 inches	9 inches			Basal area	Volume to 3 inches	Volume to 3 inches	
		feet	ins.	sq. ft. q. g.					ins.	h. ft.				sq. ft. q. g.	h. ft.				
15	1650	27½	2¾	86	750	—	—	—	—	—	—	—	—	86	750	7.3	130	50	15
20	765	36	3½	65	1020	—	—	885	3	0.80	480	—	—	122	1500	7.2	168	75	20
25	478	44	4¾	71	1380	120	—	287	4	1.95	560	10	—	158	2420	7.0	194	97	25
30	333	51	6	80	1830	610	95	145	5	3.86	560	80	—	192	3430	6.7	208	114	30
35	250	57½	7¼	90	2330	1500	580	83	6¼	6.74	560	240	50	224	4490	6.3	213	128	35
40	199	63¼	8½	100	2840	2350	1420	51	7¼	11.00	560	385	170	254	5560	5.8	214	139	40
45	166	69	9¾	110	3350	3015	2270	33	8¾	16.7	560	470	290	282	6630	5.3	210	147	45
50	142	74½	11	119	3820	3590	3020	24	10	23.0	560	510	400	308	7660	4.9	201	153	50
55	125	79	12¼	128	4255	4095	3650	17	11¼	30.6	535	500	440	331	8630	4.5	189	157	55
60	112	83¼	13¼	135	4685	4540	4290	13	12½	38.0	490	470	430	352	9550	4.0	177	159	60
65	102	87	14¼	142	5085	4950	4650	10	13½	46.2	450	435	410	371	10400	3.6	163	160	65
70	94	90½	15	147	5455	5310	5050	8	14½	54.3	410	395	375	388	11180	3.2	149	160	70
75	88	93½	15¾	152	5790	5650	5390	6	15¼	62.4	370	360	340	403	11885	2.8	134	159	75
80	83	96	16½	156	6095	5970	5700	5	16	70.0	330	320	310	416	12520	2.4	120	157	80
85	79	98	17	159	6365	6240	5980	4	16¾	77.2	295	290	275	427	13085	2.1	106	154	85
90	76	100	17½	162	6600	6480	6220	3	17	83.6	260	255	240	437	13580	1.8	92	151	90
95	73	101½	18	165	6805	6680	6410	3	17½	88.6	225	220	210	446	14010	1.5	79	147	95
100	71	103	18½	167	6970	6850	6580	2	18	94.5	195	190	180	453	14370	1.3	68	144	100

YIELD CLASS 140

15	1720	24½	2½	75	560	—	—	—	—	—	—	—	—	75	560	6.4	103	37	15
20	940	32	3¼	65	900	—	—	780	2¾	0.50	270	—	—	107	1170	6.5	137	59	20
25	606	39½	4	69	1170	40	—	334	3½	1.40	490	—	—	139	1930	6.4	164	77	25
30	420	46½	5	76	1540	250	10	186	4¼	2.60	490	25	—	171	2790	6.2	181	93	30
35	310	53	6¼	85	1990	870	200	110	5¼	4.60	490	100	10	202	3730	5.9	191	107	35
40	243	59	7½	95	2470	1700	735	67	6½	7.60	490	230	60	230	4700	5.5	195	118	40
45	200	64	8¾	104	2950	2400	1505	43	7¾	11.4	490	345	160	257	5670	5.1	191	126	45
50	170	69	9¾	112	3400	3000	2290	30	8¾	16.3	490	410	260	282	6610	4.7	183	132	50
55	148	73½	10¾	120	3800	3500	2960	22	10	22.0	490	440	340	304	7500	4.3	173	136	55
60	132	77½	11¾	127	4180	3950	3520	16	11	28.0	460	425	360	324	8340	3.9	162	139	60
65	120	81	12¾	134	4540	4350	4000	12	12	34.2	420	400	355	343	9120	3.5	149	140	65
70	110	84½	13¾	139	4870	4700	4405	10	12¾	40.7	380	360	335	359	9830	3.1	136	140	70
75	102	87½	14¾	143	5180	5020	4760	8	13¾	46.8	340	325	305	373	10480	2.7	123	140	75
80	96	90	15	147	5460	5310	5060	6	14¼	53.1	300	290	275	386	11060	2.3	110	138	80
85	91	92	15½	150	5715	5570	5320	5	14¾	58.7	265	260	245	397	11580	2.0	97	136	85
90	87	94	16	153	5935	5800	5540	4	15¼	64.0	230	225	215	406	12030	1.7	84	134	90
95	84	95½	16½	156	6125	6000	5725	3	15¾	69.0	200	195	185	414	12420	1.4	72	131	95
100	82	97	16¾	158	6285	6160	5890	2	16¼	72.8	170	165	160	421	12750	1.2	61	127	100

YIELD CLASS 120

15	1780	21½	2¼	63	360	—	—	—	—	—	—	—	—	63	360	5.4	77	28	15
20	1280	28½	2¾	68	780	—	—	500	2½	0.10	50	—	—	91	830	5.7	107	42	20
25	796	35½	3¼	67	960	—	—	484	3	0.87	420	—	—	120	1430	5.8	132	57	25
30	548	41½	4¼	71	1260	60	—	248	3¾	1.69	420	—	—	149	2150	5.7	152	72	30
35	402	47½	5¼	79	1630	330	30	146	4½	2.80	420	30	—	177	2940	5.5	164	84	35
40	309	53½	6¼	87	2055	935	230	93	5¼	4.80	420	90	10	204	3785	5.2	171	95	40
45	249	58½	7½	95	2490	1680	700	60	6¼	7.40	420	190	45	229	4640	4.8	170	103	45
50	208	63	8½	103	2910	2340	1390	41	7½	10.6	420	280	115	252	5480	4.5	165	110	50
55	179	67½	9½	110	3300	2880	2080	29	8¼	14.4	420	335	195	273	6290	4.1	157	114	55
60	158	71½	10¼	117	3640	3320	2670	21	9¼	19.0	420	365	260	293	7050	3.7	146	117	60
65	142	75	11	123	3955	3690	3190	16	10¼	23.8	390	355	285	310	7755	3.3	135	119	65
70	130	78	11¾	129	4250	4030	3620	12	11	28.4	350	325	280	326	8400	2.9	122	120	70
75	121	80½	12½	133	4520	4320	3970	9	11¾	33.0	310	290	265	340	8980	2.5	111	120	75
80	114	83	13¼	137	4770	4600	4280	7	12½	37.6	275	260	240	352	9505	2.2	99	119	80
85	108	85	13¾	141	4995	4830	4530	6	13	42.0	240	230	210	363	9970	1.9	87	117	85
90	103	87	14¼	144	5200	5040	4750	5	13½	46.0	205	200	190	372	10380	1.6	76	115	90
95	99	88½	14¾	146	5380	5220	4950	4	14	49.5	175	170	160	379	10735	1.3	65	113	95
100	96	90	14¾	148	5530	5370	5100	3	14¼	52.5	145	140	130	385	11030	1.1	54	110	100

Table 55 (contd)

Scots Pine (Continued)

YIELD CLASS 100

Age	MAIN CROP After Thinning							Yield From THINNINGS						TOTAL Production		INCREMENT			Age
	Number of Trees	Top Height	Mean BHQG	Basal Area	Volume (h. ft.) to top diameter o.b. of			Number of Trees	Mean BHQG	Av. Vol. per Tree	Volume (h. ft.) to top diameter o.b. of			Basal Area	Volume to 3 inches	C.A.I.		M.A.I.	
					3 inches	7 inches	9 inches				3 inches	7 inches	9 inches			Basal area	Volume to 3 inches	Volume to 3 inches	
		feet	ins.	sq. ft. q. g.					ins.	h. ft.				sq. ft. q. g.	h. ft.				
20	1740	24½	2½	74	550	—	—	—	—	—	—	—	—	74	550	4.9	70	28	20
25	1105	30½	3	66	780	—	—	635	2¾	0.40	210	—	—	99	990	5.1	102	40	25
30	760	36½	3½	68	1000	—	—	345	3½	0.82	350	—	—	125	1560	5.2	124	52	30
35	550	42	4¼	73	1310	75	—	210	3¾	1.63	350	5	—	150	2220	5.1	136	63	35
40	417	47½	5¼	80	1660	310	20	133	4½	2.79	350	20	—	175	2920	4.9	142	73	40
45	330	52½	6¼	87	2030	820	170	87	5¼	4.40	350	65	5	199	3640	4.6	144	81	45
50	272	56½	7¼	94	2400	1465	510	58	6	6.42	350	130	30	221	4360	4.2	143	87	50
55	231	60½	8	100	2760	2055	1060	41	6¾	8.82	350	200	65	241	5070	3.8	139	92	55
60	202	64½	8¾	106	3090	2550	1645	29	7¾	11.8	350	255	120	259	5750	3.5	132	96	60
65	180	68	9½	112	3380	2970	2175	22	8¼	15.2	350	285	170	276	6390	3.1	122	98	65
70	163	71	10¼	118	3640	3305	2630	17	9¼	18.4	320	280	195	290	6970	2.7	110	100	70
75	150	73½	10¾	122	3875	3585	3020	13	10	21.9	285	260	195	304	7490	2.4	99	100	75
80	140	75½	11¼	126	4085	3830	3340	10	10½	25.0	250	230	190	315	7950	2.1	87	99	80
85	132	77½	11¾	130	4280	4045	3620	8	11	28.0	215	200	170	325	8360	1.8	77	98	85
90	126	79½	12¼	133	4460	4245	3865	6	11½	30.9	180	170	150	334	8720	1.5	67	97	90
95	121	81	12½	135	4620	4420	4065	5	11¾	33.5	150	140	125	341	9030	1.2	57	95	95
100	118	82	12¾	137	4760	4575	4220	3	12	35.7	120	115	100	346	9290	1.0	47	93	100

YIELD CLASS 80

25	1710	25¼	2½	78	620	—	—	—	—	—	—	—	—	78	620	4.3	68	25	25
30	1120	31	3	67	760	—	—	590	2¾	0.45	260	—	—	100	1020	4.5	91	34	30
35	810	36	3½	69	980	—	—	310	3	0.90	280	—	—	123	1520	4.5	106	43	35
40	610	41	4¼	74	1255	50	—	200	3½	1.45	280	—	—	145	2075	4.4	115	52	40
45	475	45½	5	79	1565	170	—	135	4	2.20	280	10	—	167	2665	4.2	119	59	45
50	386	50	5¾	85	1880	505	65	89	4¾	3.20	280	30	—	187	3260	3.9	119	65	50
55	314	53½	6½	90	2190	1035	250	62	5½	4.70	280	65	5	206	3850	3.6	117	70	55
60	270	57	7¼	96	2490	1550	575	44	6¼	6.70	280	110	20	223	4430	3.3	113	74	60
65	238	60	7¾	101	2760	2020	990	32	6¾	8.90	280	155	50	238	4980	3.0	106	77	65
70	214	63	8½	106	2990	2400	1425	24	7½	11.4	280	185	80	252	5490	2.6	98	78	70
75	196	65½	9	110	3205	2710	1830	18	8	13.7	255	190	100	265	5960	2.3	89	79	75
80	182	68	9⅓	114	3400	2980	2180	14	8½	15.8	225	180	110	276	6380	2.0	77	80	80
85	171	70	10	117	3570	3195	2480	11	9	17.7	190	160	110	285	6740	1.7	68	79	85
90	163	71½	10¼	120	3720	3385	2730	8	9½	19.4	160	135	100	293	7050	1.4	58	78	90
95	157	72½	10½	123	3860	3545	2950	6	9¾	20.9	130	110	85	299	7320	1.1	48	77	95
100	153	73½	10¾	125	3980	3685	3120	4	10	22.3	100	90	70	305	7540	0.9	40	75	100

YIELD CLASS 60

30	1720	25	2½	76	600	—	—	—	—	—	—	—	—	76	600	3.8	58	20	30
35	1235	30	2¾	70	720	—	—	485	2¾	0.43	210	—	—	95	930	3.8	73	27	35
40	925	34½	3¼	70	910	—	—	310	3	0.68	210	—	—	114	1330	3.8	84	33	40
45	710	38½	3¾	72	1140	15	—	215	3½	0.98	210	—	—	133	1770	3.7	90	39	45
50	566	42½	4¼	76	1390	85	—	144	3¾	1.45	210	—	—	151	2230	3.5	93	45	50
55	467	46	5	80	1650	230	10	99	4¼	2.15	210	10	—	168	2700	3.3	94	49	55
60	397	49	5½	85	1910	485	60	70	4¾	3.00	210	20	—	184	3170	3.0	92	53	60
65	346	52	6	90	2150	850	165	51	5¼	4.15	210	40	—	198	3620	2.8	87	56	65
70	307	55	6¼	95	2365	1240	365	39	5½	5.40	210	60	5	211	4045	2.5	82	58	70
75	277	57	7	99	2550	1615	605	30	6	6.90	210	85	15	223	4440	2.2	75	59	75
80	254	59	7½	102	2710	1920	875	23	6½	8.60	200	100	25	233	4800	1.9	68	60	80
85	237	61	8	105	2860	2175	1140	17	7	10.1	170	100	35	242	5120	1.6	59	60	85
90	225	62½	8¼	108	2990	2380	1385	12	7¼	11.3	140	90	35	249	5390	1.3	50	60	90
95	216	63¼	8½	111	3105	2540	1580	9	7½	12.4	110	75	35	255	5615	1.0	41	59	95
100	210	64	8¾	113	3210	2670	1680	6	7¾	13.4	80	60	30	260	5800	0.8	33	58	100

Corsican Pine

NORMAL YIELD TABLE: YIELD CLASS **220**

Age	MAIN CROP After Thinning							Yield From THINNINGS						TOTAL Production		INCREMENT			Age
	Number of Trees	Top Height	Mean BHQG	Basal Area	Volume (h. ft.) to top diameter o.b. of			Number of Trees	Mean BHQG	Av. Vol. per Tree	Volume (h. ft.) to top diameter o.b. of			Basal Area	Volume to 3 inches	C.A.I.		M.A.I.	
					3 inches	7 inches	9 inches				3 inches	7 inches	9 inches			Basal area	Volume to 3 inches	Volume to 3 inches	
		feet	ins.	sq. ft. q. g.					ins.	h. ft.				sq. ft. q. g.	h. ft.				
15	940	29½	3½	80	1090	—	—	760	3	0.42	320	—	—	127	1410	10.4	236	94	15
20	525	40½	4¾	85	1610	180	—	415	4	1.86	770	15	—	175	2700	8.5	268	135	20
25	337	50½	6¼	90	2230	915	190	188	5	4.10	770	115	5	213	4090	7.0	285	164	25
30	246	60	7½	96	2910	2000	870	91	6½	8.46	770	360	90	246	5540	6.1	296	185	30
35	194	68½	8¾	103	3630	3010	1915	52	7¾	14.8	770	560	270	274	7030	5.3	293	201	35
40	161	76½	10	110	4280	3840	2970	33	9	23.3	770	650	435	300	8450	4.7	275	211	40
45	139	83½	11	116	4900	4560	3885	22	10	32.3	710	645	510	322	9780	4.1	254	217	45
50	123	89½	12	122	5495	5200	4665	16	11	37.9	625	585	500	341	11000	3.6	233	220	50
55	111	94½	12¾	127	6070	5820	5365	12	12	46.5	535	505	460	358	12110	3.2	213	220	55
60	102	99	13½	131	6630	6400	5990	9	13	54.1	460	440	410	373	13130	2.8	194	219	60
65	95	103½	14¼	135	7140	6930	6530	7	13¾	62.9	410	395	370	386	14050	2.4	176	216	65
70	90	107	15	139	7595	7390	6995	5	14½	76.0	375	365	350	397	14880	2.1	158	213	70
75	86	110	15½	143	7985	7780	7400	4	15¼	87.5	360	350	335	407	15630	1.9	142	209	75
80	83	112½	16	146	8305	8120	7745	3	15¾	99.0	350	340	325	416	16300	1.7	126	204	80

YIELD CLASS 200

15	1065	27½	3¼	82	1020	—	—	635	3	0.31	200	—	—	119	1220	9.9	210	81	15
20	595	38	4½	86	1500	105	—	470	3¾	1.49	700	—	—	166	2400	8.2	246	120	20
25	385	47¼	5¾	90	2070	620	100	210	4¾	3.33	700	70	—	203	3670	6.8	260	147	25
30	280	56½	7	95	2700	1590	560	105	6	6.67	700	245	40	235	5000	5.9	271	167	30
35	219	65	8¼	101	3360	2600	1450	61	7¼	11.5	700	435	160	262	6360	5.1	268	182	35
40	181	72½	9¼	107	3960	3410	2400	38	8¼	18.4	700	550	310	286	7660	4.5	252	191	40
45	155	79	10¼	113	4500	4090	3250	26	9¼	25.5	670	580	410	307	8870	4.0	234	197	45
50	137	84½	11¼	118	5030	4700	4040	18	10¼	31.7	590	540	440	326	9990	3.5	216	200	50
55	124	89½	12	123	5555	5270	4720	13	11¼	37.3	505	470	405	342	11020	3.0	197	200	55
60	114	94	12¾	127	6065	5820	5340	10	12	44.0	430	405	365	356	11960	2.6	180	199	60
65	106	98	13½	131	6545	6320	5880	8	12¾	50.7	380	365	335	368	12820	2.3	162	197	65
70	100	101¼	14	135	6965	6760	6340	6	13½	61.4	350	335	315	379	13590	2.0	146	194	70
75	95	104½	14¼	138	7320	7115	6730	5	14	70.9	335	320	305	389	14280	1.8	130	190	75
80	91	107	15	141	7605	7400	7025	4	14½	81.3	325	315	300	398	14890	1.6	114	186	80

YIELD CLASS 180

15	1240	25½	3¼	83	960	—	—	460	3	0.17	80	—	—	110	1040	9.4	182	69	15
20	710	35½	4¼	86	1360	55	—	530	3½	1.19	630	—	—	155	2070	8.0	219	104	20
25	455	44½	5¼	90	1870	385	30	255	4¼	2.47	630	30	—	191	3210	6.6	236	128	25
30	323	53	6½	94	2450	1150	310	132	5¼	4.77	630	135	15	221	4420	5.7	244	147	30
35	251	60½	7½	99	3040	2130	935	72	6¼	8.75	630	305	80	248	5640	4.9	240	161	35
40	206	67½	8½	104	3590	2930	1800	45	7½	14.00	630	440	195	271	6820	4.3	228	171	40
45	176	74	9½	109	4090	3600	2630	30	8½	20.3	610	495	300	291	7930	3.8	214	176	45
50	155	79	10¼	114	4570	4170	3350	21	9½	26.2	550	475	345	309	8960	3.3	198	179	50
55	140	84	11	118	5050	4700	4035	15	10¼	31.3	470	425	340	324	9910	2.9	181	180	55
60	128	88	11¾	122	5510	5210	4640	12	11	34.9	400	370	315	338	10770	2.5	164	180	60
65	119	92	12½	126	5940	5670	5160	9	11¾	41.0	350	330	290	350	11550	2.2	148	178	65
70	112	95	13	129	6315	6060	5590	7	12¼	50.0	325	310	280	360	12250	1.9	132	175	70
75	107	98	13½	132	6625	6380	5950	5	12¾	58.1	310	295	275	369	12870	1.7	117	172	75
80	102	100½	13¾	135	6875	6650	6240	5	13¼	65.5	300	290	270	377	13420	1.5	102	168	80

Corsican Pine (Continued)

NORMAL YIELD TABLE: YIELD CLASS 160

Age	MAIN CROP After Thinning							Yield From THINNINGS						TOTAL Production		INCREMENT			Age
	Number of Trees	Top Height	Mean BHQG	Basal Area	Volume (h. ft.) to top diameter o.b. of			Number of Trees	Mean BHQG	Av. Vol. per Tree	Volume (h. ft.) to top diameter o.b. of			Basal Area	Volume to 3 inches	C.A.I.		M.A.I.	
					3 inches	7 inches	9 inches				3 inches	7 inches	9 inches			Basal area	Volume to 3 inches	Volume to 3 inches	
		feet	ins.	sq. ft. q. g.					ins.	h. ft.				sq. ft. q. g.	h. ft.				
15	1660	23½	3	99	870	—	—	—	—	—	—	—	—	99	870	9.5	152	58	15
20	855	32½	3¾	89	1240	15	—	805	3¼	0.63	510	—	—	143	1750	7.7	193	88	20
25	540	41	4¾	90	1700	200	—	315	4	1.78	560	5	—	178	2770	6.4	210	111	25
30	381	49	5¾	93	2210	770	140	159	4¾	3.52	560	70	—	207	3840	5.5	216	128	30
35	293	56½	6¾	97	2740	1600	535	88	5¾	6.36	560	185	30	233	4930	4.7	215	141	35
40	238	63	7¾	102	3240	2400	1210	55	6¾	10.2	560	310	100	255	5990	4.1	207	150	40
45	202	69	8¾	106	3690	3070	1950	36	7¾	15.3	560	400	190	274	7000	3.6	194	156	45
50	177	74	9½	110	4120	3620	2650	25	8½	20.0	510	415	250	291	5940	3.2	180	159	50
55	159	78½	10¼	114	4545	4130	3280	18	9¼	23.5	435	375	265	306	8800	2.8	164	160	55
60	145	82½	10¾	118	4955	4580	3860	14	10	27.4	370	330	255	319	9580	2.4	148	160	60
65	135	86	11¼	121	5330	4995	4370	10	10¼	33.5	325	295	245	330	10280	2.1	133	158	65
70	127	89	11¾	124	5660	5355	4790	8	11	39.9	300	280	240	340	10910	1.8	119	156	70
75	121	92	12¼	127	5945	5660	5150	6	11½	46.0	285	265	235	349	11480	1.6	106	153	75
80	116	94	12¾	129	6170	5900	5445	5	12	52.3	275	260	230	356	11980	1.4	92	150	80

YIELD CLASS 140

15	1700	21½	2¾	88	690	—	—	—	—	—	—	—	—	88	690	9.2	132	46	15
20	1030	30	3½	89	1120	—	—	670	3	0.49	330	—	—	129	1450	7.5	168	73	20
25	655	38	4½	91	1530	100	—	375	3½	1.31	490	—	—	163	2350	6.3	186	94	25
30	456	45	5½	93	1990	465	50	199	4½	2.46	490	25	—	192	3300	5.3	191	110	30
35	348	52	6¼	96	2460	1060	235	108	5¼	4.54	490	100	10	216	4260	4.6	190	122	35
40	282	58	7	100	2900	1785	650	66	6	7.42	490	195	40	237	5190	4.0	184	130	40
45	238	63½	7¾	104	3310	2460	1250	44	6¾	11.0	490	290	90	256	6090	3.5	174	136	45
50	207	68	8½	107	3680	3030	1880	31	7½	14.9	470	330	150	272	6930	3.0	163	139	50
55	185	72½	9¼	111	4070	3530	2490	22	8¼	17.7	390	310	180	286	7710	2.6	149	140	55
60	169	76½	10	114	4440	3970	3060	16	9	21.3	340	280	190	299	8420	2.3	135	140	60
65	157	80	10½	117	4780	4370	3570	12	9¼	25.0	300	255	190	310	9060	2.0	121	139	65
70	147	83	11	120	5080	4710	3990	10	10	28.4	270	245	190	319	9630	1.7	107	137	70
75	139	85½	11¼	122	5330	4990	4330	8	10½	34.0	260	235	190	327	10140	1.5	95	135	75
80	133	87½	11½	124	5530	5210	4620	6	10¾	40.0	250	230	190	334	10590	1.3	84	132	80

YIELD CLASS 120

20	1300	26½	3¼	93	1020	—	—	400	2¾	0.30	120	—	—	114	1140	7.3	140	57	20
25	840	34	4	92	1350	30	—	460	3½	0.91	420	—	—	147	1890	6.1	157	76	25
30	585	40½	4¾	93	1740	190	—	255	3¾	1.65	420	—	—	175	2700	5.1	163	90	30
35	438	46½	5½	95	2140	590	70	147	4½	2.86	420	30	—	199	3520	4.4	163	101	35
40	347	52½	6¼	97	2530	1160	270	91	5¼	4.62	420	85	5	219	4330	3.8	159	108	40
45	288	57½	7	100	2890	1770	640	59	6	7.05	420	160	30	237	5110	3.3	152	114	45
50	249	62	7¾	104	3210	2330	1110	39	6¾	10.6	420	230	70	253	5850	2.9	143	117	50
55	221	66	8¼	107	3540	2820	1620	28	7½	12.6	360	235	95	266	6540	2.5	133	119	55
60	201	69½	8¾	110	3875	3250	2140	20	7¾	14.9	305	225	110	278	7180	2.2	121	120	60
65	185	73	9¼	113	4185	3640	2630	16	8¼	17.4	270	215	125	289	7760	1.9	109	119	65
70	173	76	9¾	115	4460	3970	3040	12	8¾	21.3	245	205	135	297	8280	1.6	96	118	70
75	164	78	10¼	117	4680	4230	3380	9	9¼	25.5	230	200	140	305	8730	1.4	85	116	75
80	156	80	10½	119	4855	4440	3650	8	9½	29.0	225	200	145	312	9130	1.2	74	114	80

Table 56 (contd)

Corsican Pine (Continued)

NORMAL YIELD TABLE: YIELD CLASS 100

Age	MAIN CROP After Thinning							Yield From THINNINGS						TOTAL Production		INCREMENT			Age
	Number of Trees	Top Height	Mean BHQG	Basal Area	Volume (h. ft.) to top diameter o.b. of			Number of Trees	Mean BHQG	Av. Vol. per Tree	Volume (h. ft.) to top diameter o.b. of			Basal Area	Volume to 3 inches	C.A.I.		M.A.I.	
					3 inches	7 inches	9 inches				3 inches	7 inches	9 inches			Basal area	Volume to 3 inches	Volume to 3 inches	
		feet	ins.	sq. ft. q. g.					ins.	h. ft.				sq. ft. q. g.	h. ft.				
20	1700	23½	2¾	97	840	—	—	—	—	—	—	—	—	97	840	7.0	112	42	20
25	1100	30	3½	95	1160	—	—	600	3	0.50	300	—	—	129	1460	5.9	130	58	25
30	765	36	4¼	94	1490	70	—	335	3½	1.04	350	—	—	156	2140	4.9	137	71	30
35	565	41½	5	95	1830	240	5	200	4	1.75	350	10	—	179	2830	4.2	137	81	35
40	445	46½	5¾	97	2160	580	70	120	4¾	2.92	350	30	—	198	3510	3.7	135	88	40
45	364	51	6¼	99	2480	1050	230	81	5¼	4.32	350	65	5	215	4180	3.2	131	93	45
50	310	55½	6¾	101	2770	1560	500	54	5¾	6.42	350	110	15	230	4820	2.8	124	96	50
55	273	59½	7¼	103	3045	2040	850	37	6¼	8.66	325	145	35	243	5420	2.4	116	99	55
60	246	63	7¾	106	3335	2480	1250	27	6¾	10.2	270	150	50	255	5980	2.1	108	100	60
65	226	66	8¼	109	3615	2870	1650	20	7¼	12.3	240	155	65	265	6500	1.8	98	100	65
70	211	68½	8¾	111	3855	3190	2010	15	7¾	15.2	220	160	75	273	6960	1.5	86	99	70
75	199	70½	9	113	4045	3440	2310	12	8	18.3	210	160	85	280	7360	1.3	74	98	75
80	190	72½	9¼	114	4185	3620	2580	9	8¼	21.5	200	160	90	286	7700	1.1	63	96	80

YIELD CLASS **80**

25	1420	25½	3	94	1000	—	—	280	2¾	0.11	30	—	—	108	1030	5.5	100	41	25
30	1055	31	3½	95	1240	5	—	365	3	0.77	280	—	—	133	1550	4.7	107	52	30
35	800	36	4¼	96	1510	55	—	255	3½	1.10	280	—	—	155	2100	4.1	111	60	35
40	622	40½	4¾	97	1790	185	—	178	3¾	1.57	280	5	—	174	2660	3.5	111	66	40
45	501	44½	5¼	98	2060	425	35	121	4¼	2.31	280	10	—	191	3210	3.1	109	71	45
50	419	48½	5¾	99	2320	770	115	82	4¾	3.41	280	30	—	205	3750	2.7	106	75	50
55	363	52	6¼	101	2560	1170	275	56	5¼	4.95	280	55	5	218	4270	2.3	100	78	55
60	323	55	6¾	103	2805	1565	490	40	5⅝	5.95	235	70	10	229	4750	2.0	92	79	60
65	294	58	7¼	105	3035	1920	730	29	6¼	7.37	210	80	15	238	5190	1.7	83	80	65
70	272	60½	7½	106	3230	2230	980	22	6½	9.07	195	90	25	246	5580	1.4	73	80	70
75	255	62½	7¾	108	3385	2480	1220	17	6¾	11.2	185	100	30	253	5920	1.2	63	79	75
80	242	64	8	109	3500	2680	1420	13	7	14.0	175	105	35	258	6210	1.0	53	78	80

Table 56 (contd)

Lodgepole Pine*

NORMAL YIELD TABLE: YIELD CLASS 140

Age	MAIN CROP After Thinning							Yield From THINNINGS						TOTAL Production		INCREMENT			Age
	Number of Trees	Top Height feet	Mean BHQG ins.	Basal Area sq. ft. q. g.	Volume (h. ft.) to top diameter o.b. of 3 inches	7 inches	9 inches	Number of Trees	Mean BHQG ins.	Av. Vol. per Tree h. ft.	Volume (h. ft.) to top diameter o.b. of 3 inches	7 inches	9 inches	Basal Area sq. ft. q. g.	Volume to 3 inches h. ft.	C.A.I. Basal area	C.A.I. Volume to 3 inches	M.A.I. Volume to 3 inches	
15	1460	25	3	89	755	—	—	—	—	—	—	—	—	89	755	6.5	145	50	15
20	809	35	3¾	82	1075	20	—	651	3	0.75	490	—	—	122	1565	6.6	192	78	20
25	522	45	4¾	84	1605	175	5	287	4	1.71	490	10	—	154	2585	6.0	206	103	25
30	377	54	5¾	88	2135	660	100	145	4¾	3.39	490	55	—	181	3605	5.0	197	120	30
35	292	61½	6¾	92	2590	1410	420	85	5¾	5.80	490	145	20	204	4550	4.2	181	130	35
40	236	68½	7¼	95	2970	2100	960	56	6½	8.83	490	245	65	224	5420	3.7	168	135	40
45	198	74½	8¼	98	3290	2630	1570	38	7¼	12.8	490	335	140	241	6230	3.3	157	138	45
50	171	80	9¼	101	3560	3060	2140	27	8¼	17.8	490	385	215	257	6990	3.0	147	140	50
55	151	85	10	104	3840	3440	2670	20	9	21.3	435	370	250	271	7705	2.8	139	140	55
60	136	90	10¾	107	4125	3790	3150	15	10	26.3	395	355	270	285	8385	2.7	132	140	60
65	124	94½	11¼	111	4400	4120	3600	12	10¾	31.8	370	340	285	298	9030	2.6	126	139	65
70	114	99	12	115	4660	4420	3980	10	11¼	37.2	355	330	295	310	9645	2.5	120	138	70
75	106	103	12¾	118	4900	4690	4320	8	12¼	43.4	345	325	300	322	10230	2.4	114	137	75
80	99	106½	13¼	122	5125	4930	4600	7	13	49.0	335	325	300	334	10790	2.3	109	135	80

*See page 151

YIELD CLASS **120**

15	1500	22	2¾	79	545	—	—	—	—	—	—	—	—	79	545	5.2	115	36	15
20	1045	31	3½	86	970	—	—	455	2¾	0.57	260	—	—	108	1230	6.0	155	62	20
25	679	40	4¼	86	1385	70	—	366	3½	1.15	420	—	—	138	2065	5.6	174	83	25
30	483	48	5¼	89	1845	300	20	196	4¼	2.15	420	15	—	164	2945	4.7	174	98	30
35	368	55	6	90	2265	790	130	115	5	3.67	420	55	—	186	3785	4.0	161	108	35
40	297	61½	6¾	93	2620	1430	420	71	5¾	5.96	420	120	20	205	4560	3.5	149	114	40
45	247	67½	7½	95	2920	1980	830	50	6½	8.48	420	195	45	221	5280	3.1	139	117	45
50	212	72½	8¼	98	3175	2450	1340	35	7¼	11.8	420	260	95	235	5955	2.7	131	119	50
55	187	77	8¾	100	3420	2840	1820	25	8	15.2	390	290	145	248	6590	2.5	124	120	55
60	168	81½	9¼	103	3670	3200	2300	19	8½	18.0	350	285	175	260	7190	2.4	117	120	60
65	153	85½	10	105	3920	3520	2750	15	9¼	21.8	325	280	195	272	7765	2.3	112	120	65
70	141	89½	10½	108	4155	3810	3150	12	9¾	25.8	315	280	215	283	8315	2.2	107	119	70
75	131	93½	11	111	4370	4060	3500	10	10½	30.0	310	280	230	294	8840	2.1	102	118	75
80	122	96½	11½	114	4565	4290	3800	9	11	34.3	305	280	240	305	9340	2.0	97	117	80

YIELD CLASS **100**

15	1550	19	2½	70	340	—	—	—	—	—	—	—	—	70	340	4.4	88	23	15
20	1350	27	3	90	870	—	—	200	2	0.10	20	—	—	95	890	5.3	125	44	20
25	880	35	3¾	87	1205	20	—	470	3	0.74	350	—	—	122	1575	5.2	144	63	25
30	630	42½	4½	88	1590	110	—	250	3½	1.40	350	—	—	146	2310	4.4	146	77	30
35	479	49	5¼	89	1955	350	25	151	4¼	2.33	350	15	—	166	3025	3.8	139	86	35
40	383	55	5¾	91	2280	750	120	96	4¾	3.66	350	40	—	184	3700	3.3	130	92	40
45	319	60	6½	93	2560	1250	310	64	5½	5.51	350	85	10	200	4330	2.9	122	96	45
50	274	64½	7	95	2800	1700	600	45	6	7.69	350	130	25	213	4920	2.6	114	98	50
55	240	69	7¾	97	3015	2130	980	34	6¾	9.91	340	175	50	225	5475	2.3	108	99	55
60	214	73	8¼	99	3230	2510	1390	26	7¼	11.9	310	195	75	236	6000	2.1	102	100	60
65	194	76½	8¾	101	3445	2840	1800	20	7¾	14.1	285	205	100	246	6500	2.0	97	100	65
70	177	80	9¼	103	3645	3130	2180	17	8¼	16.5	275	215	120	256	6975	1.9	93	100	70
75	163	83½	9¾	105	3835	3390	2530	14	8¾	19.5	265	220	140	266	7430	1.8	89	99	75
80	151	86½	10	107	4010	3620	2850	12	9¼	22.4	260	225	155	275	7865	1.7	85	98	80

Lodgepole Pine* (Continued)

NORMAL YIELD TABLE: YIELD CLASS 80

Age	MAIN CROP After Thinning							Yield From THINNINGS						TOTAL Production		INCREMENT			Age
	Number of Trees	Top Height	Mean BHQG	Basal Area	Volume (h. ft.) to top diameter o.b. of			Number of Trees	Mean BHQG	Av. Vol. per Tree	Volume (h. ft.) to top diameter o.b. of			Basal Area	Volume to 3 inches	C.A.I.		M.A.I.	
		feet	ins.	sq. ft. q. g.	3 inches	7 inches	9 inches		ins.	h. ft.	3 inches	7 inches	9 inches	sq. ft. q. g.	h. ft.	Basal area	Volume to 3 inches	Volume to 3 inches	
20	1500	22½	2¾	81	585	—	—	—	—	—	—	—	—	81	585	4.6	96	29	20
25	1225	29½	3¼	92	1020	—	—	275	2½	0.33	90	—	—	104	1110	4.5	111	44	25
30	865	36	4	90	1315	30	—	360	3	0.78	280	—	—	126	1685	4.1	117	56	30
35	658	42	4½	90	1620	110	—	207	3½	1.35	280	—	—	145	2270	3.5	115	65	35
40	522	47½	5	91	1900	270	10	136	4	2.51	280	10	—	161	2830	3.1	109	71	40
45	435	52	5½	92	2150	550	60	87	4½	3.22	280	25	—	175	3360	2.7	103	75	45
50	372	56	6	94	2370	900	170	63	5	4.42	280	45	—	188	3860	2.4	97	77	50
55	325	60	6½	95	2560	1260	320	47	5½	5.89	280	65	5	200	4330	2.1	91	79	55
60	289	63½	7	97	2750	1610	530	36	6	7.04	250	85	15	210	4770	1.9	85	80	60
65	260	66½	7½	98	2930	1950	800	29	6½	8.21	235	105	25	219	5185	1.8	81	80	65
70	237	69½	7¾	99	3100	2260	1090	23	6¾	9.86	225	125	35	228	5580	1.7	77	80	70
75	217	72½	8¼	101	3265	2540	1400	20	7¼	11.2	215	140	50	236	5960	1.6	74	80	75
80	200	75½	8½	102	3420	2780	1700	17	7¾	13.0	210	150	65	244	6325	1.5	72	79	80

*See page 151

YIELD CLASS **60**

20	1580	17½	2½	66	280	—	—	—	—	—	—	—	—	66	280	3.7	69	14	20
25	1465	23½	2¾	85	660	—	—	—	—	—	—	—	—	85	660	3.8	81	26	25
30	1255	29½	3¼	94	1040	—	—	210	2¾	0.24	50	—	—	104	1090	3.6	90	36	30
35	955	34½	3¾	93	1285	20	—	300	3	0.70	210	—	—	121	1545	3.2	90	44	35
40	767	39½	4¼	93	1515	60	—	188	3¼	1.12	210	—	—	136	1985	2.8	86	50	40
45	639	43½	4¾	93	1725	140	—	128	3¾	1.63	210	5	—	149	2405	2.4	81	54	45
50	544	47	5	94	1910	260	10	95	4	2.20	210	10	—	161	2800	2.1	77	56	50
55	475	50½	5¼	94	2075	440	30	69	4½	3.02	210	15	—	171	3175	1.9	73	58	55
60	420	53½	5¾	95	2220	660	85	55	4¾	3.78	210	20	—	180	3530	1.7	69	59	60
65	377	56	6¼	96	2375	900	170	43	5¼	4.23	180	25	—	188	3865	1.6	66	59	65
70	342	58½	6½	96	2525	1150	270	35	5½	4.87	170	35	5	196	4185	1.5	63	60	70
75	313	61	6¾	97	2670	1410	410	29	5¾	5.68	160	45	5	203	4490	1.4	60	60	75
80	287	63½	7	98	2805	1675	570	26	6	6.27	160	60	10	210	4785	1.3	58	60	80

*Note:—For "coastal varietes" it will often be more appropriate to use the yield table for one Yield Class above that indicated by the height/age course, i.e. Production Class 'a'.

Sitka Spruce

NORMAL YIELD TABLE: YIELD CLASS **280**

Age	MAIN CROP After Thinning							Yield From THINNINGS						TOTAL Production		INCREMENT			Age
	Number of Trees	Top Height	Mean BHQG	Basal Area	Volume (h. ft.) to top diameter o.b. of			Number of Trees	Mean BHQG	Av. Vol. per Tree	Volume (h. ft.) to top diameter o.b. of			Basal Area	Volume to 3 inches	C.A.I.		M.A.I.	
					3 inches	7 inches	9 inches				3 inches	7 inches	9 inches			Basal area	Volume to 3 inches	Volume to 3 inches	
		feet	ins.	sq. ft. q. g.					ins.	h. ft.				sq. ft. q. g.	h. ft.				
10	1300	20	2¾	67	475	—	—	—	—	—	—	—	—	67	475	12.5	130	48	10
15	840	33½	3¾	79	965	—	—	460	4	1.43	660	20	—	130	1625	12.3	290	108	15
20	462	47½	5	85	1715	280	10	378	4½	2.59	980	65	—	188	3355	10.5	382	168	20
25	305	61½	6¾	97	2740	1530	480	157	5½	6.24	980	270	35	235	5360	8.7	409	214	25
30	220	74½	8¼	108	3795	3050	1800	85	7	11.6	980	590	200	276	7395	7.4	399	247	30
35	171	85½	10	118	4745	4260	3330	49	8½	19.9	980	795	480	310	9325	6.4	368	266	35
40	140	95	11½	126	5530	5190	4540	31	10	30.2	950	850	660	339	11060	5.5	328	277	40
45	120	103	12¾	134	6240	5980	5500	20	11½	40.9	830	775	700	364	12600	4.7	291	280	45
50	106	109½	13¾	141	6885	6660	6270	14	12½	53.1	720	680	630	386	13965	4.1	257	279	50
55	96	115½	14¾	147	7465	7270	6890	10	13½	65.1	620	600	560	405	15165	3.5	225	276	55
60	89	120½	15¾	153	7970	7790	7410	7	14½	76.7	545	530	500	421	16215	3.0	197	270	60
65	84	125	16¼	158	8400	8230	7850	5	15½	88.2	485	470	450	435	17130	2.6	171	263	65
70	80	129	17¼	162	8765	8610	8240	4	16½	97.6	435	425	405	447	17930	2.2	149	256	70
75	76	132½	17¾	165	9070	8910	8560	4	17	107.2	390	385	370	458	18625	1.9	129	248	75
80	73	135	18¼	168	9310	9150	8800	3	17½	117.0	360	355	340	467	19225	1.7	110	240	80

YIELD CLASS 260

15	920	31½	3½	79	935	—	—	380	4	1.26	480	15	—	122	1415	11.7	268	94	15
20	540	44½	4¾	85	1555	160	—	380	4¼	2.39	910	45	—	176	2945	10.1	336	147	20
25	350	57½	6¼	95	2440	1050	230	190	5¼	4.79	910	160	15	222	4740	8.5	375	190	25
30	249	70	7¾	106	3440	2520	1260	101	6½	9.05	910	430	120	262	6650	7.3	381	222	30
35	191	81	9¼	115	4385	3760	2710	58	7¾	15.8	910	670	330	296	8505	6.3	356	243	35
40	155	90	10¾	123	5170	4760	3970	36	9¼	24.7	900	770	540	325	10190	5.4	317	255	40
45	132	98	12	131	5865	5560	4970	23	10½	34.0	800	730	600	350	11685	4.6	280	260	45
50	116	104½	13	138	6495	6250	5800	16	11½	44.3	685	645	570	371	13000	4.0	246	260	50
55	105	110½	14	144	7050	6830	6430	11	12½	55.0	595	570	520	389	14150	3.4	216	257	55
60	97	115½	14¾	149	7545	7340	6970	8	13½	65.3	520	505	470	405	15165	2.9	188	253	60
65	91	120	15½	154	7965	7770	7410	6	14½	75.1	465	450	425	419	16050	2.5	164	247	65
70	86	124	16¼	158	8310	8140	7760	5	15¼	83.8	415	400	385	431	16810	2.1	142	240	70
75	82	127	16¾	161	8605	8430	8070	4	15¾	92.0	370	365	350	441	17475	1.8	123	233	75
80	79	130	17¼	164	8840	8670	8320	3	16¼	99.8	340	335	320	450	18050	1.6	106	226	80

YIELD CLASS 240

15	1040	29¼	3¼	83	900	—	—	260	4	1.23	320	10	—	112	1220	11.1	234	81	15
20	620	42	4½	85	1410	90	—	420	4¼	2.00	840	35	—	164	2570	9.7	300	129	20
25	400	54	5¾	93	2200	700	110	220	5	3.82	840	110	5	209	4200	8.3	342	168	25
30	284	65½	7¼	103	3120	2010	780	116	6	7.27	840	310	50	248	5960	7.1	354	199	30
35	216	76	8¾	112	4025	3290	2020	68	7¼	12.4	840	530	200	281	7705	6.1	338	220	35
40	174	85½	10	120	4785	4290	3330	42	8¼	19.8	840	680	390	310	9305	5.2	305	233	40
45	147	93	11¼	127	5455	5100	4380	27	9¾	27.8	765	675	500	334	10740	4.5	270	239	45
50	129	99½	12¼	133	6060	5760	5210	18	10¾	36.2	655	605	510	355	12000	3.9	236	240	50
55	116	105	13¼	139	6600	6350	5890	13	11¾	44.9	565	535	475	373	13105	3.3	207	238	55
60	107	110	14	144	7080	6860	6460	9	12½	54.4	495	475	435	388	14080	2.8	182	235	60
65	100	114¼	14¾	149	7490	7290	6910	7	13¼	62.9	440	425	395	402	14930	2.4	159	230	65
70	94	118	15¼	153	7835	7640	7260	6	14	70.7	395	380	360	413	15670	2.1	137	224	70
75	90	121½	15¾	156	8125	7930	7570	4	14¾	78.1	350	340	325	423	16310	1.8	119	218	75
80	86	124	16¼	158	8360	8180	7820	4	15¼	84.6	320	310	295	431	16865	1.6	102	211	80

Sitka Spruce (Continued)

NORMAL YIELD TABLE: YIELD CLASS 220

Age	MAIN CROP After Thinning							Yield From THINNINGS						TOTAL Production		INCREMENT			Age
	Number of Trees	Top Height	Mean BHQG	Basal Area	Volume (h. ft.) to top diameter o.b. of			Number of Trees	Mean BHQG	Av. Vol. per Tree	Volume (h. ft.) to top diameter o.b. of			Basal Area	Volume to 3 inches	C.A.I.		M.A.I.	
					3 inches	7 inches	9 inches				3 inches	7 inches	9 inches			Basal area	Volume to 3 inches	Volume to 3 inches	
		feet	ins.	sq. ft. q. g.					ins.	h. ft.				sq. ft. q. g.	h. ft.				
15	1130	27½	3¼	83	845	—	—	170	4	1.00	170	5	—	102	1015	10.5	198	68	15
20	710	38¾	4¼	85	1245	50	—	420	4	1.81	770	25	—	152	2185	9.3	264	109	20
25	452	50	5¼	91	1930	410	40	258	4¼	2.98	770	65	—	195	3640	8.1	313	146	25
30	324	61	6¾	100	2785	1480	430	128	5¼	5.99	770	210	25	233	5265	7.0	331	176	30
35	245	71½	8	109	3655	2750	1450	79	6½	9.81	770	395	110	266	6905	6.0	317	197	35
40	196	80¾	9¼	117	4405	3800	2680	49	7¾	15.7	770	560	270	294	8425	5.1	290	211	40
45	165	88	10¼	123	5050	4600	3740	31	8¾	23.1	730	610	410	318	9800	4.3	254	218	45
50	144	94½	11¼	129	5630	5280	4610	21	9¾	29.2	620	560	435	338	11000	3.7	226	220	50
55	129	100	12¼	135	6150	5860	5320	15	10¾	36.5	540	500	420	356	12060	3.2	199	219	55
60	118	105	13	140	6610	6350	5890	11	11½	44.2	470	440	390	371	12990	2.7	174	216	60
65	110	109	13¾	144	7005	6770	6350	8	12¼	51.6	415	395	360	384	13800	2.3	152	212	65
70	104	112¼	14¼	148	7340	7120	6730	6	13	58.7	370	355	330	395	14505	2.0	132	207	70
75	99	115½	14¾	151	7620	7410	7030	5	13½	64.7	330	320	300	404	15115	1.7	115	201	75
80	95	118	15¼	153	7850	7640	7270	4	14	70.5	305	290	275	412	15650	1.5	98	195	80

YIELD CLASS 200

15	1300	25	3¼	91	825	—	—	—	—	—	—	—	—	91	825	10.0	165	55	15
20	825	35½	3¾	86	1110	20	—	475	4	1.46	700	15	—	138	1810	8.9	233	91	20
25	530	46	4¾	89	1715	210	10	295	4¼	2.37	700	40	—	181	3115	7.9	281	125	25
30	376	56½	6	98	2485	960	200	154	5	4.54	700	115	10	218	4585	6.9	299	153	30
35	284	66½	7¼	106	3280	2180	890	92	6	7.65	700	275	55	250	6080	5.9	295	174	35
40	226	75	8½	113	4015	3250	1960	58	7	12.2	700	430	150	278	7515	5.0	277	188	40
45	189	82½	9½	120	4625	4070	3000	37	8	18.7	700	530	285	301	8825	4.2	247	196	45
50	164	89	10½	126	5195	4750	3910	25	9	23.2	590	500	340	320	9985	3.6	217	200	50
55	147	94½	11¼	131	5700	5320	4650	17	9¾	29.1	510	450	355	337	11000	3.1	188	200	55
60	134	99	12	136	6135	5820	5250	13	10½	35.1	445	410	340	352	11880	2.7	163	198	60
65	124	103	12¾	140	6505	6220	5730	10	11¼	41.1	390	375	320	365	12640	2.3	142	194	65
70	116	106½	13½	143	6815	6570	6140	8	12	46.6	350	330	295	376	13300	2.0	124	190	70
75	110	109½	13¾	146	7085	6850	6450	6	12½	52.4	310	295	270	385	13880	1.7	109	185	75
80	105	112	14¼	148	7320	7100	6700	5	13	57.5	275	265	250	393	14390	1.5	94	180	80

YIELD CLASS 180

15	1300	22½	3	79	645	—	—	—	—	—	—	—	—	79	645	9.5	130	43	15
20	960	32	3½	87	970	—	—	340	4	1.47	500	10	—	125	1470	8.6	199	73	20
25	635	42	4½	89	1465	100	—	325	4¼	1.94	630	25	—	166	2595	7.7	246	104	25
30	442	52	5½	95	2135	540	70	193	4¾	3.27	630	60	—	202	3895	6.8	270	130	30
35	334	61	6¾	103	2880	1520	440	108	5½	5.86	630	170	20	234	5270	5.8	274	150	35
40	264	70	7¾	110	3595	2600	1250	70	6¼	9.06	630	300	75	261	6615	4.9	260	165	40
45	219	77	8¾	117	4195	3480	2230	45	7¼	13.8	630	410	165	284	7845	4.1	232	174	45
50	188	83	9¾	122	4740	4190	3120	31	8	18.0	550	425	235	303	8940	3.5	205	179	50
55	167	88½	10½	127	5225	4770	3890	21	8¾	22.7	475	400	265	319	9900	3.0	178	180	55
60	152	93	11¼	131	5640	5250	4530	15	9½	27.5	415	365	270	333	10730	2.6	154	179	60
65	141	97	11¾	135	6000	5640	5040	11	10¼	32.0	365	330	265	345	11455	2.2	134	176	65
70	132	100	12¼	138	6295	5990	5430	9	10¾	36.7	330	300	250	356	12080	1.9	117	172	70
75	125	103	12¾	141	6555	6280	5760	7	11¼	40.9	290	270	235	365	12630	1.6	103	168	75
80	119	105½	13¼	143	6765	6500	6040	6	11¾	45.0	265	245	220	373	13105	1.4	90	164	80

Table 58 (contd)

Sitka Spruce (Continued)

NORMAL YIELD TABLE: YIELD CLASS 160

Age	MAIN CROP After Thinning							Yield From THINNINGS						TOTAL Production		INCREMENT			Age
	Number of Trees	Top Height	Mean BHQG	Basal Area	Volume (h. ft.) to top diameter o.b. of			Number of Trees	Mean BHQG	Av. Vol. per Tree	Volume (h. ft.) to top diameter o.b. of			Basal Area	Volume to 3 inches	C.A.I.		M.A.I.	
					3 inches	7 inches	9 inches				3 inches	7 inches	9 inches			Basal area	Volume to 3 inches	Volume to 3 inches	
		feet	ins.	sq. ft. q. g.					ins.	h. ft.				sq. ft. q. g.	h. ft.				
20	1085	29	3¼	87	875	—	—	215	4	1.49	320	5	—	111	1195	8.3	160	60	20
25	745	38	4	87	1270	40	—	340	4	1.65	560	15	—	151	2150	7.5	214	86	25
30	525	47	5	93	1855	280	10	220	4½	2.54	560	40	—	186	3295	6.7	238	110	30
35	393	56	6	100	2505	930	180	132	5	4.24	560	85	5	217	4505	5.7	244	129	35
40	310	64	7	107	3155	1920	680	83	5¾	6.79	560	190	30	243	5715	4.8	237	143	40
45	256	71	8	113	3745	2850	1490	54	6½	10.3	560	290	80	266	6865	4.0	217	153	45
50	220	77½	8¾	118	4260	3550	2310	36	7¼	14.0	510	340	140	284	7890	3.4	194	158	50
55	194	82½	9½	122	4735	4160	3080	26	8	18.3	485	330	175	300	8800	2.9	168	160	55
60	176	87	10¼	126	5140	4650	3720	18	8¾	20.9	375	310	195	314	9580	2.5	145	160	60
65	162	90½	10¾	130	5470	5050	4240	14	9½	24.6	335	290	205	325	10245	2.2	126	158	65
70	152	93½	11¼	133	5765	5380	4670	10	9¾	28.3	295	265	200	335	10835	1.9	111	155	70
75	144	96	11¾	136	6020	5660	5010	8	10¼	31.5	270	240	195	344	11360	1.6	97	151	75
80	137	98½	12	138	6230	5900	5310	7	10¼	34.6	245	220	185	352	11815	1.4	85	147	80

YIELD CLASS 140

20	1190	26	3¼	85	795	—	—	110	4	1.27	140	—	—	96	935	8.0	132	47	20
25	855	34½	3¾	85	1100	—	—	335	4	1.46	490	10	—	134	1730	7.3	181	69	25
30	625	43	4½	91	1595	125	—	230	4¼	2.13	490	20	—	169	2715	6.6	207	91	30
35	470	51	5¼	98	2170	530	50	155	4¾	3.16	490	40	—	199	3780	5.6	216	108	35
40	372	58½	6½	104	2755	1250	250	98	5¼	5.00	490	100	10	224	4855	4.7	214	121	40
45	307	65	7¼	109	3310	2100	790	65	6	7.54	490	175	30	246	5900	3.9	199	131	45
50	262	71	8	114	3790	2840	1480	45	6¾	10.4	465	235	65	265	6845	3.3	178	137	50
55	231	76	8¾	118	4230	3470	2150	31	7¼	12.8	395	250	95	280	7680	2.8	155	140	55
60	208	80½	9¼	122	4610	3950	2760	23	7¾	15.1	340	245	115	293	8400	2.4	134	140	60
65	191	84	9¾	125	4930	4360	3290	17	8¼	18.2	300	235	130	304	9020	2.1	117	139	65
70	178	87	10¼	128	5205	4710	3750	13	8¾	21.0	270	220	135	314	9565	1.8	103	137	70
75	168	89½	10½	130	5450	5000	4140	10	9	23.4	240	205	140	322	10050	1.5	90	134	75
80	160	91½	10¾	132	5650	5240	4460	8	9¼	26.5	225	195	140	329	10475	1.3	78	131	80

YIELD CLASS 120

20	1300	23	3	81	665	—	—	—	—	—	—	—	—	81	665	7.6	107	33	20
25	995	30½	3½	83	890	—	—	305	4	1.34	420	5	—	117	1310	7.1	150	52	25
30	757	38	4	89	1300	45	—	238	4	1.75	420	10	—	150	2140	6.3	178	71	30
35	580	45½	4¾	96	1810	235	5	177	4¼	2.36	420	20	—	180	3070	5.4	190	88	35
40	458	52½	5½	102	2340	600	70	122	4¾	3.44	420	45	—	205	4020	4.5	188	101	40
45	375	59	6¼	107	2835	1250	300	83	5¼	5.09	420	85	10	226	4935	3.8	178	110	45
50	319	64½	7	111	3265	2000	710	56	5¾	7.43	420	140	20	244	5785	3.2	161	116	50
55	279	69	7¾	115	3675	2630	1230	40	6¼	8.86	350	160	40	259	6545	2.7	141	119	55
60	251	73	8¼	118	4030	3170	1790	28	6¾	10.9	300	170	55	271	7200	2.3	123	120	60
65	230	76½	8¾	121	4335	3600	2280	21	7¼	12.9	265	170	70	282	7770	2.0	107	120	65
70	214	79½	9¼	123	4600	3930	2710	16	7¾	15.1	235	165	80	291	8270	1.7	94	118	70
75	201	82	9½	125	4830	4215	3080	13	8	16.8	215	160	85	299	8715	1.5	83	116	75
80	191	84	9¾	127	5020	4440	3380	10	8¼	19.1	200	155	90	306	9105	1.3	73	114	80

Table 58 (contd)

Sitka Spruce (Continued)

NORMAL YIELD TABLE: YIELD CLASS 100

Age	MAIN CROP After Thinning							Yield From THINNINGS						TOTAL Production		INCREMENT			Age
	Number of Trees	Top Height	Mean BHQG	Basal Area	Volume (h. ft.) to top diameter o.b. of			Number of Trees	Mean BHQG	Av. Vol. per Tree	Volume (h. ft.) to top diameter o.b. of			Basal Area	Volume to 3 inches	C.A.I.		M.A.I.	
					3 inches	7 inches	9 inches				3 inches	7 inches	9 inches			Basal area	Volume to 3 inches	Volume to 3 inches	
		feet	ins.	sq. ft. q. g.					ins.	h. ft.				sq. ft. q. g.	h. ft.				
25	1150	27	3¼	83	755	—	—	150	4	1.46	220	—	—	100	975	6.7	118	39	25
30	910	33½	3¾	88	1070	10	—	240	4	1.46	350	5	—	132	1640	6.0	144	55	30
35	718	40¼	4¼	94	1480	70	—	192	4¼	1.82	350	10	—	160	2400	5.2	157	69	35
40	572	46½	5	99	1925	270	5	146	4½	2.40	350	20	—	184	3195	4.4	158	80	40
45	469	52	5¾	103	2360	630	80	103	4¾	3.40	350	35	—	205	3980	3.7	152	88	45
50	397	57½	6¼	107	2745	1170	250	72	5¼	4.86	350	60	5	222	4715	3.1	140	94	50
55	347	62	6¾	110	3110	1730	530	50	5¾	6.10	305	90	10	236	5385	2.6	127	98	55
60	310	66	7¼	113	3445	2240	865	37	6	7.07	260	100	15	249	5980	2.2	112	100	60
65	283	69	7¾	116	3735	2670	1360	27	6¼	8.68	230	105	25	259	6500	1.9	98	100	65
70	262	72	8	118	3990	3050	1630	21	6¾	10.0	205	110	35	268	6960	1.6	86	99	70
75	245	74½	8¼	120	4205	3360	1970	17	7	11.7	190	115	40	275	7365	1.4	77	98	75
80	232	76½	8½	122	4385	3590	2270	13	7¼	13.7	185	115	45	281	7730	1.2	70	97	80

Normal Yield Tables Continued Overleaf

Norway Spruce

NORMAL YIELD TABLE: YIELD CLASS **240**

Age	MAIN CROP After Thinning							Yield From THINNINGS						TOTAL Production		INCREMENT			Age
	Number of Trees	Top Height feet	Mean BHQG ins.	Basal Area sq. ft. q. g.	Volume (h. ft.) to top diameter o.b. of 3 inches	7 inches	9 inches	Number of Trees	Mean BHQG ins.	Av. Vol. per Tree h. ft.	Volume (h. ft.) to top diameter o.b. of 3 inches	7 inches	9 inches	Basal Area sq. ft. q. g.	Volume to 3 inches h. ft.	C.A.I. Basal area	C.A.I. Volume to 3 inches	M.A.I. Volume to 3 inches	
15	1500	27½	2¾	85	760	—	—	—	—	—	—	—	—	85	760	9.6	150	51	15
20	870	38	3½	79	1005	—	—	630	3½	1.33	840	—	—	134	1845	10.0	262	92	20
25	520	48½	5	86	1655	180	—	350	4¼	2.40	840	35	—	184	3335	9.8	320	133	25
30	342	58½	6¼	99	2500	1170	290	178	5¼	4.72	840	145	15	232	5020	9.0	346	167	30
35	248	68	8	111	3400	2580	1320	94	6¾	8.98	840	460	135	274	6760	7.9	346	193	35
40	195	76	9½	122	4270	3740	2720	53	8¼	16.0	840	670	390	311	8470	7.1	335	212	40
45	161	83½	11	133	5060	4690	4000	34	10	25.1	840	750	580	344	10100	6.4	316	224	45
50	138	90	12¼	143	5750	5450	4970	23	11¼	35.8	840	790	685	374	11630	5.8	295	233	50
55	121	96	13½	151	6325	6090	5690	17	12½	48.0	840	800	735	402	13045	5.3	273	237	55
60	108	101½	14½	159	6850	6670	6310	13	13¾	58.6	790	765	720	427	14360	4.8	253	239	60
65	98	106½	15½	166	7380	7210	6880	10	15	68.4	690	675	655	450	15580	4.4	235	240	65
70	90	110½	16½	173	7885	7720	7400	8	16	80.0	620	605	585	471	16705	4.0	215	239	70
75	84	114½	17½	179	8335	8190	7870	6	17	92.5	575	565	540	490	17730	3.7	197	236	75
80	78	118	18¼	184	8725	8620	8290	6	18	99.8	550	545	515	508	18670	3.4	179	233	80

YIELD CLASS **220**

15	1500	26	2¼	76	615	—	—	—	—	—	—	—	—	76	615	9.3	130	41	15
20	960	35½	3½	78	925	—	—	540	3½	1.20	650	--	—	124	1575	9.6	241	79	20
25	585	46	4¾	84	1520	110	—	375	4	2.05	770	10	—	172	2940	9.4	294	118	25
30	390	55½	6	96	2285	780	120	195	5	3.94	770	90	5	217	4475	8.6	316	149	30
35	283	64½	7¼	107	3120	2100	860	107	6¼	7.23	770	315	65	257	6080	7.5	320	174	35
40	221	72½	8¾	118	3920	3250	2080	62	7½	12.5	770	540	245	293	7650	6.8	308	191	40
45	182	79½	10	128	4660	4200	3300	39	9	20.0	770	650	420	325	9160	6.1	294	204	45
50	155	86	11¼	137	5320	4970	4320	27	10¼	28.5	770	705	565	354	10590	5.5	276	212	50
55	135	91½	12½	145	5885	5610	5120	20	11½	37.6	770	725	635	381	11925	5.0	258	217	55
60	120	96½	13½	153	6390	6160	5790	15	12¾	47.4	735	705	645	405	13165	4.5	239	219	60
65	109	101	14½	160	6910	6700	6360	11	13¾	56.6	630	615	585	426	14315	4.1	221	220	65
70	100	105	15½	166	7390	7200	6870	9	15	66.2	580	565	535	446	15375	3.8	204	219	70
75	93	109	16½	172	7825	7650	7320	7	16	75.9	540	525	500	464	16350	3.5	186	218	75
80	87	112½	17¼	177	8205	8050	7730	6	16¾	86.1	510	500	480	481	17240	3.2	170	216	80

YIELD CLASS **200**

15	1500	24	2¼	67	470	—	—	—	—	—	—	—	—	66	470	8.9	114	31	15
20	1085	33¼	3¼	77	875	—	—	415	3½	1.06	440	—	—	112	1315	9.3	214	66	20
25	685	43	4¼	82	1400	60	—	400	3¾	1.75	700	—	—	159	2540	9.0	264	102	25
30	460	52	5¼	93	2080	440	40	225	4¼	3.10	700	50	—	202	3920	8.2	286	131	30
35	330	60½	6¾	104	2840	1540	460	130	5¼	5.40	700	180	20	240	5380	7.2	291	154	35
40	255	68	8	114	3580	2710	1420	75	6¾	9.39	700	390	120	274	6820	6.5	283	171	40
45	208	75	9¼	123	4260	3670	2600	47	8	15.1	700	540	295	305	8200	5.8	270	182	45
50	176	81	10¼	132	4880	4450	3600	32	9¼	22.2	700	615	435	333	9520	5.2	256	190	50
55	153	86½	11¼	140	5420	5080	4450	23	10¼	29.8	700	650	530	358	10760	4.7	240	196	55
60	136	91½	12¼	147	5900	5630	5140	17	11¼	38.9	680	640	560	380	11920	4.3	223	199	60
65	123	96	13¼	153	6375	6140	5740	13	12¼	45.8	595	570	520	401	12990	3.9	206	200	65
70	113	100	14¼	159	6825	6620	6240	10	13¼	54.0	540	520	490	420	13980	3.6	191	200	70
75	105	103½	15	165	7240	7040	6690	8	14¼	62.1	500	485	460	437	14895	3.3	176	199	75
80	98	107	15¾	170	7610	7440	7090	7	15¼	69.9	475	465	440	453	15740	3.1	162	197	80

Table 59 (contd)

Norway Spruce (Continued)

NORMAL YIELD TABLE: YIELD CLASS **180**

Age	MAIN CROP After Thinning							Yield From THINNINGS						TOTAL Production		INCREMENT			Age
	Number of Trees	Top Height	Mean BHQG	Basal Area	Volume (h. ft.) to top diameter o.b. of			Number of Trees	Mean BHQG	Av. Vol. per Tree	Volume (h. ft.) to top diameter o.b. of			Basal Area	Volume to 3 inches	C.A.I.		M.A.I.	
					3 inches	7 inches	9 inches				3 inches	7 inches	9 inches			Basal area	Volume to 3 inches	Volume to 3 inches	
		feet	ins.	sq. ft. q. g.					ins.	h. ft.				sq. ft. q. g.	h. ft.				
15	1500	22	2¼	57	330	—	—	—	—	—	—	—	—	57	330	8.4	100	22	15
20	1215	31	3	76	775	—	—	285	3½	0.98	280	—	—	100	1055	8.8	189	53	20
25	785	40	4	81	1225	20	—	430	3¾	1.46	630	—	—	144	2135	8.6	236	85	25
30	540	49	5	91	1840	240	10	245	4¼	2.57	630	25	—	186	3380	7.9	258	113	30
35	389	57	6	101	2530	990	200	151	5	4.17	630	100	5	223	4700	6.9	264	134	35
40	297	64	7¼	110	3205	2080	800	92	6	6.88	630	240	45	255	6005	6.2	258	150	40
45	240	70½	8½	118	3840	3090	1840	57	7¼	11.1	630	400	150	284	7270	5.5	246	161	45
50	203	76½	9½	126	4415	3870	2830	37	8½	16.8	630	505	290	310	8475	5.0	235	169	50
55	176	81½	10½	133	4925	4500	3680	27	9½	22.9	630	560	405	334	9615	4.5	220	175	55
60	156	86	11½	140	5370	5030	4380	20	10½	30.3	620	560	460	356	10680	4.1	206	178	60
65	141	90½	12¼	146	5815	5530	5010	15	11¼	35.7	545	515	440	375	11670	3.7	190	180	65
70	129	94½	13	152	6240	5990	5540	12	12¼	42.5	490	465	420	393	12585	3.4	176	180	70
75	119	98	13¾	157	6635	6410	6020	10	13	47.7	455	435	400	409	13435	3.1	164	179	75
80	111	101	14½	162	6990	6780	6430	8	13¾	56.0	435	420	390	424	14225	2.9	151	178	80

YIELD CLASS 160

20	1355	28½	2¾	77	720	—	—	145	3¼	0.69	100	—	—	88	820	8.3	155	41	20
25	930	37	3½	81	1085	—	—	425	3½	1.32	560	—	—	130	1745	8.1	207	70	25
30	645	45½	4½	89	1625	100	—	285	4	1.96	560	10	—	169	2845	7.5	228	95	30
35	470	53	5½	97	2220	510	60	175	4¾	3.20	560	45	—	204	4000	6.6	233	114	35
40	357	59½	6½	105	2830	1360	350	113	5½	4.98	560	120	10	235	5170	5.9	233	129	40
45	285	65¼	7½	113	3420	2330	1060	72	6¼	7.83	560	250	55	263	6320	5.2	224	140	45
50	238	71	8½	120	3955	3160	1930	47	7¼	11.9	560	370	150	288	7415	4.7	213	148	50
55	206	76	9½	127	4430	3830	2790	32	8¼	17.2	560	450	260	310	8450	4.2	201	154	55
60	182	80½	10¼	133	4845	4400	3520	24	9¼	22.9	560	480	340	331	9425	3.8	188	157	60
65	164	84½	11	139	5260	4900	4190	18	10	27.2	495	445	355	349	10335	3.5	176	159	65
70	150	88½	11¾	144	5670	5350	4760	14	10¾	32.4	440	405	345	366	11185	3.2	163	160	70
75	139	92	12½	149	6045	5760	5260	11	11½	37.8	410	385	340	381	11970	2.9	152	160	75
80	130	95	13	154	6380	6130	5670	9	12¼	43.4	395	375	340	395	12700	2.7	141	159	80

YIELD CLASS 140

20	1500	25½	2¾	75	600	—	—	—	—	—	—	—	—	76	600	7.8	125	30	20
25	1100	34	3¼	81	930	—	—	400	3½	1.10	440	—	—	115	1370	7.6	177	55	25
30	790	41½	4	87	1390	40	—	310	3¾	1.58	490	5	—	151	2320	7.0	198	77	30
35	575	48½	5	94	1915	220	5	215	4¼	2.28	490	20	—	184	3335	6.2	205	95	35
40	438	55	5¾	101	2450	730	110	137	4¾	3.58	490	55	—	214	4360	5.6	206	109	40
45	347	60½	6¾	108	2970	1560	450	91	5½	5.41	490	125	15	241	5370	5.0	200	119	45
50	287	66	7½	115	3470	2410	1120	60	6¼	8.17	490	220	35	264	6360	4.5	193	127	50
55	246	70½	8½	121	3920	3130	1860	41	7¼	11.8	490	325	130	285	7300	4.0	182	133	55
60	216	74½	9¼	127	4310	3700	2590	30	8¼	16.1	490	380	205	304	8180	3.6	170	136	60
65	194	78¼	10	132	4690	4190	3240	22	9	19.6	440	370	245	321	9000	3.3	158	138	65
70	177	82	10¾	137	5065	4630	3830	17	9¾	23.6	390	345	255	337	9765	3.0	148	140	70
75	164	85½	11¼	142	5425	5040	4350	13	10¼	28.0	360	325	260	352	10485	2.8	140	140	75
80	153	88½	11¾	146	5750	5420	4840	11	10¾	32.3	350	320	265	365	11160	2.6	130	139	80

Table 59 (contd)

Norway Spruce (Continued)

NORMAL YIELD TABLE: YIELD CLASS 120

Age	MAIN CROP After Thinning							Yield From THINNINGS						TOTAL Production		INCREMENT			Age
	Number of Trees	Top Height	Mean BHQG	Basal Area	Volume (h. ft.) to top diameter o.b. of			Number of Trees	Mean BHQG	Av. Vol. per Tree	Volume (h. ft.) to top diameter o.b. of			Basal Area	Volume to 3 inches	C.A.I.		M.A.I.	
					3 inches	7 inches	9 inches				3 inches	7 inches	9 inches			Basal area	Volume to 3 inches	Volume to 3 inches	
		feet	ins.	sq. ft. q. g.					ins.	h. ft.				sq. ft. q. g.	h. ft.				
20	1500	23	2½	62	400	—	—	—	—	—	—	—	—	62	400	7.3	93	20	20
25	1290	30½	3	81	795	—	—	210	3½	1.10	230	—	—	99	1025	7.1	146	41	25
30	955	37½	3½	86	1160	—	—	335	3½	1.25	420	—	—	133	1810	6.5	168	60	30
35	715	44	4¼	91	1615	80	—	240	3¾	1.75	420	5	—	164	2685	5.9	177	77	35
40	550	50	5	97	2080	310	20	165	4¼	2.54	420	20	—	192	3570	5.3	177	89	40
45	436	55½	5¾	103	2540	800	120	114	4¾	3.68	420	55	—	217	4450	4.7	174	99	45
50	357	60½	6¼	109	2980	1530	440	79	5¼	5.32	420	100	10	239	5310	4.2	169	106	50
55	302	65	7¼	115	3385	2250	940	55	6¼	7.57	420	170	35	259	6135	3.8	161	111	55
60	263	69	8	120	3750	2880	1550	39	7	10.6	420	250	85	277	6920	3.4	152	115	60
65	234	72½	8¾	125	4095	3410	2170	29	7¾	13.4	395	280	130	293	7660	3.1	143	118	65
70	212	75½	9½	129	4450	3870	2770	22	8½	15.6	335	265	150	308	8350	2.8	134	119	70
75	195	78½	10	133	4790	4290	3320	17	9	18.8	310	260	170	322	9000	2.6	126	120	75
80	182	81½	10½	137	5100	4650	3800	13	9½	22.2	300	255	190	334	9610	2.4	118	120	80

YIELD CLASS 100

25	1500	27	2¾	81	695	—	—	—	—	—	—	—	—	81	695	6.5	110	28	25
30	1185	33½	3¼	85	935	—	—	315	3½	1.11	380	—	—	112	1315	6.0	133	44	30
35	910	39½	3¾	89	1285	20	—	275	3½	1.27	350	—	—	140	2015	5.4	146	58	35
40	710	44½	4¼	94	1685	70	—	200	3¾	1.75	350	5	—	166	2765	4.9	150	69	40
45	570	49½	5	99	2080	280	20	140	4¼	2.50	350	15	—	189	3510	4.4	149	78	45
50	468	54	5¾	104	2470	660	100	102	4¾	3.43	350	35	—	210	4250	4.0	145	85	50
55	394	58	6¼	109	2830	1220	300	74	5¼	4.73	350	65	5	229	4960	3.6	139	90	55
60	339	62	7	113	3160	1840	620	55	5¾	6.32	350	105	15	246	5640	3.2	132	94	60
65	299	65½	7½	117	3465	2400	1040	40	6¼	8.40	340	150	30	262	6285	2.9	125	97	65
70	268	68½	8	121	3790	2890	1540	31	7	9.18	280	160	50	276	6890	2.6	118	98	70
75	245	71½	8½	125	4100	3340	2050	23	7½	11.6	260	175	75	289	7460	2.4	111	99	75
80	227	74	9	129	4390	3720	2500	18	8	14.3	250	185	95	300	8000	2.2	105	100	80

Table 59 (contd)

European Larch

NORMAL YIELD TABLE: YIELD CLASS **140**

Age	MAIN CROP After Thinning							Yield From THINNINGS						TOTAL Production		INCREMENT			Age
	Number of Trees	Top Height	Mean BHQG	Basal Area	Volume (h. ft.) to top diameter o.b. of			Number of Trees	Mean BHQG	Av. Vol. per Tree	Volume (h. ft.) to top diameter o.b. of			Basal Area	Volume to 3 inches	C.A.I.		M.A.I.	
					3 inches	7 inches	9 inches				3 inches	7 inches	9 inches			Basal area	Volume to 3 inches	Volume to 3 inches	
		feet	ins.	sq. ft. q. g.					ins.	h. ft.				sq. ft. q. g.	h. ft.				
10	1100	26	2¾	60	380	—	—	—	—	—	—	—	—	60	380	5.6	100	38	10
15	555	37	4	57	785	20	—	545	3	0.44	240	—	—	90	1025	5.9	153	68	15
20	325	46½	5¼	58	1145	190	—	230	4¼	2.13	490	20	—	119	1875	5.5	185	94	20
25	220	55½	6¼	63	1610	740	200	105	5½	4.69	490	110	10	146	2830	5.1	193	113	25
30	166	63½	7¾	69	2080	1530	730	54	6¾	9.15	490	280	90	170	3790	4.6	187	126	30
35	133	70½	9	76	2500	2130	1450	33	8¼	14.6	490	390	230	191	4700	4.0	175	134	35
40	112	76½	10¼	81	2883	2620	2100	21	9½	21.4	462	400	290	210	5545	3.4	161	138	40
45	97	81½	11¼	86	3230	3000	2630	15	10½	27.6	418	385	310	226	6310	2.9	145	140	45
50	86	86	12¼	90	3539	3360	3050	11	11½	35.1	376	355	310	239	6995	2.5	129	140	50
55	78	90	13	93	3804	3650	3390	8	12½	43.3	340	325	295	251	7600	2.2	115	138	55
60	72	93	13¾	96	4038	3900	3670	6	13¼	51.2	306	295	275	261	8140	1.9	102	136	60
65	67	96	14½	99	4242	4120	3890	5	14	58.9	276	270	250	270	8620	1.7	90	133	65
70	63	98½	15¼	101	4419	4300	4080	4	14¾	65.6	248	245	230	278	9045	1.5	80	129	70
75	60	100½	15¾	103	4565	4460	4240	3	15¼	71.8	224	220	210	285	9415	1.3	70	126	75
80	57	102½	16¼	104	4691	4600	4380	3	15¾	77.9	204	200	190	291	9745	1.1	62	122	80
85	55	104	16¾	105	4795	4700	4490	2	16¼	83.0	186	180	175	296	10035	1.0	54	118	85
90	53	105½	17	106	4882	4790	4590	2	16½	87.0	168	165	160	300	10290	0.8	48	114	90
95	52	107	17¼	107	4955	4860	4670	1	17	91.2	152	150	145	304	10515	0.7	42	111	95
100	51	108	17½	108	5014	4930	4730	1	17¼	95.0	136	135	130	307	10710	0.6	36	107	100

YIELD CLASS 120

10	1170	23	2¼	53	260	—	—	—	—	—	—	—	—	53	260	5.1	7.4	26	10
15	730	33¾	3½	61	695	—	—	440	2½	0.18	80	—	—	80	775	5.4	126	52	15
20	412	42½	4½	58	980	70	—	318	3½	1.32	420	—	—	107	1480	5.1	155	74	20
25	276	50⅓	5¾	61	1380	390	50	136	4¾	3.10	420	40	—	131	2300	4.8	167	92	25
30	205	58	7	67	1800	1020	330	71	5¾	5.96	420	140	20	154	3140	4.3	167	105	30
35	163	64½	8	72	2201	1660	860	42	7	10.1	420	250	90	174	3961	3.7	158	113	35
40	136	70½	9	77	2539	2170	1490	27	8	15.3	420	325	180	192	4719	3.2	145	118	40
45	118	75½	10	82	2852	2570	2020	18	9	20.0	370	320	220	207	5402	2.8	130	120	45
50	105	80	10¾	86	3137	2910	2460	13	10	24.6	330	295	230	220	6017	2.4	116	120	50
55	95	83½	11½	89	3387	3190	2820	10	10¾	30.1	294	270	230	231	6561	2.1	102	119	55
60	88	86½	12¼	92	3604	3430	3120	7	11½	35.9	262	245	220	241	7040	1.8	90	117	60
65	82	89	13	94	3793	3640	3360	6	12¼	41.3	234	220	200	249	7463	1.6	79	115	65
70	78	91½	13½	96	3957	3810	3560	4	12¾	46.7	208	200	180	256	7835	1.4	70	112	70
75	74	93½	14	98	4096	3970	3720	4	13¼	51.7	186	180	165	262	8160	1.2	61	109	75
80	71	95	14¼	99	4215	4090	3860	3	13¾	56.0	168	160	150	267	8447	1.0	54	106	80
85	68	96½	14½	100	4315	4200	3970	3	14	60.3	152	145	140	272	8699	0.8	47	102	85
90	66	98	14¾	101	4397	4280	4060	2	14¼	63.4	138	135	125	276	8919	0.7	41	99	90
95	64	99	15	102	4467	4350	4130	2	14½	66.4	122	120	110	279	9111	0.6	36	96	95
100	63	100	15¼	103	4529	4400	4200	1	14¾	69.0	106	105	100	282	9279	0.5	31	93	100

YIELD CLASS 100

10	1200	20¼	2¼	44	145	—	—	—	—	—	—	—	—	44	145	4.5	52	15	10
15	1080	29¾	3	69	530	—	—	—	—	—	—	—	—	69	530	4.9	94	35	15
20	535	38	4	57	805	20	—	545	3	0.51	280	—	—	93	1085	4.7	125	54	20
25	355	45½	5	59	1132	140	—	180	4	1.94	350	10	—	116	1762	4.4	142	70	25
30	260	52½	6	63	1506	500	80	95	5	3.68	350	50	—	136	2486	4.0	145	83	30
35	205	58½	7	68	1866	1090	360	55	6	6.36	350	125	20	155	3196	3.5	138	91	35
40	170	64	8	73	2181	1620	790	35	7	9.86	350	215	70	172	3861	3.0	127	97	40
45	146	68½	8¾	77	2457	2040	1290	24	7¾	13.5	330	245	125	186	4467	2.6	114	99	45
50	129	72½	9½	81	2713	2380	1750	17	8½	16.7	284	235	145	198	5007	2.2	102	100	50
55	117	76	10¼	84	2944	2660	2130	12	9¼	20.1	246	210	150	209	5484	1.9	90	100	55
60	108	79	10¾	86	3144	2900	2440	9	9¾	23.7	216	190	150	218	5900	1.6	79	98	60
65	101	81½	11¼	88	3317	3100	2690	7	10¼	27.3	192	175	145	225	6265	1.4	69	96	65
70	95	83½	11¾	90	3467	3270	2890	6	10¾	30.7	170	155	135	231	6585	1.2	60	94	70
75	91	85	12	92	3592	3400	3070	4	11¼	33.9	152	140	125	237	6862	1.0	52	92	75
80	87	86½	12½	93	3696	3520	3210	4	11¾	36.6	136	125	115	242	7102	0.8	45	89	80
85	84	88	12¾	94	3786	3620	3320	3	12	39.5	120	115	100	246	7312	0.7	39	86	85
90	82	89	13	95	3860	3700	3420	2	12¼	42.4	106	100	90	249	7492	0.6	33	83	90
95	80	90	13¼	96	3921	3770	3500	2	12½	44.0	92	85	80	252	7645	0.5	28	80	95
100	79	91	13¼	97	3971	3820	3560	1	12½	46.0	78	75	70	254	7773	0.4	24	77	100

European Larch (Continued)

NORMAL YIELD TABLE: YIELD CLASS 80

Age	MAIN CROP After Thinning							Yield From THINNINGS						TOTAL Production		INCREMENT			Age
	Number of Trees	Top Height	Mean BHQG	Basal Area	Volume (h. ft.) to top diameter o.b. of			Number of Trees	Mean BHQG	Av. Vol. per Tree	Volume (h. ft.) to top diameter o.b. of			Basal Area	Volume to 3 inches	C.A.I.		M.A.I.	
					3 inches	7 inches	9 inches				3 inches	7 inches	9 inches			Basal area	Volume to 3 inches	Volume to 3 inches	
		feet	ins.	sq. ft. q. g.					ins.	h. ft.				sq. ft. q. g.	h. ft.				
15	1160	25½	2½	57	315	—	—	—	—	—	—	—	—	57	315	4.3	63	21	15
20	785	33	3¼	61	660	—	—	375	2½	0.16	60	—	—	78	720	4.2	94	36	20
25	485	40	4	58	905	40	—	300	3¼	0.93	280	—	—	99	1245	4.0	113	50	25
30	350	46	5	61	1215	200	—	135	4¼	2.07	280	10	—	118	1835	3.6	120	61	30
35	273	52	5¾	65	1530	550	90	77	5	3.64	280	35	—	135	2430	3.2	116	69	35
40	225	57	6½	69	1814	1020	300	48	5¾	5.77	280	85	10	150	2994	2.8	109	75	40
45	191	61	7¼	73	2055	1460	600	34	6½	8.12	280	130	35	163	3515	2.4	99	78	45
50	168	65	8	76	2276	1820	980	23	7¼	10.5	246	150	55	175	3982	2.1	88	80	50
55	151	68	8¾	79	2489	2130	1350	17	7¾	12.1	200	145	70	185	4395	1.8	77	80	55
60	139	70½	9¼	81	2679	2370	1660	12	8¼	14.8	170	135	75	193	4755	1.5	67	79	60
65	130	73	9¾	83	2839	2560	1910	9	8¾	17.0	150	120	80	200	5065	1.3	57	78	65
70	123	75	10	85	2972	2720	2120	7	9	19.0	132	110	80	205	5330	1.1	49	76	70
75	117	76½	10¼	86	3078	2850	2300	6	9¼	20.8	118	100	75	210	5554	0.9	41	74	75
80	113	78	10½	87	3163	2950	2440	4	9½	23.1	104	90	70	214	5743	0.7	35	72	80
85	110	79	10¾	88	3232	3020	2550	3	9¾	25.7	90	80	60	218	5902	0.6	29	69	85
90	107	80	11	89	3287	3080	2620	3	10	27.0	76	70	55	221	6033	0.5	24	67	90
95	105	80½	11	90	3336	3130	2690	2	10¼	29.1	62	55	45	223	6144	0.4	20	65	95
100	104	81	11¼	91	3379	3160	2750	1	10½	30.0	48	45	35	224	6235	0.3	16	62	100

YIELD CLASS 60

15	1200	21	2¼	43	132	—	—	—	—	—	—	—	—	43	132	3.7	42	9	15
20	1135	27½	2¾	62	400	—	—	—	—	—	—	—	—	62	400	3.7	65	20	20
25	715	33½	3½	58	670	—	—	420	2¾	0.25	100	—	—	80	770	3.6	81	31	25
30	515	39½	4	59	897	30	—	200	3½	1.04	210	—	—	97	1207	3.3	92	40	30
35	396	44½	4¾	62	1157	120	—	119	3¾	1.72	210	5	—	113	1677	2.9	94	48	35
40	321	49	5½	65	1407	340	30	75	4½	2.78	210	15	—	127	2137	2.5	89	53	40
45	270	53	6	68	1627	670	120	51	5	4.08	210	35	—	139	2567	2.2	82	57	45
50	234	56½	6½	71	1804	1010	280	36	5½	5.75	210	55	5	149	2954	1.9	72	59	50
55	209	59½	7	73	1976	1290	460	25	6	6.70	168	65	10	158	3294	1.6	63	60	55
60	191	62	7½	75	2139	1520	660	18	6½	7.54	132	65	20	166	3589	1.3	55	60	60
65	178	64	8	77	2280	1730	860	13	7	8.79	110	65	20	172	3840	1.1	47	59	65
70	168	65½	8¼	78	2399	1900	1050	10	7¼	9.99	95	60	25	177	4054	0.9	39	58	70
75	160	67	8½	79	2491	2040	1210	8	7½	11.7	84	55	25	181	4230	0.7	32	57	75
80	154	68	8¾	80	2563	2130	1330	6	7¾	12.6	73	50	25	184	4375	0.5	26	55	80
85	150	69	8¾	81	2616	2200	1440	4	7¾	13.8	62	45	20	187	4490	0.4	20	53	85
90	147	69½	9	82	2656	2260	1520	3	8	14.6	51	35	20	189	4581	0.3	16	51	90
95	145	70	9	82	2686	2300	1570	2	8	16.0	40	30	15	190	4651	0.3	12	49	95
100	143	70½	9¼	83	2710	2330	1610	2	8¼	17.3	30	25	15	191	4705	0.2	9	47	100

YIELD CLASS 40

20	1200	21	2¼	43	130	—	—	—	—	—	—	—	—	43	130	3.0	34	6	20
25	1150	26½	2¾	58	340	—	—	—	—	—	—	—	—	58	340	3.1	50	14	25
30	1060	31½	3¼	73	620	—	—	—	—	—	—	—	—	73	620	2.9	61	21	30
35	663	36	3¾	63	785	—	—	397	3	0.40	160	—	—	88	945	2.7	67	27	35
40	522	40	4¼	64	982	50	—	141	3½	0.99	140	—	—	100	1282	2.3	67	32	40
45	431	44	4¾	65	1172	120	—	91	4	1.54	140	5	—	111	1612	2.0	63	36	45
50	368	47	5¼	67	1335	230	10	63	4¼	2.22	140	5	—	120	1915	1.7	57	38	50
55	327	49½	5½	69	1460	370	30	41	4½	3.37	140	10	—	128	2180	1.4	49	39	55
60	297	51½	5¾	70	1585	520	70	30	4¾	3.38	100	10	—	135	2405	1.1	42	40	60
65	276	53½	6	71	1701	670	120	21	5	3.60	74	15	5	140	2595	0.9	35	40	65
70	260	55	6¼	72	1794	810	180	16	5¼	3.99	62	15	5	144	2750	0.7	28	39	70
75	248	56	6½	73	1865	920	230	12	5½	4.69	54	10	5	147	2875	0.5	22	38	75
80	239	56½	6½	73	1917	1000	280	9	5½	5.40	46	10	5	149	2973	0.4	17	37	80
85	233	57	6¾	74	1953	1060	320	6	5¾	5.85	38	10	5	151	3047	0.3	12	36	85
90	229	57½	6¾	74	1974	1110	350	4	5¾	6.60	30	10	5	153	3098	0.2	8	35	90
95	226	58	7	74	1984	1140	370	3	6	6.80	22	10	5	154	3130	0.2	5	33	95
100	224	58	7	75	1985	1160	380	2	6	7.00	14	5	3	155	3145	0.1	2	32	100

Japanese Larch and Hybrid Larch

NORMAL YIELD TABLE: YIELD CLASS 160

Age	MAIN CROP After Thinning							Yield From THINNINGS						TOTAL Production		INCREMENT			Age
	Number of Trees	Top Height	Mean BHQG	Basal Area	Volume (h. ft.) to top diameter o.b. of			Number of Trees	Mean BHQG	Av. Vol. per Tree	Volume (h. ft.) to top diameter o.b. of			Basal Area	Volume to 3 inches	C.A.I.		M.A.I.	
					3 inches	7 inches	9 inches				3 inches	7 inches	9 inches			Basal area	Volume to 3 inches	Volume to 3 inches	
		feet	ins.	sq. ft. q. g.					ins.	h. ft.				sq. ft. q. g.	h. ft.				
10	785	26½	3	48	500	—	—	415	2¾	0.22	90	—	—	69	590	7.8	140	59	10
15	425	37½	4¼	52	805	40	—	360	3¾	1.56	560	—	—	107	1455	7.2	197	97	15
20	270	48	5¼	59	1295	350	50	155	5	3.60	560	75	—	141	2505	6.3	216	125	20
25	193	57½	7	66	1815	1080	370	77	6¼	7.32	560	250	55	170	3585	5.3	212	143	25
30	148	65½	8¼	72	2285	1830	1060	45	7¾	12.6	560	405	190	194	4615	4.5	196	154	30
35	121	72	9¼	77	2660	2350	1730	27	9	20.4	560	475	325	214	5550	3.8	178	159	35
40	103	78	10¼	81	3020	2770	2300	18	10¼	27.3	490	445	360	232	6400	3.3	162	160	40
45	90	83	11¼	85	3350	3150	2800	13	11¼	35.1	445	415	365	247	7175	2.9	149	159	45
50	80	87	12¼	88	3655	3500	3230	10	12¼	43.5	415	395	360	261	7895	2.6	138	158	50
55	72	91	13¼	91	3935	3790	3560	8	13¼	51.9	390	375	350	273	8565	2.4	129	156	55
60	66	94½	14¼	94	4180	4050	3830	6	14	60.6	375	365	340	285	9185	2.2	120	153	60
65	61	98	15	97	4395	4280	4070	5	15	70.0	365	355	335	295	9765	2.0	112	150	65
70	57	100½	15¾	99	4575	4470	4270	4	15¾	80.0	360	350	330	304	10305	1.8	105	147	70
75	53	103	16¼	101	4725	4630	4430	4	16¼	89.9	355	345	325	313	10810	1.7	97	144	75
80	50	105½	17¼	102	4845	4750	4560	3	17¼	100.0	350	340	325	321	11280	1.6	90	141	80

YIELD CLASS 140

10	1140	24	2⅜	61	445	—	—	—	—	—	—	—	—	61	445	7.2	115	44	10
15	523	34½	3¾	53	685	10	—	617	3¼	0.79	490	—	—	96	1175	6.8	171	78	15
20	323	44	5	58	1125	170	10	200	4½	2.46	490	35	—	129	2105	6.0	193	105	20
25	228	53	6¼	64	1605	700	170	95	5⅜	5.18	490	140	20	157	3075	5.1	191	123	25
30	176	60½	7⅛	70	2045	1410	640	52	7	9.40	490	285	100	180	4005	4.3	178	134	30
35	143	67	8⅛	74	2395	1960	1230	33	8	14.6	490	370	200	199	4845	3.6	160	138	35
40	121	72½	9¼	78	2710	2390	1790	22	9	20.1	445	380	260	215	5605	3.1	145	140	40
45	106	77	10¼	82	3015	2760	2260	15	10	26.4	395	355	280	230	6305	2.7	133	140	45
50	95	81	11¼	85	3295	3080	2690	11	11	32.9	360	335	285	243	6945	2.4	123	139	50
55	86	85	12	88	3550	3370	3040	9	11¾	39.1	340	320	285	254	7540	2.2	114	137	55
60	79	88¼	12¾	90	3780	3620	3340	7	12½	45.7	320	305	280	265	8090	2.0	106	135	60
65	73	91½	13½	92	3985	3840	3600	6	13¼	52.2	310	295	275	274	8605	1.8	99	132	65
70	68	94	14¼	94	4160	4030	3800	5	14	59.1	300	290	275	283	9080	1.6	92	130	70
75	64	96½	14¾	96	4305	4180	3970	4	14½	66.7	300	290	275	291	9525	1.5	85	127	75
80	60	98½	15¼	97	4415	4290	4090	4	15	73.0	300	290	275	298	9935	1.4	79	124	80

YIELD CLASS 120

10	1180	21½	2¼	52	300	—	—	—	—	—	—	—	—	52	300	6.6	90	30	10
15	635	31	3⅓	51	610	—	—	545	3	.53	290	—	—	85	900	6.3	141	60	15
20	398	40	4½	56	980	70	—	237	4	1.76	420	10	—	115	1690	5.7	167	85	20
25	283	48	5¼	62	1410	380	50	115	5	3.65	420	65	5	142	2540	4.9	169	102	25
30	217	55½	6¾	68	1810	960	280	66	6	6.41	420	160	30	164	3360	4.1	158	112	30
35	176	61½	7¾	72	2135	1530	720	41	7	10.1	420	255	90	182	4105	3.4	142	117	35
40	149	66½	8½	75	2415	1970	1210	27	8	14.4	395	300	160	197	4780	2.9	127	120	40
45	130	71	9¼	78	2680	2320	1650	19	8¾	18.4	345	290	190	210	5390	2.5	116	120	45
50	116	75	10	81	2930	2640	2060	14	9½	22.8	310	270	200	222	5950	2.2	107	119	50
55	105	78½	10¾	84	3155	2900	2430	11	10¼	27.0	285	260	205	233	6460	2.0	98	117	55
60	97	81½	11½	86	3355	3140	2740	8	11	32.7	270	250	210	242	6930	1.8	91	115	60
65	90	84	12	88	3540	3350	3000	7	11½	37.4	255	240	215	251	7370	1.6	85	113	65
70	84	86½	12½	90	3700	3530	3220	6	12	42.0	250	240	215	259	7780	1.5	78	111	70
75	79	88½	13	92	3830	3670	3400	5	12½	46.6	250	240	220	266	8160	1.4	73	109	75
80	74	90½	13½	93	3930	3780	3530	5	13	51.0	250	240	220	272	8510	1.3	68	106	80

Table 61 (contd)

Japanese Larch and Hybrid Larch (Continued)

NORMAL YIELD TABLE: YIELD CLASS **100**

Age	MAIN CROP After Thinning							Yield From THINNINGS						TOTAL Production		INCREMENT			Age
	Number of Trees	Top Height	Mean BHQG	Basal Area	Volume (h. ft.) to top diameter o.b. of			Number of Trees	Mean BHQG	Av. Vol. per Tree	Volume (h. ft.) to top diameter o.b. of			Basal Area	Volume to 3 inches	C.A.I.		M.A.I.	
		feet	ins.	sq. ft. q. g.	3 inches	7 inches	9 inches		ins.	h. ft.	3 inches	7 inches	9 inches	sq. ft. q. g.	h. ft.	Basal area	Volume to 3 inches	Volume to 3 inches	
10	1250	19	2¼	44	180	—	—							44	180	6.0	65	18	10
15	830	27½	3	52	510	—	—	420	2½	.31	130	—	—	73	640	5.8	110	43	15
20	510	35½	4	55	795	20	—	320	3½	1.09	350	—	—	101	1275	5.4	140	64	20
25	356	43½	5	60	1180	150	10	154	4½	2.27	350	20	—	126	2010	4.7	148	80	25
30	272	50	6	65	1550	530	90	84	5½	4.17	350	65	5	147	2730	3.8	138	91	30
35	221	55½	6¾	69	1850	1010	300	51	6	6.80	350	140	25	165	3380	3.2	124	97	35
40	187	60½	7½	72	2090	1440	620	34	6¾	9.97	345	200	60	179	3965	2.7	111	99	40
45	163	64½	8¼	75	2325	1790	980	24	7½	12.2	290	200	90	191	4490	2.3	100	100	45
50	145	68	8¾	78	2540	2110	1360	18	8¼	14.7	260	200	110	202	4965	2.0	90	99	50
55	132	71	9¼	80	2745	2380	1710	13	9	18.6	230	195	130	211	5400	1.8	83	98	55
60	122	74	9¾	82	2930	2610	2010	10	9½	21.9	215	190	140	219	5800	1.6	77	97	60
65	114	76½	10¼	84	3095	2810	2270	8	10	25.2	205	185	145	227	6170	1.4	70	95	65
70	107	78½	10¾	86	3235	2980	2500	7	10½	28.6	200	185	150	234	6510	1.3	65	93	70
75	101	80½	11¼	87	3345	3120	2700	6	11	31.7	200	185	155	240	6820	1.2	60	91	75
80	95	82½	11½	88	3430	3220	2850	6	11¼	34.5	200	185	160	246	7105	1.1	55	89	80

YIELD CLASS **80**

15	1180	23½	2¾	59	405	—	—	—	—	—	—	—	—	59	405	5.3	81	27	15
20	680	31	3½	55	610	—	—	500	3	0.56	280	—	—	85	890	5.0	111	45	20
25	475	38	4¼	59	930	40	—	205	3¾	1.37	280	5	—	109	1490	4.4	122	60	25
30	360	44	5	63	1260	190	10	115	4½	2.44	280	20	—	129	2100	3.6	117	70	30
35	290	49½	5¾	67	1530	460	50	70	5¼	4.00	280	45	5	145	2650	3.0	105	76	35
40	244	53½	6½	70	1745	820	200	46	6	6.02	280	90	10	159	3145	2.5	94	79	40
45	212	57	7	72	1945	1160	400	32	6¼	7.75	250	115	25	170	3595	2.1	85	80	45
50	190	60½	7½	74	2140	1470	640	22	7	9.34	210	120	40	180	4000	1.8	77	80	50
55	173	63½	8	76	2320	1750	910	17	7½	11.1	185	120	50	188	4365	1.6	69	79	55
60	160	66	8½	78	2485	1980	1160	13	7¾	13.3	165	120	60	195	4695	1.4	63	78	60
65	149	68	8¾	80	2630	2180	1400	11	8¼	14.9	155	120	70	202	4995	1.2	57	77	65
70	140	70	9¼	81	2745	2350	1620	9	8¾	17.4	155	125	80	208	5265	1.1	51	75	70
75	132	72	9½	82	2835	2470	1820	8	9	19.3	150	125	85	213	5505	1.0	46	73	75
80	125	73½	9¾	83	2905	2570	1960	7	9¼	21.2	150	130	90	218	5725	0.9	42	71	80

YIELD CLASS **60**

20	950	25½	3	53	460	—	—	300	2½	0.27	80	—	—	66	540	4.6	80	27	20
25	655	32	3½	57	690	—	—	295	3	0.71	210	—	—	88	980	4.1	94	39	25
30	500	37½	4¼	61	965	30	—	155	3¾	1.35	210	—	—	107	1465	3.4	94	49	30
35	402	42½	4¾	64	1210	130	—	98	4¼	2.14	210	10	—	123	1920	2.8	85	55	35
40	337	46½	5¼	67	1400	300	30	65	4¾	3.21	210	20	—	136	2320	2.3	76	58	40
45	292	49½	5¾	69	1555	500	80	45	5	4.62	210	35	—	146	2685	1.9	68	60	45
50	260	52½	6¼	71	1715	730	150	32	5½	5.20	165	40	5	155	3010	1.6	62	60	50
55	237	55	6¾	73	1875	970	270	23	6	5.90	130	45	10	162	3300	1.4	56	60	55
60	219	57	7	74	2025	1210	410	18	6½	6.50	115	50	15	169	3565	1.2	50	59	60
65	205	59	7¼	75	2155	1410	560	14	6¾	7.70	105	55	15	175	3800	1.0	44	58	65
70	193	60½	7½	76	2265	1580	700	12	7	8.70	100	60	20	180	4010	0.9	40	57	70
75	183	62	7¾	77	2350	1730	840	10	7¼	10.4	100	65	25	184	4195	0.8	35	56	75
80	175	63½	8	78	2415	1830	960	8	7½	11.8	100	70	30	188	4360	0.7	30	54	80

Table 61 (contd)

Douglas Fir

NORMAL YIELD TABLE: YIELD CLASS **260**

Age	MAIN CROP After Thinning							Yield From THINNINGS						TOTAL Production		INCREMENT			Age
	Number of Trees	Top Height	Mean BHQG	Basal Area	Volume (h. ft.) to top diameter o.b. of			Number of Trees	Mean BHQG	Av. Vol. per Tree	Volume (h. ft.) to top diameter o.b. of			Basal Area	Volume to 3 inches	C.A.I.		M.A.I.	
					3 inches	7 inches	9 inches				3 inches	7 inches	9 inches			Basal area	Volume to 3 inches	Volume to 3 inches	
		feet	ins.	sq. ft. q. g.					ins.	h. ft.				sq. ft. q. g.	h. ft.				
10	1240	25	2¾	72	475	—	—							72	475	9.2	185	48	10
15	620	40½	4	64	1025	20	—	620	3¾	.98	610	—	—	120	1635	9.6	266	109	15
20	338	55	5½	71	1615	380	40	282	4½	3.23	910	70	—	167	3135	9.4	332	157	20
25	208	68½	7¼	82	2455	1700	760	130	6¼	7.03	910	370	75	213	4885	8.9	359	195	25
30	147	81	9¾	96	3360	2990	2230	61	8¼	15.0	910	720	415	256	6700	8.0	361	223	30
35	114	91	11¾	108	4220	4000	3540	33	10¼	28.0	910	830	670	294	8470	7.0	344	242	35
40	94	99½	13½	119	4965	4790	4480	20	12½	44.4	910	880	790	327	10125	6.1	316	253	40
45	81	106½	15¼	129	5560	5480	5220	13	14¼	67.9	910	880	830	355	11630	5.3	287	258	45
50	72	112½	16¾	138	6210	6140	5890	9	15¾	80.0	720	715	690	379	13000	4.6	262	260	50
55	65	117½	18	146	6850	6750	6540	7	17¼	95.2	620	605	585	401	14260	4.1	240	259	55
60	60	122	19¼	153	7445	7340	7140	5	18¼	118.0	555	550	530	420	15410	3.6	220	257	60
65	56	125½	20¼	159	7980	7880	7690	4	19¾	137.0	515	510	495	436	16460	3.2	201	253	65
70	53	128½	21¼	165	8455	8370	8180	3	20¾	159.0	485	480	470	452	17420	2.8	182	249	70
75	50	131½	22	170	8855	8770	8590	3	21¾	174.0	465	460	450	465	18285	2.5	163	244	75
80	48	134	22¾	174	9180	9100	8930	2	22¼	189.0	445	440	430	476	19055	2.2	145	238	80

YIELD CLASS 240

10	1260	23½	2¾	67	385	—	—	—	—	—	—	—	—	67	385	8.6	165	39	10
15	690	38	3¾	64	950	—	—	570	3½	.84	480	—	—	112	1430	9.1	242	95	15
20	384	52	5	70	1490	250	—	306	4¼	2.75	840	50	—	158	2810	9.0	306	141	20
25	235	65	7	80	2265	1350	480	149	5¾	5.65	840	240	30	202	4425	8.5	331	177	25
30	164	77	9	92	3100	2630	1750	71	7½	11.9	840	590	270	243	6100	7.7	336	203	30
35	126	87	11	104	3915	3640	3090	38	9½	22.4	840	740	510	279	7755	6.7	321	222	35
40	103	95	12¾	115	4620	4410	4050	23	11½	35.7	840	800	690	310	9300	5.8	295	232	40
45	88	102	14¼	124	5190	5060	4800	15	13¼	54.2	840	800	750	337	10710	5.1	270	238	45
50	78	108	15⅓	132	5790	5680	5420	10	14⅔	65.7	690	670	640	361	12000	4.5	247	240	50
55	71	113	16¾	140	6380	6270	6020	7	16	82.1	590	575	550	382	13180	4.0	226	240	55
60	65	117½	18	147	6930	6820	6570	6	17¼	96.4	530	520	500	401	14260	3.5	206	238	60
65	61	121½	19	153	7435	7320	7100	4	18¼	115.0	485	480	460	417	15250	3.1	188	235	65
70	58	124½	20	159	7875	7770	7570	3	19¼	132.0	455	450	435	431	16145	2.7	170	231	70
75	55	127	20¾	164	8250	8150	7960	3	20⅓	148.0	435	430	415	444	16955	2.4	153	226	75
80	53	129½	21½	168	8565	8470	8290	2	21	165.0	410	405	400	455	17680	2.1	136	221	80

YIELD CLASS 220

10	1270	22	2½	62	285	—	—	—	—	—	—	—	—	62	285	8.1	148	28	10
15	770	35½	3½	64	885	—	—	500	3½	.70	350	—	—	105	1235	8.6	220	82	15
20	440	49	4½	69	1365	150	—	330	4	2.31	770	35	—	148	2485	8.6	279	124	20
25	269	61½	6½	78	2080	980	260	171	5¼	4.50	770	145	10	190	3970	8.1	307	159	25
30	187	73¼	8¼	80	2865	2270	1310	82	7	9.45	770	450	150	229	5525	7.3	309	184	30
35	143	83	10	100	3615	3280	2590	44	8¾	17.7	770	640	400	264	7045	6.4	295	201	35
40	116	90½	11⅜	110	4265	4020	3580	27	10½	28.2	770	695	580	294	8465	5.6	274	212	40
45	99	97½	13¼	119	4810	4640	4310	17	12	44.0	770	720	660	320	9780	4.9	252	217	45
50	87	103½	14½	127	5370	5240	4940	12	13¼	53.8	650	630	590	343	10990	4.3	231	220	50
55	78	108½	15⅔	134	5920	5790	5510	9	15	65.9	560	545	520	363	12100	3.8	212	220	55
60	72	113	16¾	141	6440	6320	6050	6	16	81.2	500	490	465	381	13120	3.4	194	219	60
65	67	116½	17¾	147	6905	6790	6550	5	17	95.2	460	450	435	397	14045	3.0	176	216	65
70	63	120	18½	152	7320	7200	6980	4	18	109.0	425	420	405	411	14885	2.6	159	213	70
75	60	122½	19¼	157	7670	7550	7330	3	18⅔	122.0	400	395	380	423	15635	2.3	142	209	75
80	57	125	20	161	7950	7860	7650	3	19½	132.0	385	380	365	434	16300	2.0	124	204	80

Douglas Fir (Continued)

NORMAL YIELD TABLE: YIELD CLASS 200

Age	MAIN CROP After Thinning							Yield From THINNINGS						TOTAL Production		INCREMENT			Age
	Number of Trees	Top Height	Mean BHQG	Basal Area	Volume (h. ft.) to top diameter o.b. of			Number of Trees	Mean BHQG	Av. Vol. per Tree	Volume (h. ft.) to top diameter o.b. of			Basal Area	Volume to 3 inches	C.A.I.		M.A.I.	
		feet	ins.	sq. ft. q. g.	3 inches	7 inches	9 inches		ins.	h. ft.	3 inches	7 inches	9 inches	sq. ft. q. g.	h. ft.	Basal area	Volume to 3 inches	Volume to 3 inches	
15	870	33	3¼	65	830	—	—	430	3¼	0.47	200	—	—	97	1030	8.0	197	69	15
20	507	45½	4½	67	1255	80	—	363	3¾	1.93	700	15	—	137	2155	8.1	247	108	20
25	315	58	6	76	1895	630	100	192	4¾	3.65	700	80	—	177	3495	7.8	282	140	25
30	217	69	7½	87	2630	1840	830	98	6¼	7.18	700	300	70	214	4930	7.0	285	164	30
35	164	78½	9¼	97	3320	2880	2000	53	8	13.3	700	510	255	247	6320	6.1	270	181	35
40	132	86½	10¾	106	3925	3620	3040	32	9½	21.9	700	610	450	276	7625	5.4	252	190	40
45	111	93	12	114	4435	4210	3800	21	10¾	32.6	700	645	545	301	8835	4.7	233	196	45
50	97	98½	13¼	121	4940	4760	4450	14	12¼	42.8	620	590	535	323	9960	4.2	216	199	50
55	87	103½	14½	128	5445	5290	5000	10	13½	53.7	530	510	480	343	10995	3.7	198	200	55
60	80	108	15½	134	5925	5780	5510	7	14¾	65.9	470	460	435	361	11945	3.3	181	199	60
65	74	111½	16½	140	6355	6220	5960	6	15¾	77.0	430	420	400	376	12805	2.9	163	197	65
70	70	114½	17¼	145	6735	6600	6350	4	16½	88.4	395	390	370	389	13580	2.5	146	194	70
75	66	117½	18	149	7055	6930	6690	4	17¼	99.2	370	365	350	401	14270	2.2	129	190	75
80	63	120	18½	152	7305	7190	6960	3	18	109.0	355	350	335	411	14875	1.9	113	186	80

YIELD CLASS 180

15	990	30	3	65	740	—	—	310	3¼	0.26	80	—	—	88	820	7.4	168	55	15
20	593	42	4	66	1105	30	—	397	3¾	1.59	630	—	—	126	1815	7.6	223	91	20
25	375	54	5½	74	1680	350	30	218	4½	2.89	630	40	—	164	3020	7.4	251	121	25
30	257	64½	7	84	2335	1300	430	118	5¾	5.36	630	160	20	199	4305	6.6	257	143	30
35	193	73½	8½	93	2975	2370	1350	64	7	9.92	630	375	130	230	5575	5.8	248	159	35
40	154	81	9¾	101	3550	3150	2390	39	8¼	16.2	630	500	300	257	6780	5.1	233	169	40
45	129	87½	11	109	4045	3750	3230	25	9¾	24.7	630	560	425	281	7905	4.5	216	176	45
50	112	93½	12¼	116	4500	4280	3890	17	11	33.4	585	540	455	303	8945	4.0	199	179	50
55	100	98½	13¼	122	4960	4780	4450	12	12¼	40.9	495	475	430	322	9900	3.5	183	180	55
60	91	102½	14¼	128	5390	5230	4940	9	13¼	50.5	440	425	395	338	10770	3.1	166	179	60
65	84	106	15	133	5785	5630	5350	7	14¼	60.0	395	385	360	353	11560	2.7	149	178	65
70	79	109	15¾	138	6125	5980	5710	5	15	69.7	365	355	335	366	12265	2.4	133	175	70
75	75	112	16¼	142	6410	6280	6010	4	15¾	78.0	340	330	315	377	12890	2.1	117	172	75
80	71	114	17¼	145	6640	6520	6250	4	16½	86.1	320	315	305	387	13440	1.8	103	168	80

YIELD CLASS 160

15	1240	27½	3	79	615	—	—	—	—	—	—	—	—	79	615	6.9	145	41	15
20	696	38¾	3¾	66	985	—	—	544	3½	0.92	500	—	—	114	1485	7.1	196	74	20
25	454	49½	5¼	72	1485	160	—	242	4¼	2.31	560	20	—	150	2545	6.9	222	102	25
30	312	59½	6¼	81	2065	820	160	142	5	3.96	560	80	—	183	3685	6.2	231	123	30
35	231	68½	7¼	89	2655	1810	770	81	6¼	6.96	560	220	45	212	4835	5.5	226	138	35
40	182	76	8¾	96	3195	2650	1710	49	7½	11.5	560	375	150	238	5935	4.9	213	148	40
45	151	82	10	103	3665	3270	2550	31	8¾	17.8	560	460	285	261	6965	4.3	198	155	45
50	130	87½	11	110	4070	3790	3240	21	9¾	25.6	550	475	370	282	7920	3.8	184	158	50
55	115	92½	12	116	4490	4270	3840	15	10¾	30.7	460	425	355	300	8800	3.4	168	160	55
60	104	97	13	122	4890	4690	4350	11	11¾	38.0	400	380	340	316	9600	3.0	152	160	60
65	96	100½	13¾	127	5250	5070	4760	8	12¾	45.5	360	345	315	330	10320	2.6	136	159	65
70	90	103½	14½	131	5565	5400	5110	6	13½	53.0	330	320	300	342	10965	2.3	121	157	70
75	85	106	15¼	134	5825	5670	5390	5	14¼	60.0	310	300	285	353	11535	2.0	106	154	75
80	81	108	15¾	137	6020	5870	5600	4	14¾	66.1	300	290	275	362	12030	1.7	92	150	80

Douglas Fir (Continued)

NORMAL YIELD TABLE: YIELD CLASS 140

Age	MAIN CROP After Thinning							Yield From THINNINGS						TOTAL Production		INCREMENT			Age
	Number of Trees	Top Height	Mean BHQG	Basal Area	Volume (h. ft.) to top diameter o.b. of			Number of Trees	Mean BHQG	Av. Vol. per Tree	Volume (h. ft.) to top diameter o.b. of			Basal Area	Volume to 3 inches	C.A.I.		M.A.I.	
					3 inches	7 inches	9 inches				3 inches	7 inches	9 inches			Basal area	Volume to 3 inches	Volume to 3 inches	
		feet	ins.	sq. ft. q. g.					ins.	h. ft.				sq. ft. q. g.	h. ft.				
15	1275	24	2¾	69	420	—	—	—	—	—	—	—	—	69	420	6.4	120	28	15
20	825	34½	3½	66	850	—	—	450	3¼	0.67	300	—	—	102	1150	6.6	167	58	20
25	555	45	4¼	70	1280	40	—	270	3¾	1.81	490	10	—	134	2070	6.4	196	83	25
30	387	54½	5¼	78	1805	390	40	168	4½	2.91	490	35	—	165	3085	5.9	205	103	30
35	285	62½	6¾	85	2335	1140	320	102	5¼	4.83	490	110	10	193	4105	5.2	201	117	35
40	221	70	7¾	92	2830	2060	920	64	6¼	7.72	490	210	50	218	5090	4.6	191	127	40
45	181	76½	8¾	98	3265	2740	1800	40	7¼	12.1	490	340	150	240	6015	4.1	178	134	45
50	155	82	9¾	104	3640	3270	2510	26	8¼	18.5	490	395	245	260	6880	3.6	166	138	50
55	136	86½	10¾	110	4010	3710	3110	19	9¼	21.8	425	370	270	277	7675	3.2	152	140	55
60	123	90½	11½	115	4370	4110	3640	13	10¼	27.4	365	335	270	292	8400	2.8	138	140	60
65	113	94	12¼	120	4695	4470	4080	10	11	32.8	330	305	260	305	9055	2.4	124	139	65
70	105	97	13	124	4980	4790	4440	8	11¾	38.6	300	285	250	317	9640	2.1	110	137	70
75	99	99½	13½	127	5215	5030	4710	6	12½	44.0	280	270	245	327	10155	1.8	96	135	75
80	94	101½	14	129	5390	5220	4920	5	13	48.7	270	260	240	335	10600	1.5	82	132	80

YIELD CLASS 120

15	1300	20¼	2½	58	210	—	—	—	—	—	—	—	—	58	210	5.8	102	14	15
20	976	30½	3	65	725	—	—	324	3¼	0.31	100	—	—	88	825	6.0	140	41	20
25	688	40	3¾	69	1075	—	—	288	3½	1.46	420	—	—	118	1595	5.9	164	64	25
30	492	49	4¼	75	1510	140	—	196	4	2.14	420	10	—	147	2450	5.5	175	82	30
35	363	56½	5¼	81	1975	580	70	129	4¾	3.26	420	40	—	173	3335	4.9	177	95	35
40	280	63½	6¼	87	2435	1310	380	83	5¼	5.09	420	95	10	196	4215	4.4	172	105	40
45	227	69½	7¾	93	2855	2050	940	53	6¼	7.92	420	190	40	217	5055	3.9	162	112	45
50	192	75	8¾	99	3215	2640	1640	35	7¼	11.8	420	270	105	235	5835	3.5	150	117	50
55	168	79½	9½	104	3540	3100	2250	24	8¼	16.0	390	300	165	252	6550	3.1	136	119	55
60	150	83½	10¼	108	3855	3490	2780	18	9	18.6	335	280	185	266	7200	2.7	124	120	60
65	137	87	11	112	4145	3840	3250	13	9¾	23.0	295	260	190	279	7785	2.3	110	120	65
70	127	90	11½	116	4400	4130	3630	10	10¼	26.6	265	240	190	290	8305	2.0	98	119	70
75	119	92½	12	119	4605	4360	3920	8	10¾	30.6	250	230	190	299	8760	1.7	84	117	75
80	112	94½	12½	121	4755	4540	4150	7	11¼	33.6	240	225	190	307	9150	1.4	72	114	80

Table 62 (contd)

Western Hemlock

NORMAL YIELD TABLE: YIELD CLASS **260**

Age	MAIN CROP After Thinning							Yield From THINNINGS						TOTAL Production		INCREMENT			Age
	Number of Trees	Top Height	Mean BHQG	Basal Area	Volume (h. ft.) to top diameter o.b. of			Number of Trees	Mean BHQG	Av. Vol. per Tree	Volume (h. ft.) to top diameter o.b. of			Basal Area	Volume to 3 inches	C.A.I.		M.A.I.	
					3 inches	7 inches	9 inches				3 inches	7 inches	9 inches			Basal area	Volume to 3 inches	Volume to 3 inches	
		feet	ins.	sq. ft. q. g.					ins.	h. ft.				sq. ft. q. g.	h. ft.				
15	1145	34½	3¼	77	1170	—	—	425	3½	0.35	150	—	—	106	1320	10.6	165	86	15
20	685	46½	4¼	88	1800	90	—	460	3¾	1.98	910	—	—	161	2860	9.6	336	143	20
25	442	58	5½	96	2715	680	80	243	4½	3.74	910	70	—	204	4660	7.8	376	186	25
30	317	69	6¾	103	3665	2090	680	125	5¾	7.30	910	280	40	240	6545	6.6	370	218	30
35	247	78½	8	110	4545	3490	1830	70	7	13.1	910	540	185	271	8335	5.6	345	238	35
40	203	87	9	117	5290	4530	3110	44	8	20.9	910	705	380	297	9990	4.9	318	250	40
45	172	94½	10	122	5915	5360	4260	31	9	29.6	910	780	530	320	11525	4.3	296	256	45
50	150	101	11	127	6495	6040	5190	22	10	38.0	850	770	610	341	12955	3.9	276	259	50
55	133	107	12	131	7025	6650	5970	17	11	46.5	800	745	640	359	14285	3.6	259	260	55
60	120	112½	12¾	135	7535	7210	6660	13	12	56.2	750	710	640	376	15545	3.3	244	259	60
65	109	118	13½	139	8015	7730	7240	11	12¾	65.9	715	685	635	392	16740	3.1	231	257	65
70	100	122½	14¼	142	8460	8210	7750	9	13¾	76.0	685	660	620	407	17870	2.9	220	255	70
75	92	127	15	145	8875	8650	8200	8	14½	87.0	665	645	610	421	18950	2.7	211	253	75
80	85	131½	15¾	148	9265	9050	8600	7	15¼	98.5	650	635	605	434	19990	2.6	204	250	80

YIELD CLASS 240

15	1550	31½	3	92	1030	—	—	—	—	—	—	—	—	92	1030	10.4	230	69	15
20	825	43½	4	88	1580	40	—	725	3½	1.16	840	—	—	147	2420	9.7	309	121	20
25	519	54½	5¼	95	2385	400	20	306	4¼	2.75	840	35	—	190	4065	7.8	341	163	25
30	364	64½	6½	102	3285	1460	360	155	5½	5.33	840	155	10	226	5805	6.6	345	194	30
35	279	74	7½	109	4130	2840	1230	85	6½	9.93	840	380	90	257	7490	5.6	327	214	35
40	227	82	8½	115	4865	3960	2400	52	7½	16.3	840	580	245	283	9065	4.9	305	227	40
45	192	89½	9½	120	5495	4810	3530	35	8½	24.1	840	680	410	305	10535	4.3	284	234	45
50	167	96	10½	124	6055	5520	4500	25	9½	31.9	810	705	505	325	11905	3.9	264	238	50
55	148	102	11¼	128	6575	6140	5330	19	10½	38.9	755	685	550	344	13180	3.5	248	239	55
60	133	107½	12	132	7070	6700	6030	15	11¼	47.1	705	655	570	360	14380	3.2	232	240	60
65	121	112½	12¾	136	7525	7210	6640	12	12	55.7	675	635	570	375	15510	2.9	220	239	65
70	111	117	13½	139	7955	7670	7190	10	12¾	64.3	645	615	565	389	16585	2.7	209	237	70
75	102	121½	14¼	142	8360	8100	7650	9	13½	73.3	620	600	560	403	17610	2.6	200	235	75
80	94	125½	14¾	144	8730	8490	8050	8	14¼	80.3	610	590	555	416	18590	2.5	192	232	80

YIELD CLASS 220

15	1550	29	2¾	77	770	—	—	—	—	—	—	—	—	77	770	10.1	195	51	15
20	950	40	3¾	87	1375	—	—	600	3½	1.00	600	—	—	133	1975	9.8	276	99	20
25	605	50½	4¾	94	2100	200	—	345	4	2.23	770	15	—	177	3470	7.9	314	139	25
30	420	60½	5¾	100	2950	970	150	185	4¾	4.17	770	85	—	212	5090	6.7	324	170	30
35	318	69½	7	106	3770	2190	740	102	6	7.58	770	245	40	242	6680	5.7	311	191	35
40	256	77½	8	112	4505	3390	1750	62	7	12.5	770	440	140	268	8185	4.9	290	205	40
45	215	85	9	117	5125	4290	2820	41	8	19.0	770	570	280	290	9575	4.3	268	213	45
50	186	91	9¾	121	5645	5020	3770	29	8¾	26.2	770	630	395	310	10865	3.8	250	217	50
55	164	97	10½	125	6140	5620	4630	22	9½	32.5	710	625	455	328	12070	3.4	234	219	55
60	147	102	11¼	129	6605	6170	5360	17	10¼	39.3	665	605	490	344	13200	3.1	220	220	60
65	133	107	12	133	7055	6670	6010	14	11	46.1	630	585	505	359	14280	2.9	209	220	65
70	122	111½	12¾	136	7475	7140	6570	11	11¾	54.2	600	565	505	373	15300	2.7	199	219	70
75	113	116	13¼	139	7870	7580	7060	9	12¼	61.7	580	555	510	356	16275	2.5	190	217	75
80	105	120	14	141	8230	7970	7490	8	13¼	69.9	570	550	510	398	17210	2.4	183	215	80

Western Hemlock (Continued)

NORMAL YIELD TABLE: YIELD CLASS 200

Age	MAIN CROP After Thinning							Yield From THINNINGS						TOTAL Production		INCREMENT			Age
	Number of Trees	Top Height	Mean BHQG	Basal Area	Volume (h. ft.) to top diameter o.b. of			Number of Trees	Mean BHQG	Av. Vol. per Tree	Volume (h. ft.) to top diameter o.b. of			Basal Area	Volume to 3 inches	C.A.I.		M.A.I.	
					3 inches	7 inches	9 inches				3 inches	7 inches	9 inches			Basal area	Volume to 3 inches	Volume to 3 inches	
		feet	ins.	sq. ft. q. g.					ins.	h. ft.				sq. ft. q. g.	h. ft.				
15	1550	26	2¼	59	515	—	—	—	—	—	—	—	—	59	515	9.7	155	34	15
20	1095	36½	3¼	83	1155	—	—	455	3¼	0.83	380	—	—	117	1535	9.9	235	77	20
25	715	46½	4¼	91	1770	80	—	380	3¾	1.84	700	5	—	160	2850	8.0	286	114	25
30	495	56	5¼	98	2560	540	40	220	4¼	3.18	700	35	—	197	4340	6.7	300	145	30
35	370	65	6¼	104	3350	1510	360	125	5¼	5.60	700	130	10	227	5830	5.7	291	167	35
40	293	72½	7¼	109	4065	2670	1040	77	6¼	9.14	700	285	60	252	7245	4.8	272	181	40
45	244	79½	8¼	114	4670	3630	2020	49	7¼	14.3	700	435	160	274	8550	4.2	252	190	45
50	210	86	9	118	5190	4400	2970	34	8	20.3	700	525	270	294	9770	3.7	237	195	50
55	185	91½	9¾	122	5665	5030	3830	25	8¾	26.5	675	555	350	311	10920	3.3	221	198	55
60	166	96½	10½	126	6120	5580	4580	19	9½	31.9	620	545	395	327	11995	3.0	208	200	60
65	151	101	11¼	129	6540	6090	5250	15	10¼	37.8	585	525	420	341	13000	2.8	196	200	65
70	138	105½	11¾	132	6940	6540	5830	13	10¾	44.1	560	515	435	354	13960	2.6	186	199	70
75	127	109½	12½	135	7310	6960	6350	11	11½	50.9	540	510	450	367	14870	2.4	178	198	75
80	118	113½	13	137	7655	7350	6800	9	12	57.7	530	505	455	379	15745	2.3	173	197	80

YIELD CLASS 180

20	1320	32½	3	81	975	—	—	230	3¼	0.67	155	—	—	98	1130	9.5	195	56	20
25	875	42	3¾	90	1496	20	—	445	3½	1.42	630	—	—	143	2275	8.1	250	91	25
30	601	51½	4¾	96	2185	240	—	274	4	2.30	630	10	—	180	3600	6.8	274	120	30
35	442	60	5¾	102	2930	860	140	159	4¾	3.97	630	60	—	210	4980	5.7	271	142	35
40	347	67½	6¾	107	3615	1880	550	95	5½	6.67	630	160	40	236	6290	4.8	254	157	40
45	287	74	7½	112	4215	2920	1270	60	6½	10.5	630	295	70	257	7520	4.1	236	167	45
50	245	80	8¼	116	4730	3710	2100	42	7¼	15.0	630	405	150	276	8665	3.6	222	173	50
55	215	85½	9	120	5170	4360	2910	30	8	20.7	630	465	235	293	9735	3.2	208	177	55
60	192	90½	9½	123	5600	4940	3670	23	8½	25.2	580	475	290	308	10745	2.9	196	179	60
65	174	95	10¼	126	6010	5460	4370	18	9¼	30.4	540	465	325	322	11695	2.7	186	180	65
70	159	99	10¾	129	6395	5910	4990	15	9¾	35.5	515	460	355	335	12595	2.5	176	180	70
75	146	103	11½	131	6750	6320	5530	13	10½	40.0	500	455	375	347	13450	2.3	168	179	75
80	135	107	12	133	7085	6700	6010	11	11	46.4	490	455	385	359	14275	2.2	162	178	80

YIELD CLASS 160

20	1550	29	2¾	77	765	—	—	—	—	—	—	—	—	77	765	8.9	155	38	20
25	1060	38	3½	86	1145	—	—	490	3¼	1.14	560	—	—	123	1705	8.2	212	68	25
30	735	46½	4¼	93	1740	80	—	325	3¾	1.72	560	—	—	161	2860	6.9	246	95	30
35	533	54½	5¼	99	2450	420	30	202	4¼	2.78	560	25	—	192	4130	5.8	250	118	35
40	413	62	6	104	3110	1160	220	120	5	4.67	560	75	5	218	5350	4.8	238	134	40
45	337	68½	6¾	109	3695	2070	650	76	5¾	7.37	560	160	25	239	6495	4.1	222	144	45
50	285	74½	7¼	113	4210	2930	1300	52	6½	10.7	560	265	70	258	7570	3.5	207	151	50
55	249	79½	8¼	116	4645	3630	2000	36	7¼	15.3	560	345	130	275	8565	3.1	194	156	55
60	222	84½	8¾	119	5045	4210	2720	27	7¾	19.3	530	385	185	290	9495	2.8	182	158	60
65	200	89	9½	122	5425	4720	3380	22	8½	22.9	495	395	230	303	10370	2.6	172	159	65
70	183	93	10	125	5790	5180	4000	17	9	27.8	465	395	260	315	11200	2.4	163	160	70
75	168	96½	10½	127	6135	5600	4580	15	9¼	31.0	450	400	285	327	11995	2.2	155	160	75
80	155	100	11	129	6445	5980	5090	13	10	35.6	445	400	305	338	12750	2.1	149	159	80

Western Hemlock (Continued)

NORMAL YIELD TABLE: YIELD CLASS 140

Age	MAIN CROP After Thinning							Yield From THINNINGS						TOTAL Production		INCREMENT			Age
	Number of Trees	Top Height	Mean BHQG	Basal Area	Volume (h. ft.) to top diameter o.b. of			Number of Trees	Mean BHQG	Av. Vol. per Tree	Volume (h. ft.) to top diameter o.b. of			Basal Area	Volume to 3 inches	C.A.I.		M.A.I.	
					3 inches	7 inches	9 inches				3 inches	7 inches	9 inches			Basal area	Volume to 3 inches	Volume to 3 inches	
		feet	ins.	sq. ft. q. g.					ins.	h. ft.				sq. ft. q. g.	h. ft.				
25	1300	33	3	82	870	—	—	250	3¼	1.12	280	—	—	99	1150	8.4	176	46	25
30	925	41	3¾	89	1360	20	—	375	3½	1.31	490	—	—	139	2130	7.1	210	71	30
35	675	49	4½	96	1975	140	—	250	3¾	1.96	490	10	—	171	3235	5.8	224	92	35
40	517	56	5¼	102	2600	520	40	158	4¼	3.11	490	25	—	197	4350	4.8	218	109	40
45	417	62½	6	106	3165	1190	230	100	5	4.90	490	65	5	219	5405	4.0	205	120	45
50	351	68	6¾	110	3660	2000	610	66	5¾	7.37	490	135	15	238	6390	3.4	192	128	50
55	301	73	7¼	113	4095	2720	1110	50	6¼	9.80	490	210	45	254	7315	3.0	179	133	55
60	267	77½	7¾	116	4470	3330	1670	34	6¾	14.2	490	275	85	268	8180	2.7	167	136	60
65	240	82	8¼	119	4830	3880	2310	27	7¼	16.4	450	300	125	281	8990	2.5	157	138	65
70	218	86	8¾	121	5180	4360	2920	22	7¾	19.5	420	315	160	293	9760	2.3	149	139	70
75	200	89½	9¼	123	5500	4790	3470	18	8¼	23.2	405	325	195	304	10485	2.1	143	140	75
80	184	92½	9¾	125	5800	5180	3970	16	8¾	25.8	400	335	220	315	11185	2.0	137	140	80

Normal Yield Tables Continued Overleaf

Western Red Cedar and Lawson Cypress

NORMAL YIELD TABLE: YIELD CLASS **280**

Age	MAIN CROP After Thinning							Yield From THINNINGS						TOTAL Production		INCREMENT			Age
	Number of Trees	Top Height feet	Mean BHQG ins.	Basal Area sq. ft. q. g.	Volume (h. ft.) to top diameter o.b. of 3 inches	7 inches	9 inches	Number of Trees	Mean BHQG ins.	Av. Vol. per Tree h. ft.	Volume (h. ft.) to top diameter o.b. of 3 inches	7 inches	9 inches	Basal Area sq. ft. q. g.	Volume to 3 inches h. ft.	C.A.I. Basal area	C.A.I. Volume to 3 inches	M.A.I. Volume to 3 inches	
15	1400	30½	3½	126	1170	—	—	—	—	—	—	—	—	126	1170	12.8	263	78	15
20	890	42½	4½	125	1865	130	—	510	4¼	1.82	930	40	—	190	2795	12.5	363	140	20
25	600	53½	5¾	136	2825	850	110	290	5	3.38	980	135	10	251	4735	12.0	402	189	25
30	442	63	7	152	3875	2380	830	158	6	6.20	980	380	80	309	6765	11.0	403	225	30
35	348	71½	8¼	169	4870	3940	2270	94	7¼	10.4	980	645	250	361	8740	9.7	384	250	35
40	288	79	9¼	183	5750	5060	3730	60	8½	16.2	980	800	495	406	10600	8.7	358	265	40
45	247	85½	10¾	196	6495	5990	5030	41	9¾	23.6	980	875	675	448	12325	7.8	332	274	45
50	217	91½	11¾	208	7195	6800	6060	30	11	29.5	900	845	740	485	13925	7.1	308	279	50
55	195	96½	12¾	219	7880	7550	6950	22	12¼	36.8	800	770	705	518	15410	6.4	286	280	55
60	178	101½	13¾	229	8520	8230	7710	17	13½	44.5	740	715	660	549	16790	5.9	266	280	60
65	164	106	14¼	238	9115	8850	8360	14	14¼	51.1	690	670	630	577	18075	5.4	247	278	65
70	153	110	15¼	246	9660	9400	8930	11	15	60.6	650	630	605	603	19270	4.9	230	275	70
75	144	114	16	254	10150	9910	9440	9	15¾	68.4	620	605	580	627	20380	4.5	214	272	75
80	136	117½	16¾	261	10585	10330	9900	8	16½	75.5	595	585	560	649	21400	4.2	198	268	80

YIELD CLASS 260

15	1435	29	3½	118	995	—	—	—	—	—	—	—	—	118	995	12.1	226	66	15
20	977	40	4½	123	1740	90	—	458	4	1.51	690	25	—	177	2430	11.8	328	122	20
25	675	50½	5¼	134	2605	570	50	302	4¾	3.01	910	90	—	236	4205	11.4	371	168	25
30	497	60	6¼	149	3590	1800	490	178	5¾	5.13	910	260	35	291	6100	10.4	376	203	30
35	388	68	7¾	164	4530	3320	1630	109	6¾	8.39	910	495	155	340	7950	9.3	360	227	35
40	319	75	9	178	5365	4540	3060	69	7¾	13.1	910	680	345	384	9695	8.4	338	242	40
45	272	81½	10	191	6090	5480	4320	47	9	19.2	910	780	530	424	11330	7.6	314	252	45
50	238	87½	11	202	6740	6270	5380	34	10¼	25.2	870	785	625	460	12850	6.8	293	257	50
55	213	92½	12	213	7390	7000	6300	25	11¼	30.8	770	720	625	492	14270	6.2	272	259	55
60	193	97½	13	222	8005	7670	7100	20	12¼	36.8	700	665	605	522	15585	5.7	253	260	60
65	177	102	13¾	230	8575	8290	7780	16	13¼	43.3	650	625	580	549	16805	5.2	235	259	65
70	165	106	14½	238	9090	8820	8340	12	14	52.0	615	595	560	574	17935	4.8	218	256	70
75	155	109½	15¼	246	9550	9290	8830	10	14¾	58.8	590	570	540	597	18985	4.4	202	253	75
80	147	112½	15¾	253	9955	9710	9260	8	15½	66.6	565	550	525	618	19955	4.0	186	249	80

YIELD CLASS 240

15	1435	27½	3¼	109	820	—	—	—	—	—	—	—	—	109	820	11.4	196	55	15
20	1065	38	4	124	1640	60	—	370	4	1.24	460	10	—	165	2100	11.2	298	105	20
25	748	48	5	133	2425	370	20	317	4½	2.65	840	65	—	220	3725	10.8	340	149	25
30	554	57	6¼	146	3315	1350	260	194	5¼	4.33	840	180	15	272	5455	9.9	346	182	30
35	433	64½	7¼	160	4190	2750	1100	121	6¼	6.94	840	360	80	319	7170	9.0	338	205	35
40	354	71½	8½	173	5000	4000	2350	79	7¼	10.7	840	550	215	362	8820	8.1	320	221	40
45	300	78	9½	185	5705	4970	3610	54	8¼	15.4	840	675	395	400	10365	7.3	299	230	45
50	262	83½	10½	195	6310	5750	4670	38	9¼	21.8	840	720	520	435	11810	6.6	278	236	50
55	234	88½	11¼	205	6920	6470	5610	28	10¼	25.6	730	670	545	466	13150	6.0	260	239	55
60	212	93	12	214	7510	7120	6430	22	11½	30.7	660	620	540	495	14400	5.5	241	240	60
65	195	97	12¾	223	8060	7730	7140	17	12¼	37.2	615	585	530	521	15565	5.0	224	239	65
70	181	101	13½	231	8560	8250	7730	14	13	42.9	580	555	520	545	16645	4.6	207	238	70
75	170	104½	14¼	238	9005	8720	8240	11	13¾	50.0	550	535	505	567	17640	4.2	190	235	75
80	161	107½	14¾	244	9380	9120	8650	9	14½	56.1	535	520	490	587	18550	3.8	174	232	80

Western Red Cedar and Lawson Cypress (Continued)

NORMAL YIELD TABLE: YIELD CLASS 220

Table 64 (contd)

Age	MAIN CROP After Thinning							Yield From THINNINGS						TOTAL Production		INCREMENT			Age
	Number of Trees	Top Height	Mean BHQG	Basal Area	Volume (h. ft.) to top diameter o.b. of			Number of Trees	Mean BHQG	Av. Vol. per Tree	Volume (h. ft.) to top diameter o.b. of			Basal Area	Volume to 3 inches	C.A.I.		M.A.I.	
					3 inches	7 inches	9 inches				3 inches	7 inches	9 inches			Basal area	Volume to 3 inches	Volume to 3 inches	
		feet	ins.	sq. ft. q. g.					ins.	h. ft.				sq. ft. q. g.	h. ft.				
15	1440	25½	3¼	99	660	—	—	—	—	—	—	—	—	99	660	10.6	170	44	15
20	1175	35½	4	124	1530	35	—	265	4	0.91	240	5	—	152	1770	10.5	260	89	20
25	840	45	4¾	132	2195	220	—	335	4½	2.29	770	40	—	204	3205	10.1	304	128	25
30	625	53½	5¾	143	3000	910	130	215	5	3.57	770	120	5	253	4780	9.4	320	159	30
35	488	61	6¾	155	3825	2130	650	137	5¾	5.62	770	255	35	298	6375	8.6	315	182	35
40	397	68	7¾	167	4595	3370	1660	91	6¾	8.46	770	420	120	339	7915	7.8	300	198	40
45	335	74	8¾	178	5280	4390	2810	62	7¾	12.3	770	555	260	376	9370	7.0	281	208	45
50	291	79½	9¾	189	5870	5190	3910	44	8¾	17.3	770	630	395	410	10730	6.4	263	215	50
55	259	84	10½	198	6440	5900	4850	32	9¾	21.5	700	615	460	440	12000	5.8	245	218	55
60	234	88½	11¼	207	7005	6550	5680	25	10½	25.3	620	565	460	468	13185	5.3	228	220	60
65	214	92½	12	215	7535	7140	6420	20	11¼	29.2	570	535	460	493	14285	4.8	212	220	65
70	199	96½	12¾	222	8015	7670	7050	15	12	36.1	540	510	460	516	15305	4.4	196	219	70
75	187	100	13¼	229	8440	8120	7580	12	12¾	41.4	515	490	455	537	16245	4.0	180	217	75
80	177	103	13¾	235	8805	8510	8010	10	13½	46.5	415	480	450	555	17105	3.6	164	214	80

YIELD CLASS 200

15	1450	23½	3	90	505	—	—	—	—	—	—	—	—	90	505	9.9	146	34	15
20	1280	33	3¾	125	1430	15	—	170	3½	0.24	40	—	—	140	1470	9.8	229	74	20
25	940	42	4½	130	2005	130	—	340	4¼	2.03	700	25	—	188	2745	9.5	272	110	25
30	705	50½	5¼	140	2720	580	60	235	4¾	2.97	700	70	—	234	4160	8.9	288	139	30
35	551	57½	6¼	150	3470	1520	340	154	5½	4.53	700	160	15	277	5610	8.2	288	160	35
40	448	64	7¼	161	4190	2710	1020	103	6¼	6.80	700	300	60	316	7030	7.4	278	176	40
45	377	70	8¼	172	4840	3740	2040	71	7	8.79	700	425	150	351	8380	6.7	262	186	45
50	326	75	9	182	5410	4570	3080	51	8	13.6	700	525	270	384	9650	6.1	247	193	50
55	289	80	9¾	191	5935	5270	4000	37	8¾	17.9	670	555	355	413	10845	5.6	232	197	55
60	261	84	10½	199	6465	5910	4860	28	9½	20.8	590	520	390	439	11965	5.1	215	199	60
65	239	88	11¼	207	6970	6500	5620	22	10¼	24.9	535	490	400	463	13005	4.6	200	200	65
70	221	91½	11¾	214	7425	7010	6260	18	11	28.7	505	465	400	485	13965	4.2	184	199	70
75	207	94½	12¼	220	7835	7460	6810	14	11¾	33.7	475	450	400	505	14850	3.8	168	198	75
80	196	97½	12¾	226	8185	7840	7250	11	12¼	40.0	460	440	400	523	15660	3.4	154	196	80

YIELD CLASS 180

15	1500	21½	2¾	80	355	—	—	—	—	—	—	—	—	80	355	9.1	121	24	15
20	1410	30½	3½	126	1160	—	—	—	—	—	—	—	—	126	1160	9.1	194	58	20
25	1060	39	4¼	130	1790	70	—	350	4	1.34	470	15	—	171	2260	8.9	238	90	25
30	810	47	5	138	2420	310	10	250	4½	2.51	630	45	—	214	3520	8.4	260	117	30
35	635	54	5¾	147	3110	940	130	175	5	3.59	630	100	5	255	4840	7.8	265	138	35
40	516	60	6½	156	3795	1950	550	119	5¾	5.29	630	190	25	292	6155	7.1	258	154	40
45	432	65½	7½	166	4420	2990	1270	84	6½	7.50	630	300	75	326	7410	6.4	244	165	45
50	372	70½	8¼	175	4970	3900	2210	60	7¼	10.4	630	400	155	356	8590	5.8	228	172	50
55	328	75	9	183	5445	4610	3110	44	8	14.2	630	475	240	384	9695	5.3	214	176	55
60	294	79½	9¾	191	5915	5240	3930	34	8¾	16.4	560	460	285	409	10725	4.8	200	179	60
65	268	83	10½	198	6385	5810	4700	26	9½	19.4	495	430	310	432	11690	4.4	186	180	65
70	248	86½	10¾	205	6820	6310	5360	20	10	23.2	460	415	325	453	12585	4.0	171	180	70
75	232	89½	11¼	211	7205	6750	5920	16	10½	26.7	435	400	330	472	13405	3.6	157	179	75
80	219	92	11¾	217	7540	7120	6390	13	11	30.8	415	390	335	489	14155	3.2	142	177	80

Western Red Cedar and Lawson Cypress (Continued)

NORMAL YIELD TABLE: YIELD CLASS **160**

Table 64 (contd)

Age	MAIN CROP After Thinning							Yield From THINNINGS						TOTAL Production		INCREMENT			Age
	Number of Trees	Top Height	Mean BHQG	Basal Area	Volume (h. ft.) to top diameter o.b. of			Number of Trees	Mean BHQG	Av. Vol. per Tree	Volume (h. ft.) to top diameter o.b. of			Basal Area	Volume to 3 inches	C.A.I.		M.A.I.	
					3 inches	7 inches	9 inches				3 inches	7 inches	9 inches			Basal area	Volume to 3 inches	Volume to 3 inches	
		feet	ins.	sq. ft. q. g.					ins.	h. ft.				sq. ft. q. g.	h. ft.				
20	1430	28	3½	113	875	—	—	—	—	—	—	—	—	113	875	8.5	160	44	20
25	1195	36	4	131	1580	30	—	235	3¾	0.98	230	5	—	155	1810	8.3	208	72	25
30	925	43½	4½	136	2135	170	—	270	4½	2.05	560	25	—	195	2925	7.9	232	98	30
35	733	50	5¼	144	2765	540	50	192	4¾	2.90	560	55	—	233	4115	7.3	240	118	35
40	595	56	6	152	3395	1290	240	138	5¼	4.06	560	110	10	268	5305	6.7	234	133	40
45	497	61½	6¾	160	3980	2220	690	98	6	5.70	560	190	30	300	6450	6.1	223	143	45
50	427	66½	7½	168	4505	3140	1390	70	6¼	7.94	560	280	75	329	7535	5.6	210	151	50
55	375	70½	8¼	176	4965	3920	2210	52	7¼	10.9	560	355	130	356	8555	5.1	198	156	55
60	336	74½	9	184	5410	4540	2990	39	8	12.9	510	375	180	380	9510	4.6	184	159	60
65	306	78	9½	191	5845	5120	3760	30	8½	15.2	450	360	215	402	10395	4.2	170	160	65
70	282	81	10	197	6255	5630	4420	24	9	17.4	410	350	240	422	11215	3.8	157	160	70
75	263	84	10½	203	6625	6080	5000	19	9½	20.8	385	340	255	440	11970	3.4	146	159	75
80	248	86½	11	208	6955	6450	5520	15	10	23.9	370	335	265	456	12670	3.1	134	158	80

YIELD CLASS 140

20	1440	25	3¼	98	630	—	—	—	—	—	—	—	—	98	630	7.8	128	31	20
25	1360	32½	3⅜	130	1380	20	—	80	3½	.25	20	—	—	137	1400	7.7	175	56	25
30	1065	39½	4⅛	134	1845	80	—	295	4	1.66	490	15	—	175	2355	7.4	202	79	30
35	853	46	4¾	140	2400	290	10	212	4½	2.30	490	35	—	210	3400	6.9	212	97	35
40	697	51½	5½	147	2970	720	80	156	5	3.14	490	65	—	243	4460	6.3	210	112	40
45	585	57	6¼	154	3515	1440	300	112	5½	4.35	490	110	10	273	5495	5.7	202	122	45
50	502	61½	6¾	162	4010	2230	720	83	6	5.87	490	165	30	300	6480	5.2	191	130	50
55	440	65½	7½	169	4445	3010	1280	62	6½	7.84	490	230	60	325	7405	4.7	178	135	55
60	393	69½	8	175	4835	3670	1930	47	7	9.89	470	280	95	348	8265	4.3	166	138	60
65	357	72½	8½	181	5240	4280	2620	36	7½	10.7	390	275	120	368	9060	3.9	154	139	65
70	328	75½	9	187	5630	4800	3280	29	8	12.3	350	270	140	387	9800	3.5	142	140	70
75	305	78½	9½	193	5980	5250	3880	23	8½	14.7	330	270	160	404	10480	3.2	131	140	75
80	287	81	10	198	6290	5630	4370	18	9	17.8	320	270	175	419	11110	2.9	120	139	80

Table 64 (contd)

Grand Fir*

NORMAL YIELD TABLE: YIELD CLASS **340**

Age	MAIN CROP After Thinning							Yield From THINNINGS						TOTAL Production		INCREMENT			Age
	Number of Trees	Top Height	Mean BHQG	Basal Area	Volume (h. ft.) to top diameter o.b. of			Number of Trees	Mean BHQG	Av. Vol. per Tree	Volume (h. ft.) to top diameter o.b. of			Basal Area	Volume to 3 inches	C.A.I.		M.A.I.	
					3 inches	7 inches	9 inches				3 inches	7 inches	9 inches			Basal area	Volume to 3 inches	Volume to 3 inches	
		feet	ins.	sq. ft. q. g.					ins.	h. ft.				sq. ft. q. g.	h. ft.				
15	800	34½	3¾	77	1110	10	—	300	3¾	0.60	180	—	—	106	1290	—	—	86	15
20	460	50	5¼	87	1740	320	30	340	4¾	3.49	1190	130		170	3110	11.8	447	155	20
25	295	66½	7	100	3010	1820	620	165	6¾	7.19	1190	440	85	225	5570	10.4	514	223	25
30	213	82	8¾	115	4435	3710	2410	82	7½	14.6	1190	845	395	274	8185	9.2	520	273	30
35	169	95½	10½	131	5775	5290	4390	44	9	27.3	1190	1040	765	318	10715	8.2	484	306	35
40	142	106½	12¼	147	6905	6600	5970	27	11	43.3	1190	1105	950	357	13035	7.3	442	326	40
45	125	116½	13¾	163	8060	7790	7320	17	12½	56.1	935	900	840	391	15125	6.4	396	336	45
50	113	124½	15	177	9130	8880	8430	12	14	69.3	795	770	730	421	16990	5.6	352	340	50
55	105	131	16	189	10075	9860	9400	8	15½	88.3	705	685	655	447	18640	4.8	309	339	55
60	99	136½	17	200	10890	10700	10260	6	16½	103.8	625	615	590	469	20080	4.1	268	335	60
65	94	141	18	208	11570	11380	10960	5	17½	119.3	560	550	530	487	21320	3.4	228	328	65
70	90	145	18½	215	12110	11910	11520	4	18½	134.5	500	490	475	502	22360	2.7	189	320	70
75	87	148	19	219	12515	12310	11950	3	19	148.0	450	440	425	515	23215	2.1	152	309	75
80	84	150	19½	221	12785	12610	12270	3	19½	158.8	400	395	385	524	23885	1.5	116	298	80

*Note: 40-hoppus foot intervals are used in the Grand Fir series of Normal Yield Tables.

YIELD CLASS **300**

15	924	31½	3½	76	965	—	—	176	3½	0.11	20	—	—	91	985	—	—	66	15
20	537	45½	4¾	86	1495	180	—	387	4½	2.71	1050	75	—	154	2565	11.4	382	128	20
25	341	61	6¼	97	2600	1190	290	196	5½	5.34	1050	270	30	207	4720	9.9	458	189	25
30	244	75½	8	110	3890	2960	1590	97	7	10.8	1050	615	215	253	7060	8.7	467	235	30
35	191	88½	9¾	124	5125	4540	3430	53	8½	20.0	1050	870	530	294	9345	7.6	439	267	35
40	160	99	11¼	138	6175	5770	4980	31	10	33.3	1050	940	735	330	11445	6.7	398	286	40
45	140	108	12½	151	7215	6890	6290	20	11¼	43.4	845	795	695	361	13330	5.9	357	296	45
50	127	115½	13¾	164	8175	7890	7400	13	12½	55.1	720	690	630	388	15010	5.1	315	300	50
55	117	122	14¾	175	9025	8760	8310	10	13¾	66.1	630	610	570	412	16490	4.4	275	300	55
60	110	127½	15½	185	9745	9490	9060	7	14¾	78.9	555	545	510	433	17765	3.7	237	296	60
65	105	132	16¼	193	10345	10110	9670	5	15½	90.4	490	480	455	450	18855	3.1	200	290	65
70	101	135½	16¾	199	10825	10610	10170	4	16¼	100.3	435	425	405	463	19770	2.5	165	282	70
75	97	138	17¼	203	11180	10970	10540	4	16¾	108.7	385	380	360	474	20510	1.9	131	273	75
80	94	140	17¾	205	11415	11220	10810	3	17¼	115.3	335	330	320	482	21080	1.3	98	264	80

YIELD CLASS **260**

15	1100	28½	3½	77	700	—	—	—	—	—	—	--	—	77	700	—	—	47	15
20	640	42	4½	86	1320	90	—	460	4¼	1.77	770	30	—	139	2090	11.2	322	104	20
25	412	56	5¾	96	2230	720	110	228	5	3.99	910	150	10	190	3910	9.3	397	157	25
30	292	69	7½	106	3370	2260	720	120	6½	7.61	910	385	85	233	5960	8.0	410	199	30
35	226	81	8½	117	4460	3650	2250	66	7½	13.9	910	650	280	270	7960	7.0	385	227	35
40	187	91	10	129	5395	4850	3770	39	8¾	23.0	910	760	495	303	9805	6.1	352	245	40
45	162	99	11¼	141	6315	5880	5090	25	10	30.8	755	680	535	331	11480	5.3	318	255	45
50	146	106½	12¼	152	7170	6810	6190	16	11	40.0	645	600	520	356	12980	4.6	383	260	50
55	134	112½	13¼	162	7930	7630	7100	12	12	48.5	560	530	475	378	14300	4.0	246	260	55
60	126	117½	14	170	8585	8320	7830	8	13	58.1	485	470	430	396	15440	3.4	210	257	60
65	120	121½	14¾	177	9120	8870	8390	6	13¾	66.0	430	415	390	411	16405	2.8	176	252	65
70	115	125	15¼	182	9545	9290	8830	5	14¼	73.5	375	365	345	424	17205	2.3	144	246	70
75	111	127½	15½	186	9860	9600	9140	4	14¾	79.6	325	320	300	434	17845	1.7	112	238	75
80	108	129½	15¾	188	10065	9820	9360	3	15	84.7	280	275	260	441	18330	1.2	82	229	80

Grand Fir (Continued)

NORMAL YIELD TABLE: YIELD CLASS 220

Age	MAIN CROP After Thinning							Yield From THINNINGS						TOTAL Production		INCREMENT			Age
	Number of Trees	Top Height	Mean BHQG	Basal Area	Volume (h. ft.) to top diameter o.b. of			Number of Trees	Mean BHQG	Av. Vol. per Tree	Volume (h. ft.) to top diameter o.b. of			Basal Area	Volume to 3 inches	C.A.I.		M.A.I.	
					3 inches	7 inches	9 inches				3 inches	7 inches	9 inches			Basal area	Volume to 3 inches	Volume to 3 inches	
		feet	ins.	sq. ft. q. g.					ins.	h. ft.				sq. ft. q. g.	h. ft.				
15	1100	25	2¾	59	420	—	—	—	—	—	—	—	—	59	420	—	—	28	15
20	763	37½	4	86	1115	30	—	337	3¾	1.39	470	10	—	120	1585	11.0	268	79	20
25	504	50	5¼	95	1875	350	30	259	4¾	2.97	770	75	—	170	3115	9.0	333	125	25
30	357	62	6½	104	2835	1360	340	147	5½	5.26	770	210	25	210	4845	7.4	349	161	30
35	274	73	7¾	113	3785	2700	1270	83	6¾	9.33	770	405	125	245	6565	6.3	334	187	35
40	224	82	8¾	121	4620	3850	2480	50	7¾	15.3	770	560	265	274	8170	5.5	306	204	40
45	193	90	9¾	130	5405	4830	3720	31	8¾	21.6	670	555	355	299	9625	4.7	276	214	45
50	172	96½	10¾	139	6140	5670	4800	21	9¾	27.5	565	500	380	321	10925	4.1	245	218	50
55	157	102	11¾	147	6805	6410	5660	15	10¾	33.6	485	450	370	340	12075	3.5	214	220	55
60	146	107	12½	154	7375	7030	6380	11	11¾	40.5	425	400	340	357	13070	3.0	184	218	60
65	138	111	13	160	7850	7530	6970	8	11¾	47.2	370	350	310	371	13915	2.5	154	214	65
70	132	114	13¼	165	8225	7910	7410	6	12¼	52.3	320	305	275	382	14610	2.0	125	209	70
75	127	116½	13¾	168	8505	8200	7710	5	12¾	56.3	275	265	240	391	15165	1.6	97	202	75
80	123	118	14	170	8690	8400	7930	4	13	59.5	230	225	205	397	15580	1.2	70	195	80

YIELD CLASS **180**

15	1100	21¼	2½	38	150	—	—	—	—	—	—	—	—	38	150	—	—	10	15
20	953	32¾	3½	85	905	—	—	147	3½	1.22	180	—	—	98	1085	10.8	215	54	20
25	635	43½	4¾	94	1500	120	—	318	4¼	1.98	630	30	—	146	2310	8.6	267	93	25
30	455	54½	5¾	101	2275	660	100	180	5	3.51	630	90	5	185	3715	6.9	287	124	30
35	349	64	6¾	107	3075	1610	470	106	5¾	5.97	630	200	30	216	5145	5.8	281	147	35
40	283	72½	7¾	114	3810	2690	1230	66	6¾	9.50	630	325	90	243	6510	5.0	264	163	40
45	241	79½	8½	121	4495	3650	2200	42	7½	13.6	580	390	165	267	7775	4.3	240	173	45
50	213	86	9¼	128	5130	4450	3150	28	8½	18.0	495	390	215	287	8905	3.7	212	178	50
55	193	91	10	135	5695	5110	4000	20	9	21.5	420	355	235	304	9890	3.2	184	180	55
60	179	95½	10½	141	6190	5680	4750	14	9½	26.8	360	320	235	318	10745	2.6	158	179	60
65	169	99	11	146	6600	6160	5330	10	10	31.6	315	280	220	330	11470	2.2	132	176	65
70	161	102	11¼	150	6935	6530	5760	8	10½	35.2	265	240	200	340	12070	1.8	107	172	70
75	155	104½	11¾	153	7185	6790	6090	6	10¾	38.1	225	205	175	348	12545	1.4	83	167	75
80	150	106	12	155	7355	7000	6330	5	11	40.3	185	175	150	354	12900	1.0	60	161	80

Table 65 (contd)

Noble Fir

NORMAL YIELD TABLE: YIELD CLASS **240**

Age	MAIN CROP After Thinning							Yield From THINNINGS						TOTAL Production		INCREMENT			Age
	Number of Trees	Top Height	Mean BHQG	Basal Area	Volume (h. ft.) to top diameter o.b. of			Number of Trees	Mean BHQG	Av. Vol. per Tree	Volume (h. ft.) to top diameter o.b. of			Basal Area	Volume to 3 inches	C.A.I.		M.A.I.	
					3 inches	7 inches	9 inches				3 inches	7 inches	9 inches			Basal area	Volume to 3 inches	Volume to 3 inches	
		feet	ins.	sq. ft. q. g.					ins.	h. ft.				sq. ft. q. g.	h. ft.				
15	1250	25½	3	82	580	—	—							82	580	11.7	239	39	15
20	1030	37	4	115	1585	40	—	220	4	1.73	380	10	—	139	1965	11.0	315	99	20
25	712	47½	5	123	2415	330	10	318	4½	2.64	840	60	—	191	3635	9.9	340	145	25
30	520	56½	6	132	3290	1220	230	192	5½	4.39	840	170	15	237	5350	8.5	342	178	30
35	403	64½	7	140	4145	2530	900	117	6½	7.20	840	360	75	277	7045	7.4	332	201	35
40	326	71½	8	147	4925	3770	2020	77	7½	11.0	840	530	205	312	8665	6.5	316	217	40
45	273	77½	9	153	5625	4750	3200	53	8	16.0	840	655	355	342	10205	5.8	301	227	45
50	235	83	10	160	6250	5580	4300	38	9	21.8	840	715	480	370	11670	5.3	286	233	50
55	207	88	10¾	166	6830	6300	5290	28	10	28.4	810	715	550	396	13060	4.9	271	238	55
60	186	93	11½	173	7425	6980	6160	21	10¾	33.5	720	670	570	420	14375	4.5	256	240	60
65	169	97	12¼	179	7985	7610	6940	17	11½	41.2	680	635	565	442	15615	4.2	241	240	65
70	156	101	13	185	8505	8170	7580	13	12¼	49.5	650	620	565	462	16785	3.9	227	240	70
75	145	104½	13¾	191	8975	8660	8140	11	13	57.3	630	605	565	481	17885	3.6	213	239	75
80	136	107½	14½	196	9385	9100	8620	9	13¾	65.3	620	600	565	498	18915	3.3	199	236	80

YIELD CLASS 220

15	1250	24	3	75	440	—	—	—	—	—	—	—	—	75	440	10.9	204	29	15
20	1126	34½	3¾	115	1495	15	—	124	3¾	1.61	200	5	—	128	1695	10.3	279	85	20
25	798	44½	4½	122	2205	210	—	328	4¼	2.35	770	35	—	178	3175	9.4	307	127	25
30	588	53¾	5¼	130	2995	790	100	210	5	3.64	770	105	5	222	4735	8.2	313	158	30
35	456	61	6¼	138	3785	1920	550	132	5¾	5.83	770	240	35	260	6295	7.1	308	180	35
40	369	68	7½	145	4525	3140	1350	87	6½	8.90	770	400	110	293	7805	6.3	294	195	40
45	309	74	8½	151	5190	4180	2410	60	7¼	12.8	770	530	230	323	9240	5.6	280	205	45
50	266	79	9¼	157	5785	4990	3470	43	8¼	17.7	770	615	355	350	10605	5.1	266	212	50
55	233	84	10	163	6330	5700	4460	33	9¼	22.4	750	635	440	375	11900	4.7	251	216	55
60	208	88½	10¾	168	6890	6360	5370	25	10	26.9	660	595	470	398	13120	4.3	237	219	60
65	189	92½	11½	174	7425	6960	6150	19	10¾	33.3	615	570	480	419	14270	4.0	223	220	65
70	174	96½	12¼	179	7915	7520	6810	15	11½	39.7	590	555	485	438	15350	3.7	209	219	70
75	162	100	12¾	184	8350	8000	7380	12	12¼	46.5	575	545	490	456	16360	3.4	195	218	75
80	152	103	13¼	189	8730	8410	7840	10	12¾	53.2	565	540	495	472	17305	3.1	182	216	80

YIELD CLASS 200

15	1250	22½	2¾	68	305	—	—	—	—	—	—	—	—	68	305	10.1	170	20	15
20	1250	32½	3¾	117	1395	—	—	—	—	—	—	—	—	117	1395	9.7	246	70	20
25	900	42	4½	122	2035	120	—	350	4¼	2.00	700	20	—	164	2735	8.9	277	109	25
30	670	50¼	5¼	129	2745	550	50	230	4¾	3.05	700	70	—	206	4145	7.9	284	138	30
35	520	58	6	136	3465	1380	280	150	5½	4.68	700	150	15	243	5565	6.9	283	159	35
40	420	64½	7	142	4165	2500	860	100	6	7.03	700	275	55	275	6965	6.1	275	174	40
45	350	70	7¾	148	4805	3520	1730	70	7	10.1	700	405	135	304	8305	5.4	261	185	45
50	300	75	8¼	153	5375	4400	2690	50	7¾	14.0	700	505	240	330	9575	4.9	248	192	50
55	263	80	9¼	158	5880	5100	3630	37	8½	18.7	700	545	320	353	10780	4.5	234	196	55
60	234	84	10	164	6420	5770	4530	29	9¼	21.1	600	525	365	375	11920	4.1	221	199	60
65	212	88	10¾	169	6930	6390	5350	22	10	26.0	560	500	385	395	12990	3.8	208	200	65
70	195	91½	11½	174	7400	6940	6060	17	10¾	32.0	535	490	405	413	13995	3.5	194	200	70
75	181	95	12	178	7820	7410	6640	14	11¼	37.1	520	485	420	430	14935	3.2	182	199	75
80	169	98	12½	182	8185	7810	7150	12	11¾	42.5	510	480	430	446	15810	2.9	169	198	80

Noble Fir (Continued)

YIELD CLASS 180

Age	MAIN CROP After Thinning							Yield From THINNINGS						TOTAL Production		INCREMENT			Age
	Number of Trees	Top Height	Mean BHQG	Basal Area	Volume (h. ft.) to top diameter o.b. of			Number of Trees	Mean BHQG	Av. Vol. per Tree	Volume (h. ft.) to top diameter o.b. of			Basal Area	Volume to 3 inches	C.A.I.		M.A.I.	
					3 inches	7 inches	9 inches				3 inches	7 inches	9 inches			Basal area	Volume to 3 inches	Volume to 3 inches	
		feet	ins.	sq. ft. q. g.					ins.	h. ft.				sq. ft. q. g.	h. ft.				
20	1250	30½	3½	105	1080	—	—	—	—	—	—	—	—	105	1080	9.0	215	54	20
25	1000	39	4¼	121	1840	70	—	250	4	1.84	460	10	—	149	2300	8.4	248	92	25
30	758	47	5	128	2475	340	10	242	4½	2.60	630	40	—	189	3565	7.6	255	119	30
35	593	54	5¾	134	3125	880	125	165	5	3.82	630	90	5	224	4845	6.6	255	138	35
40	480	60½	6½	140	3760	1830	470	113	5¾	5.58	630	180	25	256	6110	5.9	250	153	40
45	400	66	7¼	145	4360	2820	1090	80	6¼	7.88	630	285	65	283	7340	5.2	240	163	45
50	343	71	8	150	4900	3660	1890	57	7¼	11.0	630	385	135	308	8510	4.7	228	170	50
55	300	75½	8¾	155	5375	4390	2760	43	7¾	14.5	630	455	215	331	9615	4.3	215	175	55
60	267	79¼	9¼	160	5860	5060	3570	33	8½	17.2	560	450	260	351	10660	3.9	203	178	60
65	242	83	10	164	6335	5660	4350	25	9	20.7	505	430	290	370	11640	3.6	190	179	65
70	222	86½	10½	168	6775	6180	5070	20	9¾	24.7	480	425	315	387	12560	3.3	178	180	70
75	206	89¾	11	172	7165	6640	5690	16	10¼	29.0	470	425	340	403	13420	3.0	166	179	75
80	193	92½	11¼	176	7505	7040	6200	13	10¾	34.1	460	425	350	417	14220	2.8	154	178	80

YIELD CLASS 160

20	1250	28	3¼	94	820	—	—	—	—	—	—	—	—	94	820	8.3	190	41	20
25	1111	36	4	120	1665	30	—	139	4	1.52	210	5	—	134	1875	7.9	219	75	25
30	861	43½	4½	126	2225	180	—	250	4¼	2.24	560	25	—	172	2995	7.1	228	100	30
35	681	50½	5¼	132	2815	560	50	180	4¾	3.11	560	55	—	206	4145	6.4	231	118	35
40	555	56½	6	138	3410	1240	220	126	5¼	4.44	560	105	10	236	5300	5.7	228	133	40
45	465	61½	6¾	143	3970	2100	610	90	5⅝	6.22	560	180	30	263	6420	5.0	220	143	45
50	398	66½	7½	147	4480	2940	1180	67	6⅓	8.36	560	260	65	287	7490	4.5	208	150	50
55	349	70½	8	151	4930	3690	1890	49	7½	11.3	560	340	120	308	8500	4.1	196	155	55
60	311	74½	8½	155	5365	4350	2640	38	7¾	13.6	520	365	170	327	9455	3.7	185	158	60
65	281	78	9	159	5800	4950	3370	30	8⅛	15.6	460	365	200	345	10350	3.4	174	159	65
70	257	81½	9½	163	6210	5460	4040	24	8⅜	18.4	430	360	225	361	11190	3.1	163	160	70
75	238	84½	10	167	6575	5920	4650	19	9⅛	22.6	420	360	250	376	11975	2.8	152	160	75
80	222	87	10½	170	6895	6310	5180	16	9¾	25.7	410	360	270	390	12705	2.6	141	159	80

YIELD CLASS 140

20	1250	25½	3	82	580	—	—	—	—	—	—	—	—	82	580	7.6	140	29	20
25	1250	33	3¾	119	1455	—	—	—	—	—	—	—	—	119	1455	7.3	196	58	25
30	985	40	4¼	124	1975	80	—	265	4	1.81	480	10	—	154	2455	6.8	204	82	30
35	784	46½	4¾	130	2510	300	10	201	4¼	2.44	490	25	—	187	3480	6.1	205	99	35
40	642	52½	5½	135	3040	750	80	142	4¾	3.45	490	55	—	215	4500	5.4	202	112	40
45	539	57½	6¼	140	3550	1400	280	103	5¼	4.76	490	100	10	241	5500	4.8	197	122	45
50	463	62	6⅝	144	4025	2130	620	76	5⅝	6.40	490	160	25	264	6465	4.3	189	129	50
55	405	66	7¼	148	4455	2870	1120	58	6¼	8.38	490	220	50	284	7385	3.9	178	134	55
60	361	69½	7¾	152	4830	3520	1690	44	6¾	10.2	490	265	85	303	8250	3.5	167	137	60
65	326	73	8¼	155	5240	4120	2340	35	7¼	11.6	400	280	120	319	9060	3.2	157	139	65
70	299	76	8¾	158	5615	4640	2980	27	7¾	14.3	380	290	145	334	9815	2.9	146	140	70
75	277	79	9¼	161	5950	5100	3560	22	8¼	17.0	370	295	165	348	10520	2.7	135	140	75
80	258	81½	9½	164	6240	5480	4050	19	8¾	19.6	360	295	190	361	11170	2.5	125	139	80

Oak

NORMAL YIELD TABLE: YIELD CLASS 80

Age	MAIN CROP After Thinning							Yield From THINNINGS						TOTAL Production		INCREMENT			Age
	Number of Trees	Top Height	Mean BHQG	Basal Area	Volume (h. ft.) to top diameter o.b. of			Number of Trees	Mean BHQG	Av. Vol. per Tree	Volume (h. ft.) to top diameter o.b. of			Basal Area	Volume to 3 inches	C.A.I.		M.A.I.	
					3 inches	7 inches	9 inches				3 inches	7 inches	9 inches			Basal area	Volume to 3 inches	Volume to 3 inches	
		feet	ins.	sq. ft. q. g.					ins.	h. ft.				sq. ft. q. g.	h. ft.				
20	2500	31	2	77	670	—	—	—	—	—	—	—	—	77	670	4.7	62	33	20
25	1230	38	2¾	65	780	—	—	1270	2	0.20	260	—	—	101	1040	4.5	83	42	25
30	680	44½	3½	62	960	—	—	550	2¾	0.51	280	—	—	123	1500	4.0	99	50	30
35	443	50½	4¼	63	1210	85	—	237	3¾	1.18	280	10	—	142	2030	3.6	111	58	35
40	321	56	5¼	66	1500	345	35	122	4	2.30	280	35	—	159	2600	3.2	114	65	40
45	250	61	6¼	69	1790	790	180	71	4¾	3.94	280	70	10	174	3170	2.9	112	70	45
50	202	65½	7¼	73	2060	1305	495	48	5¾	5.83	280	120	25	188	3720	2.6	107	74	50
55	167	69½	8	76	2295	1755	940	35	6¼	8.10	280	175	65	200	4235	2.4	100	77	55
60	142	73	8¾	78	2500	2095	1380	25	7	11.0	280	205	100	211	4720	2.2	93	78	60
65	122	76	9¾	80	2675	2365	1780	20	7¾	14.0	280	225	135	222	5175	2.0	88	79	65
70	106	79	10½	81	2820	2580	2120	16	8¾	17.5	280	240	170	231	5600	1.8	82	80	70
75	93	82	11¼	82	2940	2750	2395	13	9¼	21.5	280	250	195	240	6000	1.7	77	80	75
80	82	84½	12	83	3035	2875	2595	11	10	25.7	280	255	210	248	6375	1.6	73	80	80
85	72	86½	12¾	83	3110	2970	2740	10	10¾	29.5	280	260	225	255	6730	1.5	69	79	85
90	64	88½	13½	82	3165	3050	2860	8	11½	35.4	280	265	235	262	7065	1.4	64	79	90
95	57	90	14¼	82	3210	3110	2950	7	12¼	40.7	270	255	235	269	7380	1.3	60	78	95
100	52	91½	15	81	3245	3160	3020	5	13	46.2	260	250	235	275	7675	1.2	57	77	100
110	44	94	16¼	80	3290	3240	3120	8	14½	58.1	490	480	455	286	8210	1.0	50	75	110
120	38	96	17¼	79	3315	3290	3180	6	15¾	70.5	450	440	425	295	8685	0.9	44	72	120
130	33	98	18¼	78	3325	3300	3210	5	17	83.2	410	405	395	303	9105	0.8	39	70	130
140	29	99½	19¼	76	3325	3300	3230	4	18¼	96.0	370	365	355	310	9475	0.7	35	68	140
150	26	100½	20¼	75	3325	3300	3240	3	19½	109.0	330	325	320	316	9805	0.6	31	65	150

YIELD CLASS 60

20	2300	25½	2	60	350	—	—	—	—	—	—	—	—	59	350	3.6	44	18	20
25	1590	31½	2½	68	620	—	—	710	1¼	0.04	30	—		77	650	3.6	64	26	25
30	940	37½	3¼	64	760	—	—	650	2¼	0.32	210	—		95	1000	3.5	73	33	30
35	600	42½	4	63	940	20	—	340	2½	0.62	210	—	—	112	1390	3.2	80	40	35
40	425	47½	4¾	63	1140	95	—	175	3½	1.20	210	—	—	127	1800	2.9	83	45	40
45	320	51½	5½	65	1350	310	30	105	4	2.00	210	5	—	141	2220	2.7	84	49	45
50	253	55½	6¼	68	1555	640	130	67	4½	3.13	210	20	—	154	2635	2.4	82	53	50
55	207	59	7	70	1750	1045	360	46	5½	4.55	210	45	5	165	3040	2.2	79	55	55
60	172	62	7¾	72	1930	1400	675	35	6	6.10	210	75	10	176	3430	2.0	76	57	60
65	147	65	8½	74	2090	1695	1025	25	6½	8.40	210	110	30	186	3800	1.9	72	58	65
70	127	67½	9¼	76	2230	1920	1360	20	7¼	10.6	210	140	55	195	4150	1.7	68	59	70
75	111	70	10	77	2355	2110	1635	16	8	13.1	210	155	80	203	4485	1.6	65	60	75
80	98	72	10¾	77	2460	2260	1880	13	8½	16.0	210	170	105	211	4800	1.5	61	60	80
85	87	73½	11¼	78	2550	2385	2105	11	9¼	19.1	210	180	125	218	5100	1.4	57	60	85
90	78	75	12	78	2620	2480	2260	9	9¾	22.5	210	190	145	224	5380	1.3	54	60	90
95	70	76½	12¾	78	2675	2560	2380	8	10½	26.1	210	195	175	230	5645	1.2	50	59	95
100	63	77½	13¼	78	2710	2620	2460	7	11	30.0	210	195	170	235	5890	1.1	47	59	100
110	53	79½	14¼	77	2765	2700	2570	10	12¼	38.0	390	370	340	245	6335	0.9	41	58	110
120	46	81	15¼	76	2800	2750	2640	7	13½	47.0	350	340	320	254	6720	0.8	35	56	120
130	40	82	16¼	75	2815	2775	2685	6	14½	56.6	310	305	290	261	7045	0.7	30	54	130
140	36	83	17	74	2815	2780	2705	4	15½	66.0	270	265	255	267	7315	0.6	25	52	140
150	33	83½	17¾	73	2815	2785	2715	3	16¼	75.6	230	225	220	272	7545	0.5	21	50	150

YIELD CLASS 40

25	1610	24	2	50	240	—	—	—	—	—	—	—	—	50	240	3.0	41	10	25
30	1510	29	2½	65	470	—	—	100	—	—	—	—	—	65	470	3.0	48	16	30
35	1075	33½	3	67	660	—	—	435	2	0.14	60	—	—	81	720	2.9	52	21	35
40	725	37½	3½	66	790	—	—	350	2½	0.40	140	—	—	95	990	2.7	55	25	40
45	532	41	4¼	67	930	40	—	193	3	0.73	140	—	—	108	1270	2.5	56	28	45
50	412	44½	5	68	1075	130	5	120	3½	1.17	140	—	—	120	1555	2.3	57	31	50
55	329	47½	5½	69	1220	295	30	83	4	1.69	140	5	—	131	1840	2.1	56	33	55
60	270	50	6¼	70	1360	535	105	59	4½	2.37	140	10	—	141	2120	1.9	55	35	60
65	227	52½	6¾	71	1495	815	245	43	5	3.26	140	25	—	150	2395	1.8	54	37	65
70	194	54½	7½	72	1620	1065	425	33	5½	4.24	140	40	5	158	2660	1.6	52	38	70
75	169	56½	8	73	1735	1300	670	25	6	5.60	140	55	10	166	2915	1.5	49	39	75
80	149	58	8½	74	1835	1490	900	20	6½	7.00	140	75	20	173	3155	1.4	47	39	80
85	133	59½	9	75	1925	1630	1100	16	7	8.45	140	85	30	180	3385	1.3	44	40	85
90	119	60½	9½	76	2000	1760	1300	14	7½	10.0	140	95	45	186	3600	1.2	41	40	90
95	107	61½	10	76	2060	1860	1490	12	8	11.7	140	105	55	191	3800	1.1	38	40	95
100	97	62	10½	76	2105	1935	1640	10	8½	13.6	140	115	70	196	3985	1.0	35	40	100
110	81	63	11½	75	2150	2020	1810	16	9½	17.3	280	245	180	205	4310	0.8	30	39	110
120	69	64	12½	74	2170	2075	1915	12	10¼	21.0	250	225	180	213	4580	0.7	25	38	120
130	61	64½	13¼	73	2180	2105	1980	8	11	24.8	210	195	170	219	4800	0.6	20	37	130
140	55	65	13¾	73	2180	2115	2005	6	11¾	28.3	170	160	145	224	4970	0.5	15	36	140
150	51	65	14¼	72	2180	2125	2020	4	12¼	32.1	130	125	110	229	5100	0.4	11	34	150

Beech

NORMAL YIELD TABLE: YIELD CLASS **100**

Age	MAIN CROP After Thinning							Yield From THINNINGS						TOTAL Production		INCREMENT			Age
	Number of Trees	Top Height	Mean BHQG	Basal Area	Volume (h. ft.) to top diameter o.b. of			Number of Trees	Mean BHQG	Av. Vol. per Tree	Volume (h. ft.) to top diameter o.b. of			Basal Area	Volume to 3 inches	C.A.I.		M.A.I.	
					3 inches	7 inches	9 inches				3 inches	7 inches	9 inches			Basal area	Volume to 3 inches	Volume to 3 inches	
		feet	ins.	sq. ft. q. g.					ins.	h. ft.				sq. ft. q. g.	h. ft.				
20	1880	35	2¼	67	480	—	—	--	—	—	--	—	—	67	480	4.4	99	24	20
25	1580	43	2¾	81	930	—	—	300	2	0.33	100	—	--	89	1030	4.3	114	41	25
30	950	51	3½	79	1185	--	—	630	2¼	0.56	350	—	--	110	1635	4.2	125	55	30
35	620	58½	4¼	80	1475	45	—	330	2¾	1.06	350	—	—	131	2275	4.0	131	65	35
40	425	64½	5¼	83	1790	360	30	195	3½	1.79	350	—	-	150	2940	3.8	135	74	40
45	311	69½	6¼	87	2120	965	230	114	4¼	3.07	350	15	--	169	3620	3.6	137	80	45
50	243	74	7¼	92	2455	1635	675	68	5¼	5.11	350	65	5	186	4305	3.4	137	86	50
55	198	78	8¼	96	2785	2225	1270	45	6¼	7.78	350	150	30	202	4985	3.2	135	91	55
60	167	82	9¼	100	3100	2700	1915	31	7¼	11.3	350	220	85	218	5650	3.0	130	94	60
65	143	85½	10¼	104	3385	3075	2465	24	8¼	14.9	350	270	150	233	6285	2.9	124	97	65
70	125	88½	11¼	108	3635	3395	2950	18	9	19.4	350	300	205	247	6885	2.7	117	98	70
75	110	91½	12¼	111	3850	3665	3330	15	10	23.6	350	315	245	260	7450	2.5	110	99	75
80	98	94	13	113	4035	3885	3620	12	10¾	28.3	350	325	280	272	7985	2.4	104	100	80
85	88	96	13¾	116	4205	4085	3870	10	11½	33.2	335	315	280	284	8490	2.3	98	100	85
90	80	98	14½	118	4365	4265	4075	8	12¼	38.2	320	305	290	295	8970	2.1	93	100	90
95	73	100	15¼	120	4510	4430	4255	7	13	43.7	310	295	275	305	9425	2.0	88	99	95
100	67	101½	16	122	4645	4575	4420	6	13¾	49.3	295	285	270	315	9855	1.9	83	99	100
110	58	104½	17¾	126	4880	4825	4705	9	15¼	62.6	560	550	525	333	10650	1.7	74	97	110
120	51	106½	19¼	129	5050	4990	4890	7	16¾	74.8	530	520	500	350	11350	1.6	66	95	120
130	45	108½	20½	131	5170	5115	5020	6	18	88.1	500	495	480	365	11970	1.4	59	92	130
140	40	110	21¾	133	5240	5185	5090	5	19¼	102.0	485	480	465	379	12525	1.3	53	90	140
150	36	111	23	134	5265	5210	5120	4	20¼	117.0	470	465	455	391	13020	1.3	47	87	150

YIELD CLASS 80

20	2000	29	2	54	240	—	—	—	—	—	—	—	—	54	240	4.0	67	12	20
25	1880	36½	2¼	74	675	—	—	120	—	—	—	—	—	74	675	4.0	83	27	25
30	1250	43	2¾	71	860	—	—	630	2¼	0.44	280	—	—	94	1140	3.9	94	38	30
35	840	49	3½	72	1075	—	—	410	2½	0.68	280	—	—	114	1635	3.7	102	47	35
40	590	54½	4¼	74	1315	60	—	250	3	1.12	280	—	—	132	2155	3.5	107	54	40
45	425	59	5	78	1575	260	15	165	3½	1.70	280	—	—	149	2695	3.3	110	60	45
50	323	63	6	82	1850	675	120	102	4¼	2.76	280	10	—	165	3250	3.1	112	65	50
55	256	67	7	86	2130	1245	415	67	5	4.21	280	35	—	181	3810	2.9	111	69	55
60	211	70½	7¾	90	2400	1760	865	45	5¾	6.26	280	90	15	195	4360	2.8	108	73	60
65	179	73½	8¾	94	2650	2185	1385	32	6¾	8.65	280	145	40	209	4890	2.7	104	75	65
70	155	76½	9½	97	2880	2525	1860	24	7½	11.5	280	190	80	222	5400	2.5	100	77	70
75	136	79	10¼	100	3085	2800	2265	19	8¼	14.5	280	220	125	234	5885	2.4	95	78	75
80	120	81½	11¼	103	3265	3050	2650	16	9	18.0	280	240	165	246	6345	2.2	90	79	80
85	107	83½	12	106	3425	3245	2955	13	9¾	21.6	280	250	190	257	6785	2.1	85	80	85
90	97	85½	12¾	108	3570	3425	3185	10	10½	25.6	270	245	205	268	7200	2.0	81	80	90
95	88	87½	13½	110	3710	3590	3395	9	11¼	29.5	255	240	210	278	7595	1.9	77	80	95
100	81	89	14¼	112	3840	3740	3545	7	12	33.5	245	235	215	287	7970	1.8	72	80	100
110	70	92	15½	116	4055	3985	3835	11	13½	41.8	470	455	425	304	8655	1.6	64	79	110
120	61	93½	16¾	119	4215	4165	4040	9	14¼	50.3	440	430	405	320	9255	1.5	56	77	120
130	54	95	18	122	4325	4280	4175	7	15½	59.3	415	410	390	334	9780	1.4	50	75	130
140	48	96	19½	124	4395	4355	4260	6	16¾	68.3	395	390	375	347	10245	1.3	44	73	140
150	43	96½	20½	126	4420	4375	4290	5	18	77.6	380	375	365	360	10650	1.2	38	71	150

YIELD CLASS 60

25	1910	28½	2	54	310	—	—	—	—	—	—	—	—	54	310	3.6	56	12	25
30	1670	34	2¼	66	570	—	—	240	2	0.25	60	—	—	73	630	3.5	66	21	30
35	1150	39	2¾	65	710	—	—	520	2¼	0.40	210	—	—	91	980	3.5	73	28	35
40	810	43½	3¼	66	880	—	—	340	2½	0.62	210	—	—	108	1360	3.3	78	34	40
45	595	48	4	69	1070	35	—	215	3	0.98	210	—	—	124	1760	3.1	82	39	45
50	455	52	4¾	72	1275	130	—	140	3½	1.50	210	—	—	139	2175	2.9	84	44	50
55	360	55½	5½	76	1490	360	40	95	4	2.21	210	5	—	154	2600	2.7	86	47	55
60	294	58½	6¼	80	1710	730	155	66	4½	3.18	210	20	—	167	3030	2.6	86	50	60
65	246	61	7	84	1925	1150	400	48	5¼	4.38	210	40	5	180	3455	2.5	84	53	65
70	210	63½	7¾	87	2130	1545	745	36	6	5.83	210	70	10	192	3870	2.3	82	55	70
75	183	66	8½	90	2320	1870	1135	27	6¾	7.65	210	105	25	204	4270	2.2	79	57	75
80	161	68½	9¼	93	2495	2130	1470	22	7¼	9.41	210	135	50	215	4655	2.1	75	58	80
85	143	70½	10	96	2650	2360	1805	18	7¾	11.5	210	155	75	225	5020	2.0	71	59	85
90	128	72	10¾	98	2785	2550	2095	15	8¼	13.7	210	170	100	235	5365	1.8	67	59	90
95	115	73½	11⅛	100	2900	2710	2340	13	9	16.1	210	180	125	244	5690	1.7	63	60	95
100	105	75	11¾	102	3010	2840	2565	10	9½	19.2	200	180	135	253	6000	1.6	60	60	100
110	90	77	13	106	3205	3085	2895	15	10¾	24.2	370	345	285	269	6565	1.5	53	60	110
120	79	79	14¼	110	3365	3280	3125	11	11¾	30.2	335	320	285	284	7060	1.4	47	59	120
130	70	80	15¼	113	3475	3410	3275	9	12¾	36.5	325	310	285	297	7495	1.3	40	58	130
140	63	81	16¼	115	3545	3495	3380	7	13¾	43.1	305	295	285	310	7870	1.2	34	56	140
150	57	81½	17¼	117	3560	3520	3421	6	14¾	49.5	300	295	285	321	8185	1.1	29	54	150

Beech (Continued)

YIELD CLASS 40

Table 68 (contd)

Age	MAIN CROP After Thinning							Yield From THINNINGS						TOTAL Production		INCREMENT			Age
	Number of Trees	Top Height	Mean BHQG	Basal Area	Volume (h. ft.) to top diameter o.b. of			Number of Trees	Mean BHQG	Av. Vol. per Tree	Volume (h. ft.) to top diameter o.b. of			Basal Area	Volume to 3 inches	C.A.I.		M.A.I.	
					3 inches	7 inches	9 inches				3 inches	7 inches	9 inches			Basal area	Volume to 3 inches	Volume to 3 inches	
		feet	ins.	sq. ft. q. g.					ins.	h. ft.				sq. ft. q. g.	h. ft.				
30	2090	25	1¾	47	180	—	—	—	—	—	—	—	—	47	180	3.1	45	6	30
35	1740	29	2	55	365	—	—	350	2	0.17	60	—	—	64	425	3.1	50	12	35
40	1230	33	2½	54	485	—	—	510	2¼	0.27	140	—	—	79	685	3.0	53	17	40
45	900	36½	3	56	615	—	—	330	2½	0.42	140	—	—	94	955	2.8	55	21	45
50	694	40	3½	59	755	—	—	206	2¾	0.68	140	—	—	107	1235	2.7	57	25	50
55	552	43	4	62	900	25	—	142	3	0.99	140	—	—	120	1520	2.5	58	28	55
60	449	46	4½	66	1055	80	—	103	3½	1.36	140	—	—	132	1815	2.4	59	30	60
65	377	48½	5¼	70	1210	215	15	72	4	1.94	140	5	—	144	2110	2.3	59	32	65
70	321	50½	5¾	73	1365	410	55	56	4½	2.50	140	10	—	155	2405	2.1	58	34	70
75	278	52½	6¼	76	1515	670	150	43	5	3.26	140	15	—	166	2695	2.0	57	36	75
80	244	54½	6¾	79	1655	945	305	34	5¼	4.12	140	25	—	176	2975	1.9	55	37	80
85	216	56	7¼	82	1785	1190	490	28	5¾	5.00	140	40	5	185	3245	1.8	53	38	85
90	193	57½	8	85	1905	1430	735	23	6¼	6.09	140	55	10	194	3505	1.7	51	39	90
95	174	59	8½	87	2010	1630	985	19	6¾	7.31	140	75	20	202	3750	1.6	48	39	95
100	158	60	9	89	2105	1785	1200	16	7¼	8.51	140	90	35	210	3985	1.5	45	40	100
110	133	62	10	93	2250	2025	1405	25	8¼	11.1	280	215	120	225	4410	1.4	40	40	110
120	115	63	11	97	2370	2200	1920	18	9	13.8	250	205	145	239	4780	1.3	34	40	120
130	101	64	12	100	2470	2340	2130	14	9¾	16.2	220	195	155	252	5100	1.2	29	39	130
140	90	64½	13	103	2530	2435	2285	11	10¾	19.5	205	190	160	264	5365	1.1	24	38	140
150	81	64½	13¾	106	2550	2475	2345	9	11½	22.5	200	190	165	275	5585	1.0	20	37	150

Normal Yield Tables Continued Overleaf

Sycamore, Ash*, Birch

NORMAL YIELD TABLE: YIELD CLASS 120

Age	MAIN CROP After Thinning							Yield From THINNINGS						TOTAL Production		INCREMENT			Age
	Number of Trees	Top Height	Mean BHQG	Basal Area	Volume (h. ft.) to top diameter o.b. of			Number of Trees	Mean BHQG	Av. Vol. per Tree	Volume (h. ft.) to top diameter o.b. of			Basal Area	Volume to 3 inches	C.A.I.		M.A.I.	
		feet	ins.	sq. ft. q. g.	3 inches	7 inches	9 inches		ins.	h. ft.	3 inches	7 inches	9 inches	sq. ft. q. g.	h. ft.	Basal area	Volume to 3 inches	Volume to 3 inches	
10	1200	28½	2	37	155	—	—	—	—	—	—	—	—	37	155	6.0	112	16	10
15	445	38	3¼	34	430	—	—	625	2¾	0.64	400	—	—	69	830	6.5	152	55	15
20	246	46½	5	42	825	110	—	199	4½	2.11	420	20	—	102	1645	6.6	171	82	20
25	163	54	7	53	1275	730	220	83	6	5.09	420	150	30	134	2515	6.3	172	101	25
30	123	60½	8¾	66	1700	1380	880	40	7¾	10.4	420	310	155	164	3360	5.6	161	112	30
35	101	65	10½	76	2045	1870	1530	22	9¾	18.7	420	375	285	190	4125	4.6	144	118	35
40	87	69	12	85	2300	2240	1970	14	11½	29.0	420	390	340	211	4800	3.9	126	120	40
45	78	72	13	92	2605	2550	2340	9	12¾	31.6	280	270	250	229	5385	3.2	109	120	45
50	72	74½	14	98	2890	2820	2660	6	14	37.7	220	215	200	244	5890	2.7	93	118	50
55	67	76½	15	104	3130	3060	2940	5	15	42.1	190	185	180	256	6320	2.3	80	115	55
60	63	78	15¾	108	3330	3270	3150	4	15¾	48.4	170	170	165	266	6690	1.9	68	112	60
65	60	79½	16½	112	3485	3440	3320	3	16½	57.0	160	155	150	275	7005	1.6	58	108	65
70	58	80½	17	116	3605	3560	3460	2	17	61.5	150	150	145	283	7275	1.4	51	104	70
75	56	81½	17½	119	3705	3650	3570	2	17½	65.7	140	140	135	290	7515	1.3	45	100	75
80	54	82½	18	121	3790	3740	3670	2	18	70.1	130	130	130	296	7730	1.2	41	97	80

* See page 209.

YIELD CLASS **100**

15	560	34½	2¾	30	310	—	—	640	2½	0.39	250	—	—	57	560	6.1	127	37	15
20	320	43	4¼	38	660	30	—	240	3¾	1.46	350	—	—	88	1260	6.1	150	63	20
25	210	50½	5¾	49	1075	360	40	110	5	3.20	350	50	—	117	2025	5.7	152	81	25
30	155	56	7½	59	1460	890	400	55	6½	6.42	350	170	40	144	2760	4.9	140	92	30
35	125	60½	9	68	1770	1400	940	30	8	11.5	350	270	145	167	3420	4.2	124	98	35
40	106	64½	10¼	76	2000	1800	1430	19	9½	18.0	350	305	240	186	4000	3.5	108	100	40
45	94	67½	11¾	82	2245	2100	1820	12	10¾	20.9	260	240	200	202	4505	2.9	93	100	45
50	86	69½	12¼	88	2485	2360	2140	8	11¾	26.0	195	185	165	215	4940	2.4	80	99	50
55	80	71½	13	93	2695	2590	2390	6	12¾	29.8	165	160	145	226	5315	2.0	69	97	55
60	76	73½	13½	97	2870	2780	2590	4	13¼	35.4	145	140	130	236	5635	1.7	59	94	60
65	73	74½	14	100	3005	2930	2760	3	14	39.2	135	130	120	244	5905	1.5	50	91	65
70	70	75½	14½	103	3115	3050	2890	3	14½	43.1	125	120	115	251	6140	1.3	44	88	70
75	68	76½	15	106	3210	3140	3000	2	15	46.2	115	110	105	257	6350	1.1	39	85	75
80	66	77½	15½	108	3290	3220	3100	2	15½	49.3	105	105	100	262	6535	1.0	35	82	80

YIELD CLASS **80**

15	760	31	2½	29	185	—	—	440	2½	0.22	100	—	—	44	285	5.5	109	19	15
20	440	39	3½	35	505	—	—	320	3	0.87	280	—	—	71	885	5.5	125	44	20
25	286	45½	4¾	44	865	80	—	154	4	1.82	280	10	—	98	1525	5.0	127	61	25
30	209	51	6	53	1200	420	70	77	5¼	3.61	280	55	5	121	2140	4.4	117	71	30
35	166	55½	7¼	60	1475	900	370	43	6½	6.44	280	145	30	141	2695	3.7	103	77	35
40	139	59	8¼	67	1680	1300	770	27	7½	10.2	280	190	80	158	3180	3.1	90	79	40
45	122	62	9¼	73	1870	1620	1140	17	8¾	13.2	230	185	110	172	3600	2.6	78	80	45
50	111	64	10	78	2060	1860	1450	11	9¾	15.5	170	145	105	184	3960	2.2	66	79	50
55	103	66	10¾	82	2230	2050	1710	8	10	18.4	140	125	100	194	4270	1.8	56	78	55
60	97	67½	11¼	85	2370	2210	1910	6	10¾	21.1	120	110	95	202	4530	1.5	48	76	60
65	92	69	11¾	88	2480	2340	2070	5	11¼	23.6	110	100	90	209	4750	1.3	41	73	65
70	88	70	12¼	91	2570	2440	2200	4	11¾	26.0	100	95	80	215	4940	1.1	36	70	70
75	85	71	12½	93	2650	2530	2310	3	12¼	28.1	90	85	75	220	5110	1.0	32	68	75
80	82	71½	12¾	95	2720	2610	2400	3	12¼	30.3	80	75	70	225	5260	0.9	28	66	80

Sycamore, Ash*, Birch (Continued)

NORMAL YIELD TABLE: YIELD CLASS 60

Age	MAIN CROP After Thinning							Yield from THINNINGS						TOTAL Production		INCREMENT			Age
	Number of Trees	Top Height	Mean BHQG	Basal Area	Volume (h. ft.) to top diameter o.b. of			Number of Trees	Mean BHQG	Av. Vol. per Tree	Volume (h. ft.) to top diameter o.b. of			Basal Area	Volume to 3 inches	C.A.I.		M.A.I.	
					3 inches	7 inches	9 inches				3 inches	7 inches	9 inches			Basal area	Volume to 3 inches	Volume to 3 inches	
		feet	ins.	sq. ft. q. g.					ins.	h. ft.				sq. ft. q. g.	h. ft.				
20	645	34	2¾	33	320	—	—	555	2½	0.32	180	—	—	55	500	4.7	105	25	20
25	420	40½	3¾	39	635	—	—	225	3¼	0.94	210	—	—	77	1025	4.3	103	41	25
30	303	45½	4¼	46	925	90	—	117	4	1.80	210	5	—	98	1525	3.8	95	51	30
35	237	50	5¾	52	1165	330	40	66	5	3.21	210	25	—	115	1975	3.2	84	56	35
40	197	53	6½	58	1345	650	180	40	5¾	5.19	210	60	10	130	2365	2.7	72	59	40
45	170	55½	7¼	62	1490	960	390	27	6½	6.91	190	85	20	142	2700	2.2	62	60	45
50	152	57½	8	66	1630	1210	620	18	7	7.90	145	85	30	152	2985	1.8	53	60	50
55	140	59½	8½	70	1760	1420	850	12	7½	9.50	115	80	35	160	3230	1.5	45	59	55
60	131	61	9	73	1875	1580	1050	9	8	11.0	95	75	40	167	3440	1.3	38	57	60
65	124	62	9½	75	1965	1700	1220	7	8½	12.4	85	65	40	173	3615	1.1	33	56	65
70	119	63	9¾	77	2040	1800	1360	5	9	13.8	75	60	40	178	3765	0.9	28	54	70
75	114	64	10	79	2105	1890	1480	5	9¼	14.2	65	55	40	183	3895	0.8	24	52	75
80	110	64½	10¼	81	2165	1960	1570	4	9½	16.0	55	50	35	187	4010	0.7	21	50	80

* See page 209.

YIELD CLASS 40

20	1200	28	2	36	110	—	—	—	—	—	—	—	—	36	110	4.0	80	6	20
25	680	34	2¾	35	370	—	—	520	2¼	.27	140	—	—	55	510	3.6	78	20	25
30	490	39	3½	40	610	—	—	190	3	.74	140	—	—	72	890	3.2	72	30	30
35	383	43	4¼	44	810	20	—	107	3½	1.31	140	—	—	87	1230	2.7	64	35	35
40	312	46	4¾	48	970	100	—	71	4	1.99	140	5	—	99	1530	2.2	56	38	40
45	268	48	5¼	52	1090	210	10	44	4½	3.15	140	10	—	108	1790	1.8	48	40	45
50	239	50	5¾	55	1190	360	50	29	5	4.07	120	15	—	116	2010	1.5	40	40	50
55	220	51½	6¼	58	1285	520	100	19	5¼	4.62	90	20	—	123	2195	1.2	33	40	55
60	207	53	6½	61	1370	660	170	13	5½	5.19	70	20	—	129	2350	1.0	28	39	60
65	197	54	6¾	63	1440	780	240	10	5¾	5.72	60	20	5	134	2480	0.8	24	38	65
70	189	55	7	65	1500	900	320	8	6	5.88	50	20	5	138	2590	0.7	21	37	70
75	182	55½	7¼	66	1555	1000	390	7	6¼	6.14	40	20	5	141	2685	0.6	18	36	75
80	176	56	7½	67	1610	1090	460	6	6½	6.25	30	20	5	144	2770	0.5	16	34	80

* *Note*:—The volume yields for Ash will be those for one Yield Class less than is indicated by the height growth, i.e. Production Class 'C'.
For example, the yield table for Yield Class 100 should be used for Ash if the Yield Class according to the height/age curves is 120.

Poplar*

NORMAL YIELD TABLE: YIELD CLASS 160

Age	MAIN CROP After Thinning								Yield From THINNINGS					TOTAL Production		INCREMENT			Age
	Number of Trees	Top Height	Mean BHQG	Basal Area	Av. Vol. per Tree	Volume (h. ft.) to top diameter o.b. of			Number of Trees	Mean BHQG	Volume (h. ft.) to top diameter o.b. of			Basal Area	Volume to 3 inches	C.A.I.		M.A.I.	
		feet	ins.	sq. ft. q. g.	h. ft.	3 inches	7 inches	9 inches		ins.	3 inches	7 inches	9 inches	sq. ft. q. g.	h. ft.	Basal area	Volume to 3 inches	Volume to 3 inches	
5	75	28½	4	8	1.13	85	—	—	—	—	—	—	—	8	85	3.2	50	17	5
10	75	52½	7¼	27	7.87	590	380	150	—	—	—	—	—	27	590	4.8	142	59	10
15	75	72½	10¼	54	19.5	1460	1320	1055	—	—	—	—	—	54	1460	5.5	199	97	15
20	75	89	12½	82	33.9	2545	2435	2230	—	—	—	—	—	82	2545	5.6	226	127	20
25	75	102½	14½	110	49.1	3685	3600	3420	—	—	—	—	—	110	3685	5.2	221	147	25
30	75	112½	16	134	62.8	4725	4655	4490	—	—	—	—	—	134	4725	4.4	194	157	30
35	75	120	17¼	153	74.8	5610	5545	5380	—	—	—	—	—	153	5610	3.5	160	160	35
40	75	125½	18	168	84.5	6325	6260	6095	—	—	—	—	—	168	6325	2.7	128	158	40
45	75	129½	18½	180	92.0	6890	6820	6660	—	—	—	—	—	180	6890	2.1	100	153	45
50	75	132½	19	189	97.7	7325	7250	7090	—	—	—	—	—	189	7325	1.6	77	146	50
55	75	135	19½	196	102.1	7660	7585	7430	—	—	—	—	—	196	7660	1.2	59	139	55
60	75	136½	19¾	201	105.5	7915	7835	7680	—	—	—	—	—	201	7915	1.0	43	132	60

YIELD CLASS 120

5	75	24	3¼	6	0.67	50	—	—	—	—	—	—	—	6	50	2.2	36	10	5
10	75	45½	6¼	21	5.13	385	165	35	—	—	—	—	—	21	385	3.7	102	38	10
15	75	63½	8¾	41	13.6	1020	855	565	—	—	—	—	—	41	1020	4.4	146	68	15
20	75	79	11	63	24.3	1825	1695	1460	—	—	—	—	—	63	1825	4.5	171	91	20
25	75	91	12¾	86	35.9	2695	2590	2380	—	—	—	—	—	86	2695	4.2	171	108	25
30	75	100½	14¼	105	46.8	3510	3420	3235	—	—	—	—	—	105	3510	3.6	151	117	30
35	75	107½	15¼	121	56.1	4205	4130	3955	—	—	—	—	—	121	4205	2.9	127	120	35
40	75	113	16	134	63.7	4775	4705	4560	—	—	—	—	—	134	4775	2.3	101	119	40
45	75	116½	16¾	144	69.7	5225	5160	5000	—	—	—	—	—	144	5225	1.8	79	116	45
50	75	119½	17	152	74.3	5570	5505	5340	—	—	—	—	—	152	5570	1.3	61	111	50
55	75	121½	17¼	158	77.8	5835	5770	5605	—	—	—	—	—	158	5835	1.0	46	106	55
60	75	123½	17½	162	80.5	6035	5970	5810	—	—	—	—	—	162	6035	0.8	34	101	60

YIELD CLASS 80

5	75	19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5
10	75	37	5	13	2.67	200	30	—	—	—	—	—	—	13	200	2.3	60	20	10
15	75	52½	7¼	28	7.87	590	380	150	—	—	—	—	—	28	590	3.1	94	39	15
20	75	66	9¼	44	14.9	1120	960	670	—	—	—	—	—	44	1120	3.3	114	56	20
25	75	77	10¾	61	22.7	1705	1575	1330	—	—	—	—	—	61	1705	3.2	116	68	25
30	75	85½	12	76	30.3	2270	2155	1940	—	—	—	—	—	76	2270	2.8	108	76	30
35	75	92	13	88	37.1	2780	2675	2475	—	—	—	—	—	88	2780	2.2	93	79	35
40	75	97	13¾	98	42.7	3200	3105	2915	—	—	—	—	—	98	3200	1.8	75	80	40
45	75	100½	14¼	106	47.1	3530	3440	3260	—	—	—	—	—	106	3530	1.4	58	78	45
50	75	103½	14¾	112	50.4	3780	3695	3515	—	—	—	—	—	112	3780	1.0	44	75	50
55	75	105	15	116	52.9	3970	3890	3715	—	—	—	—	—	116	3970	0.8	33	72	55
60	75	106½	15¼	119	54.9	4115	4035	3865	—	—	—	—	—	119	4115	0.7	25	68	60

Poplar (Continued)

NORMAL YIELD TABLE: YIELD CLASS 40

Age	MAIN CROP After Thinning								Yield From THINNINGS					TOTAL Production		INCREMENT			Age
	Number of Trees	Top Height	Mean BHQG	Basal Area	Av. Vol. per Tree	Volume (h. ft.) to top diameter o.b. of			Number of Trees	Mean BHQG	Volume (h. ft.) to top diameter o.b. of			Basal Area	Volume to 3 inches	C.A.I.		M.A.I.	
		feet	ins.	sq. ft. q. g.	h. ft.	3 inches	7 inches	9 inches		ins.	3 inches	7 inches	9 inches	sq. ft. q. g.	h. ft.	Basal area	Volume to 3 inches	Volume to 3 inches	
5	—	—	—	—	—	—	—	—											5
10	75	24½	3¼	5	0.67	50	—	—	—	—	—	—	—	5	50	1.0	20	5	10
15	75	37	5	13	2.67	200	30	—	—	—	—	—	—	13	200	1.7	41	13	15
20	75	48	6½	22	6.00	450	225	60	—	—	—	—	—	22	450	2.0	57	22	20
25	75	57	8	33	10.1	755	565	290	—	—	—	—	—	33	755	2.0	63	30	25
30	75	64½	9	43	14.3	1070	905	615	—	—	—	—	—	43	1070	1.8	60	36	30
35	75	70½	9¾	51	18.1	1355	1210	935	—	—	—	—	—	51	1355	1.5	53	39	35
40	75	75	10½	58	21.3	1600	1465	1205	—	—	—	—	—	58	1600	1.2	44	40	40
45	75	78½	11	63	23.9	1795	1665	1425	—	—	—	—	—	63	1795	0.9	34	40	45
50	75	80½	11¼	67	25.9	1945	1820	1585	—	—	—	—	—	67	1945	0.7	26	39	50
55	75	82½	11½	70	27.4	2055	1930	1705	—	—	—	—	—	70	2055	0.5	19	37	55
60	75	83½	11¾	72	28.5	2135	2015	1795	—	—	—	—	—	72	2135	0.3	13	35	60

Appendices

APPENDIX I
DESCRIPTION OF UNITS OF MEASURE

YIELD CLASS. A classification of rate of growth in terms of the maximum mean annual increment per acre of volume to 3 in. top diameter, irrespective of age of culmination, or of tree species.

AGE (from time of planting). 5 or 10 year age intervals are used in order to give a clearer impression of growth and development and to facilitate comparisons between species and yield classes. These age intervals, although they do not necessarily constitute suitable thinning cycles, have been used to calculate the volume removed in the thinnings shown in the yield tables, so as to standardise the presentation.

Main Crop after Thinning

NUMBER OF TREES (per acre). The initial value is based on an assumed (square) planting distance reduced to allow for mortality. The assumed spacing is an estimate of the average for existing crops, based on a survey of current practice in the Forestry Commission and on the evidence of sample plots on Commission and private woodlands.

TOP HEIGHT. The average total height (in feet) of the 40 trees of largest girth per acre (approx. 100 per hectare). Mean height will be less than top height by amounts which will vary from 3 ft. for low-thinned crops, to 6 ft. for crown-thinned or lightly thinned crops.

MEAN B.H.Q.G. (ins.). Mean breast height quarter girth (true girth, in inches, divided by 4, measured at 4ft. 3 in. above ground level) weighted by basal area (i.e. the B.H.Q.G. equivalent to the mean basal area per tree).

BASAL AREA (per acre) in square feet quarter girth over bark for all trees over 1 in. B.H.Q.G. (Abbreviation, B.A. sq. ft. q. g.).

VOLUME (per acre) over bark in hoppus feet (1 h. ft. = 1.273 cubic feet) based mainly on 10 ft. sectional measurement using Huber's formula (see F.C. Bulletin 31 *Code of Sample Plot Procedure* (1959) for more details).

to 3 *in. top diameter* (over bark).
This is the conventional volume measurement limit for conifers and young hardwoods in Britain; the minimum log length is 1 ft.

to 7 *in. top diameter* (over bark).
This is the volume measured to a different top diameter ('merchantable') limit and with a minimum log length of 10 ft.

to 9 *in. top diameter* (over bark).
The volume to this merchantable limit (again with a 10 ft. minimum log length) gives an indication of potential saw-timber volume.

The volumes to alternative top diameter limits can be derived via the mean B.H.Q.G. and the Stand Assortment tables.

N.B. the volume *between* the specified top diameters has to be obtained by subtraction.

Yield from Thinnings

NUMBER OF TREES (per acre). No allowance is made for natural mortality once thinning has started.

MEAN B.H.Q.G. as for main crop.

AVERAGE VOLUME PER TREE. (Volume to 3 in. top diameter o.b.). Note that the value obtained by dividing volume by the number of trees given in the table may differ slightly from the tabulated average volume, which is a smoothed value.

VOLUMES. The volume removed in the first thinning is often adjusted to allow for the fact that the normal age for the first thinning does not end in "5" or "0". Apart from this the *annual* thinning yield volume to 3 inches top diameter is 70% of the yield class until a few years before the culmination of M.A.I., for all species and yield classes.

Total Production

BASAL AREA AND VOLUME (per acre). This is the cumulative yield and is equal to the main crop value after thinning, *plus* the present *and all previous* thinning yields. The volume is to the conventional 3 inch top diameter limit.

Increment

C.A.I. BASAL AREA AND VOLUME (per acre). These are *Current Annual Increment* values, *not* periodic annual increments, i.e. it is the increment put on *during the year in question*, not the average increment between the 5-yearly or 10-yearly tabulations. The increment figures relate to total basal area and volume production, not to main crop basal areas and volumes.

M.A.I. IN VOLUME (per acre). The *Mean Annual Increment* is the total volume production to date, divided by the age, i.e. it is the average rate of volume production *over the life of the crop to date*, in contrast to the C.A.I. which is the rate of growth *at* the age to which it refers.

Notes

These tables are presented in a simplified form; the original computed values have had to be rounded which sometimes results in apparent inconsistencies. The following rounding conventions were used. Top height—to nearest $\frac{1}{2}$ ft.; Number of trees—to nearest "1 per acre"; Mean B.H.Q.G. to nearest $\frac{1}{4}$ inch; Basal area to nearest square ft.; Volume per acre usually to nearest 5 h. ft., but occasionally to nearest h. ft.; Increments to nearest 0·1 square ft. basal area and to nearest 1·0 h. ft. volume; Average volumes to nearest 0·01 h. ft. or to three significant figures.

APPENDIX II
CONVERSION TABLES FOR METRIC MEASURE, ETC.

The following conversion factors are based on Forestry Commission Booklet No. 5, *Conversion Tables for Research Workers in Forestry and Agriculture*, 1965 (H.M.S.O. 7s. 0d. post free).

An abbreviated metric version of the Normal Yield Tables in this booklet is available on application to the Mensuration Officer of the Forestry Commission.

1. Land Area

1 acre = 0·40468 hectares.
Reciprocal: 1 hectare = 2·471 acres.

2. Length

1 foot = 0·3048 metres.
Reciprocal: 1 metre = 3·28084 feet.

3. Girth to Diameter

1 inch true girth = 0·8085 centimetres diameter.
1 inch quarter-girth = 3·234 centimetres diameter.
Reciprocals: 1 centimetre diameter = 1·2368 inches true girth.
1 centimetre diameter = 0·3092 inches quarter girth.

4. Basal Area

1 square foot quarter-girth = 1182·89 square centimeteres.
1 square foot quarter-girth = 0·1183 square metres.
Reciprocals: 1 square centimetre = 0·000845 square feet quarter-girth.
1 square metre = 8·45 square feet quarter-girth.

5. Basal Area, per unit area

1 square foot, quarter-girth, per acre = 0·29217 square metres per hectare.
Reciprocal: 1 square metre per hectare = 3·42268 square feet, quarter girth, per acre.

6. Volume

1 hoppus foot = 0·03605 cubic metres.
Reciprocal: 1 cubic metre = 27·7362 hoppus feet.

7. Volume per unit area

1 hoppus foot per acre = 0·08905 cubic metres per hectare.
Reciprocal: 1 cubic metre per hectare = 11·2294 hoppus feet per acre.
Example: Yield Class 100 is equivalent to a Yield Class of 8·9 cubic metres per hectare.

8. Hoppus feet to Cubic feet, true measure

1 hoppus foot = 1·2732 cubic feet, true measure.
Reciprocal: 1 cubic foot, true measure = 0·7854 hoppus feet.

FORESTRY COMMISSION PUBLICATIONS ON FOREST MANAGEMENT AND MEASUREMENT

Reports on Census of Woodlands

No. 1 Woods of Five Acres and Over, 1947-1949. 12*s.* 6*d.* (*13s. 6d.*)
2 Hedgerow and Park Timber and Woods under Five Acres, 1951. 5*s.* 0*d.* (*5s. 6d.*)
3 Welsh County Details, 1947-49. 4*s.* 0*d.* (*4s. 8d.*)
4 Scottish County Details, 1947-49. 10*s.* 0*d.* (*10s. 10d.*)
5 English County Details, 1947-49. 12*s.* 6*d.* (*13s. 8d.*)

Bulletins

24 The Volume-Basal Area Line—A Study in Forest Mensuration. 1955. 9*s.* 0*d.* (*9s. 6d.*)
31 Code of Sample Plot Procedure. 1959. 15*s.* 0*d.* (*15s. 8d.*)

Booklets

5 Conversion Tables for Research Workers in Forestry and Agriculture. 1960. 6*s.* 6*d.* (*7s.*)
7 The Plan of Operations. A Guide to the Preparation of the Plan of Operations for Dedicated and Approved Woodlands. 1962. 3*s.* 0*d.* (*3s. 5d.*)

Forest Records

5 General Volume Table for Oak in Great Britain. 1950. 1*s.* 3*d.* (*1s. 6d.*)
6 General Volume Table for Beech in Great Britain. 1950. 9*d.* (*1s. 0d.*)
7 General Volume Table for Birch in Great Britain. 1950. 6*d.* (*9d.*)
8 General Volume Tables for Scots Pine in Great Britain. 1950. 3*s.* 0*d.* (*3s. 3d.*)
9 General Volume Tables for European Larch in Great Britain. 1950. 2*s.* 0*d.* (*2s. 3d.*)
10 General Volume Tables for Norway Spruce in Great Britain. 1950. 3*s.* 0*d.* (*3s. 3d.*)
11 General Volume Tables for Corsican Pine in Great Britain. 1951. 3*s.* 0*d.* (*3s. 3d.*)
14 General Volume Tables for Japanese Larch in Great Britain. 1952. 9*d.* (*1s. 0d.*)
15 General Volume Tables for Douglas Fir in Great Britain. 1952. 2*s.* 0*d.* (*2s. 3d.*)
28 Volume Table for Small Hardwood Trees. 1954. 1*s.* 0*d.* (*1s. 3d.*)
30 Growth and Yield of Sweet Chestnut Coppice. 1956. 3*s.* 0*d.* (*3s. 5d.*)
31 Tariff Tables. 1962. 3*s.* 6*d.* (*3s. 9d.*)
32 New Ways of Using Tariff Tables. 1962. 1*s.* 3*d.* (*1s. 6d.*)

37 Alignment Charts and Form Height Tables for Determining Stand Volumes of Conifers, Oak and Beech. 1958. 1*s.* 9*d.* (2*s.* 0*d.*)
56 Report of the International Advisory Group of Forest Statisticians, 1963. 1965. 1*s.* 0*d.* (*1s. 3d.*)

Leaflet

12 Income Tax and Estate Duty on Woodlands. Revised 1964. 1*s.* 0*d.* (*1s. 3d.*)

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Publications List No. 31 and *Grants for Woodland Owners* will be sent post free by The Forestry Commission, 25 Savile Row, London, W.1.

SPECIES COVERED BY THE MANAGEMENT TABLES

A. Specific Tables

SP	Scots pine	*Pinus sylvestris*	
CP	Corsican pine	*Pinus nigra* var. *calabrica*	
LP	Lodgepole pine	*Pinus contorta*	
SS	Sitka spruce	*Picea sitchensis*	
NS	Norway spruce	*Picea abies*	
EL	European larch	*Larix decidua*	
JL	Japanese larch	*Larix leptolepis*	Combined tables
HL	Hybrid larch	*Larix eurolepis*	
DF	Douglas fir	*Pseudotsuga taxifolia* (*menziesii*)	
WH	Western hemlock	*Tsuga heterophylla*	
RC	Western red cedar	*Thuja plicata*	Combined tables
LC	Lawson cypress	*Chamaecyparis lawsoniana*	
GF	Grand fir	*Abies grandis*	
NF	Noble fir	*Abies nobilis* (*procera*)	
Oak	Pedunculate/Sessile	*Quercus robur/petraea*	
Be	Beech	*Fagus sylvatica*	
SAB	Sycamore/Ash/Birch	*Acer pseudoplatanus/Fraxinus excelsior/Betula pubescens*	
Po	Hybrid poplar	*Populus* × *euramericana*	

B. Suggested Tables for other Species

For these species:		*Use tables for:*	
Maritime pine	*Pinus pinaster*	*Pinus contorta*	LP
Weymouth pine	*Pinus strobus*	*Pinus sylvestris*	SP*
Monterey pine	*Pinus radiata*	*Pinus nigra* var. *calabrica*	CP
Serbian spruce	*Picea omorika*	*Picea abies*	NS*
Silver fir	*Abies alba*	*Abies nobilis*	NF
Californian Redwood & Wellingtonia	*Sequoia sempervirens* / *Sequoiadendron giganteum*	*Abies grandis*	GF*
Grey, Common & Italian alder	*Alnus incana, glutinosa & cordata*	Combined table for Ash, Sycamore & Birch	SAB
Norway maple	*Acer platanoides*		
Hornbeam	*Carpinus betulus*	*Fagus sylvatica*	Be
Elm	*Ulmus procera/glabra*		
Sweet Chestnut	*Castanea sativa*		
Red oak	*Quercus borealis*		
Nothofagus	*Nothofagus procera*		

*Use Production Class 'a', i.e. the Yield Class is likely to be one greater than that indicated by the General Yield Class curves for the recommended species.

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