



Natural Seed/Untreated – with outer layer



Artificial Seed /Treated seed – Without outer layer



Natural Seed
Germination : 40 %



Artificial Seed
Germination : 70 -80 %

Seed germination





Seed treatment

❖ Soak the seeds in Cow dung slurry for 48- 72 hours

❖ How to prepare Cow dung slurry ?

Step :1 :- Buried in FYM pit for 10 days.



Step :2 :- Soaking the seeds in cow dung slurry for 4 to 5 days.



Step :3 :- Seeds are sown in mother bed.



Step :4 :- After 4 leaves stages pricked out in poly bags.

Seed treatment

Seeds are collected from ripened fruits (Jan – Feb) by rubbing, washing and drying and are stored in sealed tins.

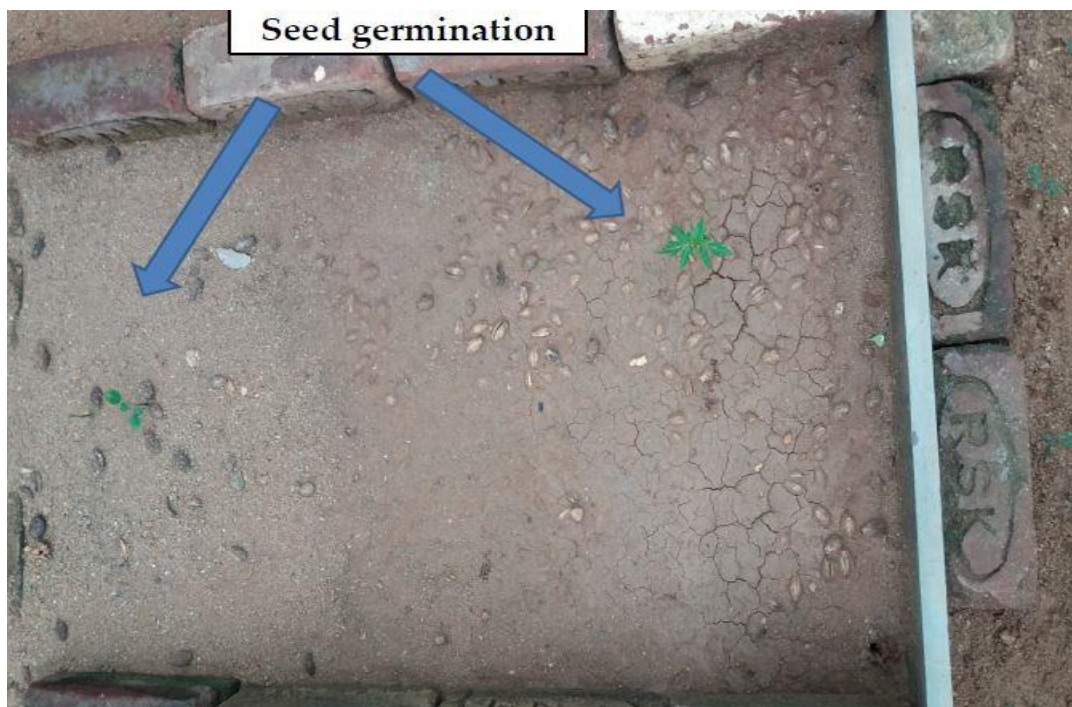
The germinability of the seed is less than 25%.

In nursery, the seeds are sown in raised nursery beds. The best seed treatment is treating the seeds with cowdung solution for one day..

Then the treated seeds are sown over the raised nursery bed. It takes two or three months for the seeds to germinate. Irrigation should be done regularly. The seedling takes 6 months to 12 months to complete its nursery stage.

Alternatively the seeds can be extracted from the fruits without any damage. The seeds are then soaked in 100 ppm GA overnight which has recorded over 50% germination

Preparation of Mother Bed



Seed opening



Time taken for initial germination :: 15- 21 days

Germination capacity

Outer layer removed seed :: 60 %

With outer layer seeds :: 30- 40 %

Time taken for germination capacity :: 60 days

No. of seeds per Kg

Outer layer removed seed :: 350 -400 Nos

With outer layer seeds :: 300 Nos



Prick out poly bags 2 months old seedlings

- 1.Melia dubia is very fastest growing tree.It is used for multipurpose like as plywood and pulp wood (paper) Industries
- 2.No. of seeds per Kg : 350 Seeds
- 3.PRETREATMENT OF SEEDS : Soak the seeds in Cow dung slurry for 48- 72 hours or 4 to 5 days
- 4.NURSERY TECHNIQUE : Pretreated seeds are sown in mother bed. 4 leaves stages pricked out and planted in poly bags.
- 5.Short rotation crop within four year get income.
- 6. Germination Rate : 60%