

Seed Collection for Forestry

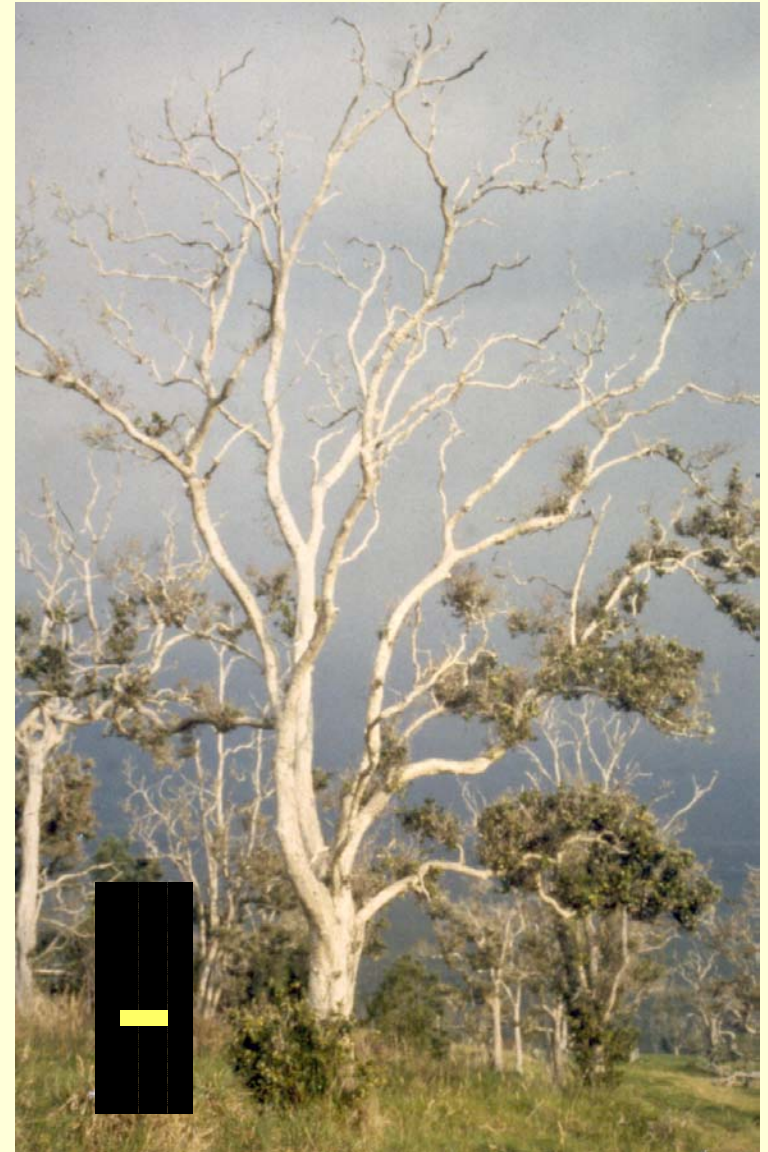
Dr. J. B. Friday, University of Hawaii



Tree form is inherited from parent trees
Different provenances have very different
shapes, forms



Individual trees will also vary in form
Which tree is better for timber?



Select for qualities needed

What is the purpose?



Forage production
trail, Hawaii

What is the purpose?

Multi-stemmed trees are useless for timber but ok for windbreaks



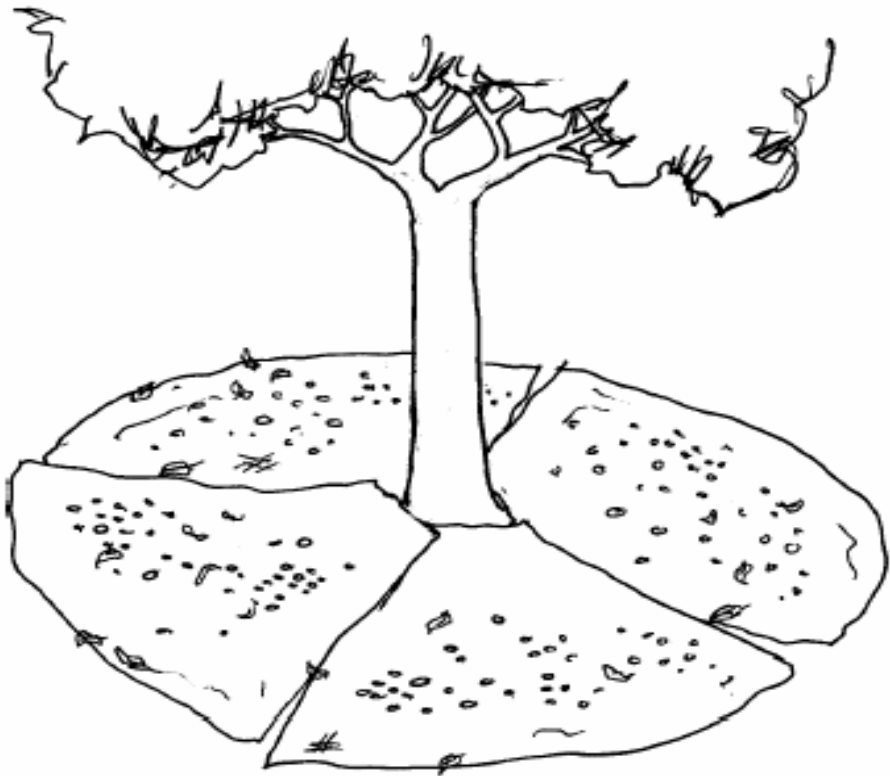
Seed collection: Variability

- Collect seed from
- various locations in the
- crown of the trees

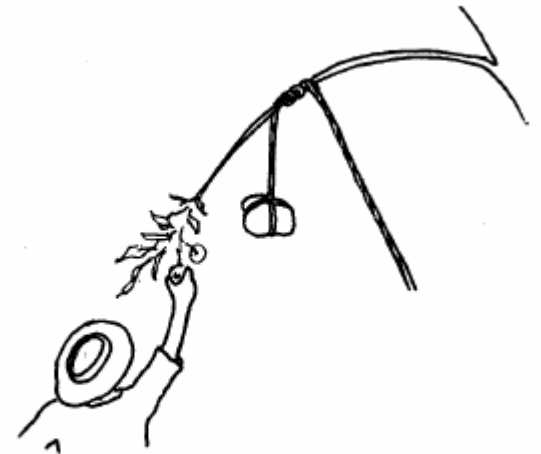
- Collect from at least
- 25 mother trees



Seed collection methods



Tarps on the ground aid seed collection.



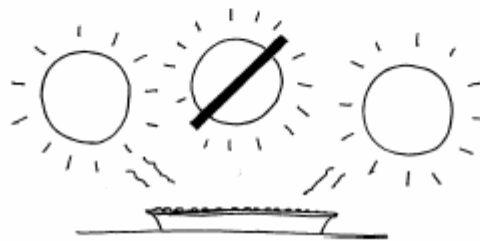
A rope and weight can bring branches within reach.

Use care in drying seeds

Dry moist seeds slowly in the shade to reduce their moisture content before sun-drying.



When sun-drying seeds, avoid direct sun during the hottest part of the day.



Seed label

**Acme Seed Company
P.O. Box 000
Hilo, HI 96720 USA**

Accession No.:	12345	Elev. (m):	260
Collected:	July 1998	Rainfall (mm):	1520
Species:	<i>Gmelina arborea</i>	Seed mother trees:	30
Provenance:	Muak Lek	Germination %:	45
Country:	Thailand	Gram seeds:	200
Lat., Long.:	14°00'N, 100°00'E	Viable seeds (no./g):	1
Collector:	J. Rock	Scarification:	None