

TEAK SEED COLLECTION AND USE

NTRODUCTION

planted with Teak all over the country. In Madhya Pradesh also, an area of 25,000 hectares is being raised annually. country's forestry programme. Thousand of hectares are being Teak Seed has assumed great importance in the

Department and Corporation but would also supply seed to out will organise collection and distribution of good quality Madhya Pradesh at State Forest Research Institute. This unit tion scheme has recently been sanctioned by Government of tion in a scientific manner. A seed collection and certificateak seed not only to meet the requirements of State Forest It is necessary to plan for teak seed collec-

Teak seed is a precious commodity. Properly

graded and registered seed is likely to sell at B. 10/-2 Kg.

No one can afford to waste it now.

economically and efficiently. Guide lines given in the note I would advise every forester to use seed

may be followed rightly.

Good seed is the first prerequisite for a

successful plantation programme.

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Guide Lines for economic utilisation of Teak Seeds in Nurseries

Collection of Teak Seeds

production Areas should be collected in January to March. Seeds Range, Division etc. should be recorded and mentioned in nursery should be sieved to remove or twigs, bark, stones, soil and the and plantation journals. Dry and cleaned seeds collected during immature small seeds. Source of seeds giving comptt. No., season should be stored in gunny bags till onset of monsoons. Teak Seeds from superior teak stands and seed

dn and the embryo is not activated due to heat and humidity. months of August and September the seed is constantly turned Platform in the nursery for this purpose. The thickness of the layer of seeds on platform should be about 10 cms. During spreading to form gently sloping and hard surface of the of August. The ground is cleaned and rammed after murram spread out uniformly on the treatment platform in treatment platform. It would be better to construct a Cemented and down by raking so that e cessive weathering is avoided Teak Seed Collected, in January to March is first week

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Natural soaking and drying in during August and September is considered as most suitable and adoquate period for weatherwater may be sprinkled on spread up seeds after every 3 days. ing. If dry spell is unduly long during August and September, for thight of October, seed is gathered in small heaps and beaten with wooden mallets to loosen weathered coat of Turning of seeds is continued uninterrupted. In the first seeds.

Storage

During October weathered seed is dried, sieved

properly in seed godowns. and kept in gunny bags or in big bamboo baskets sealed with and cowdung plaster x till sowing time. It is stored

Area should be ploughed in November-December.

It should be levelled or terraced. Raised beds 10 M X 1 M and Side supports are provided to beds to check washing off within the plot. Beds are prepared during January-March. Drainage lines should be provided to ensure proper drainage the soil & Seeds during heavy rains. 20 to 25 cms. height should be prepared along contours.

Sowing in nurseries

week of May and first week of June. The lines are parallel before the seed is sown in the beds. About 2 Kg. of weathered seed is sown per standard bed of 10 M X 7 M in last Seed weight close to each other in lines with a thin layer of soil. to the width of the bed about 10 cms. apart. Seed is sown Germination tests should be carried out

Untreated seeds 2000 to 2500 per Kg.

Weathering losses -

40 to 45%

and plant percent is 12 to 15. 700 to 800 per bed. Germination percent is 20 to 30 and germinate within 10 to 15 days. Plantable seedlings With the onset of monsoon the seeds are

Irrigation

Irrigation should be continued till the

sed in field after planting. out any watering to have storage of food to be utilishould be allowed to remain dormant and leafless withperiod of leafshed i.e.IIndweek of February. Seedlings

The weeds also come up with the unset of

ression and root competition. to September to keep up the teak seedlings free from supprains. Intensive weeding operations are required from July

Manuring

Soil samples should be & got analysed

middle split doses. First dose during/ sor July and Second in optimum doses of chemical fertilizers should be applied in during February and on the basis of soil analysis report

middle of August.

Insecticides

BHC 50% wettable powder 400 gms in 50 litre

of water is sufficient for one bed. It is applied during

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plan ts Second week of July when the white grub damage in nursery between the teak lines in beds. is noticed. Drenching of emulsion is done in furrows

fungicide is used for controlling this fungus Fungus attack is sometimes noticed. Copper attack.

sufficient for one bed. of teak defoliator and skeletoniser. 30 gms. of dust is BHC 10% dust is sprayed to control damage

Planning for plantation

March 1980 should be sown in nursery beds in June, July 81. advance. In no case current year seeds should nurseries. For example seeds collected in January to Seeds should be collected one year in bе Sown

If we have to tackle 800 ha of teak plantation

ha. last 3 years plantations. every year, we should raise planting stock ofor atleast 1,000 This will include stock for casualties replacement of

Calculation for seed

requirement of teak seed for raising 1000 hectares required assuming 30 to 35 percent weathering losses. ing 8 Kg of trotted seeds about 12 Kg of fresh teak seed plantable stumps. Using 2 Kg ing, 4 nursery beds (10 M X 1 M size) are enough to provide seeds 1s needed for raising one hectare plantation. For gett-In normal condition, for one hectare of Plantseed per bed, 8 Kg of weathered of Total co

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plantations will be 12,000 Kg or 120 Quintals.

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During the year 1981 by M.P. State Forest Development Corporation Limited.

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