

YIELD AND STAND TABLES OF TEAK IN MADHYA PRADESH



K.P. Tiwari
M.C. Sharma
R.L. Panday

MENSURATION BRANCH
STATE FOREST RESEARCH INSTITUTE
JABALPUR
1998

CONTENTS

Foreward	(i)	
Definitions	1	
1. Introduction	3	
2. Need for M.P. Teak yield tables	5	
3. Basic data	5	
1. Number of sample plots and their distribution within the quality class		
2. Selection and measurement of plots		
3. Thinning		
4. Computation of individual plot measurements		
5. Grouping of crop data as per locality factors		
6. Determination & delimitation of site qualities		
7. Reference age for site quality		
8. Assessment of crop parameter of each measurement of individual plot		
4. Preparation of yield Table	8	
4.1 Calculation of crop parameter for each sample plot in each periodic measurement		
4.2 Grouping of age class		
4.3 Drawing of smooth curves for each parameters		
4.4 Computation of form factor for calculation of yield/ha		
4.5 Calculation of yield for thinned trees		
4.6 Calculation/preparation and computation of yield tables		
4.7 Mean and Current Annual Increment (MAI and CAI)		
5. Prepration of Stand Tables		
5.1 Espacement tables		
5.1.1 Espacement by age and quality classes		
5.1.2 Espacement by crop diameter and quality classes		
5.2 Compilation of number of stems/ha by crop diameter		
6. Some other tables prepared for yield and stand tables		
6.1 Crop parameter by age		
6.2 Yield and increment by age		
6.3 Crop diameter vs. other parameters		
6.4 Increment in diameter and height vs. age		
6.5 Volume Increment		
7. Rotation of crop		
8. Extrapolation and Intrapolation of crop parameters		
9. Applicability/use of tables	11	
10. Conclusion	11	
Appendix and Tables		
Appendix A	Distribution of natural teak forest in M.P.	
Appendix B	Distribution of M.P. teak sample plots	13
Appendix C	Distribution of sample plots by locality factors and site quality	18
Appendix D	No of periodic measurements for each zone/site quality	19
Table No.1	Yield tables for Raipur zone	20
Table No.2	Yield tables for Hoshangabad zone	25