

5. Effect of different types of soil-covers on the moisture economy of irrigated plantations of *Dalbergia Sissoo* in Lahore Division.

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Percentage moisture at 5 fixed depths of the soil and under 4 different covers of tree and grass were studied by Forest Research Institute, Dehra Dun, in three experimental plots in Lahore Division. The test was conducted in three different months, April, August, and November over the period 1931 and 1932. The lay-out was a 4 × 4 latin square in plot No. 1, and randomised blocks in plot Nos. 2 and 3.

In all the three experimental plots grass cover always showed a higher percentage of moisture than either the tree or the grass-tree combination. The moisture content also increased systematically with depth, rapidly in the region 0', 12" and more slowly below 12". The seasonal differences were also considerable.