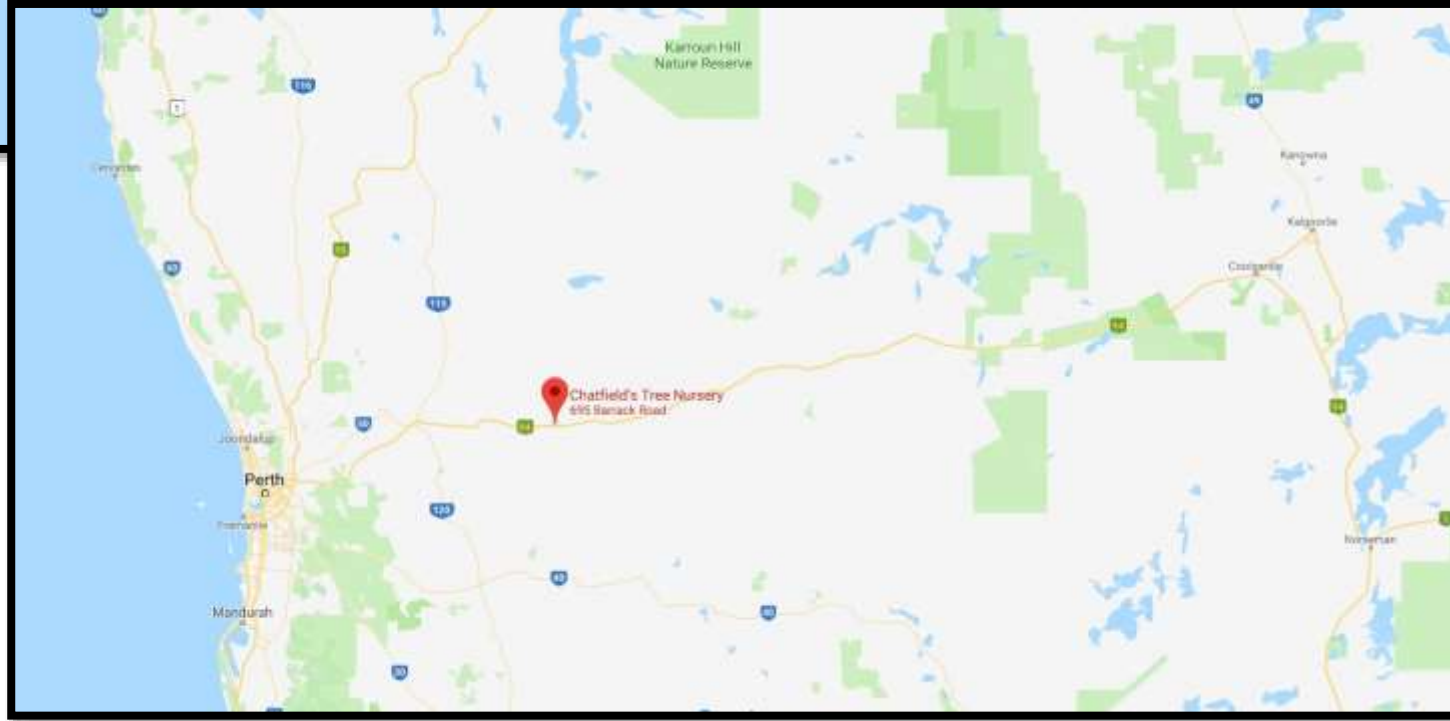


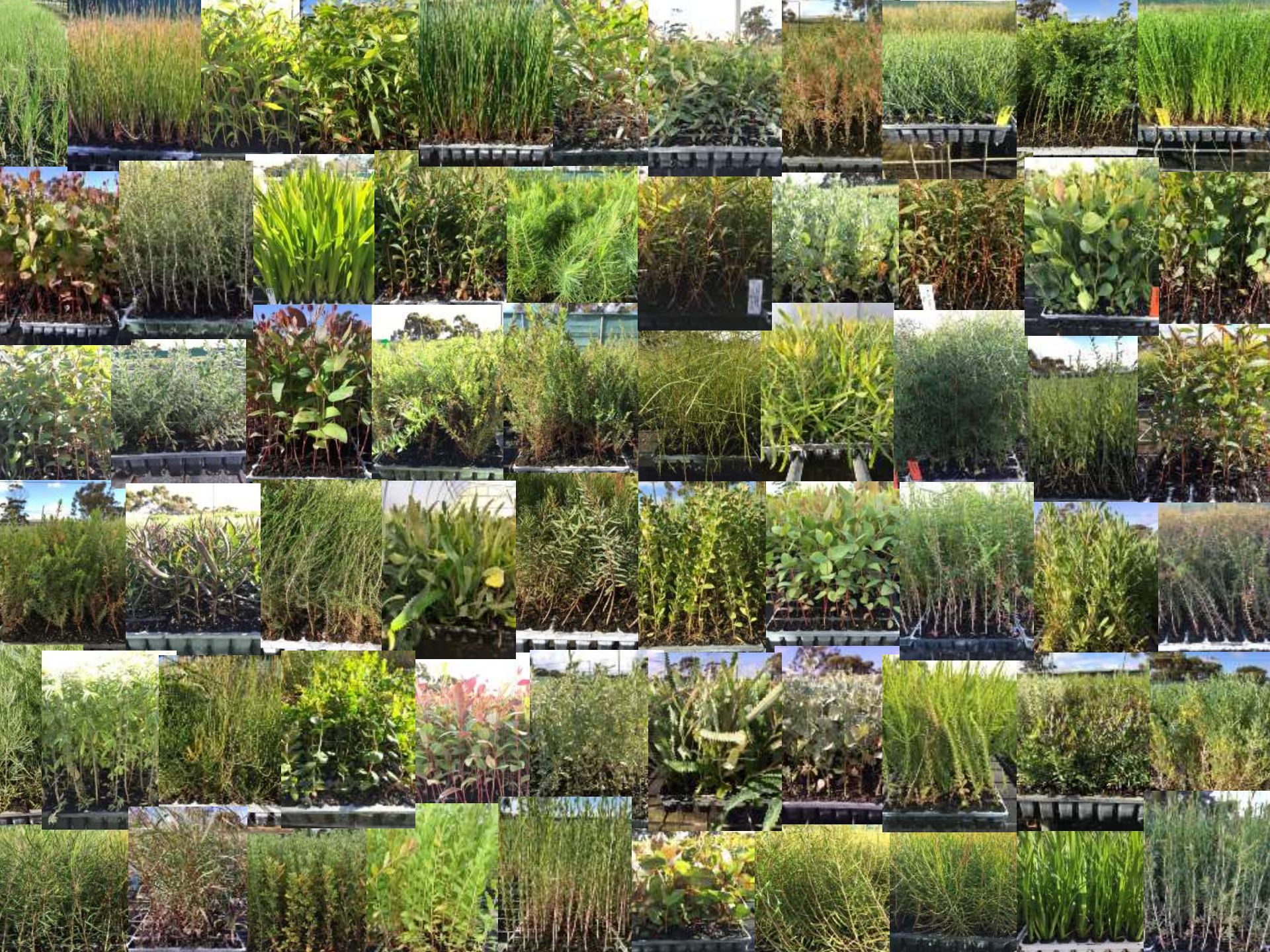
Seed is our gold







Chatfields Tree Nursery – holds 2,500,000 seedlings





Seeds need to germinate

Seed stock of over 1000 species



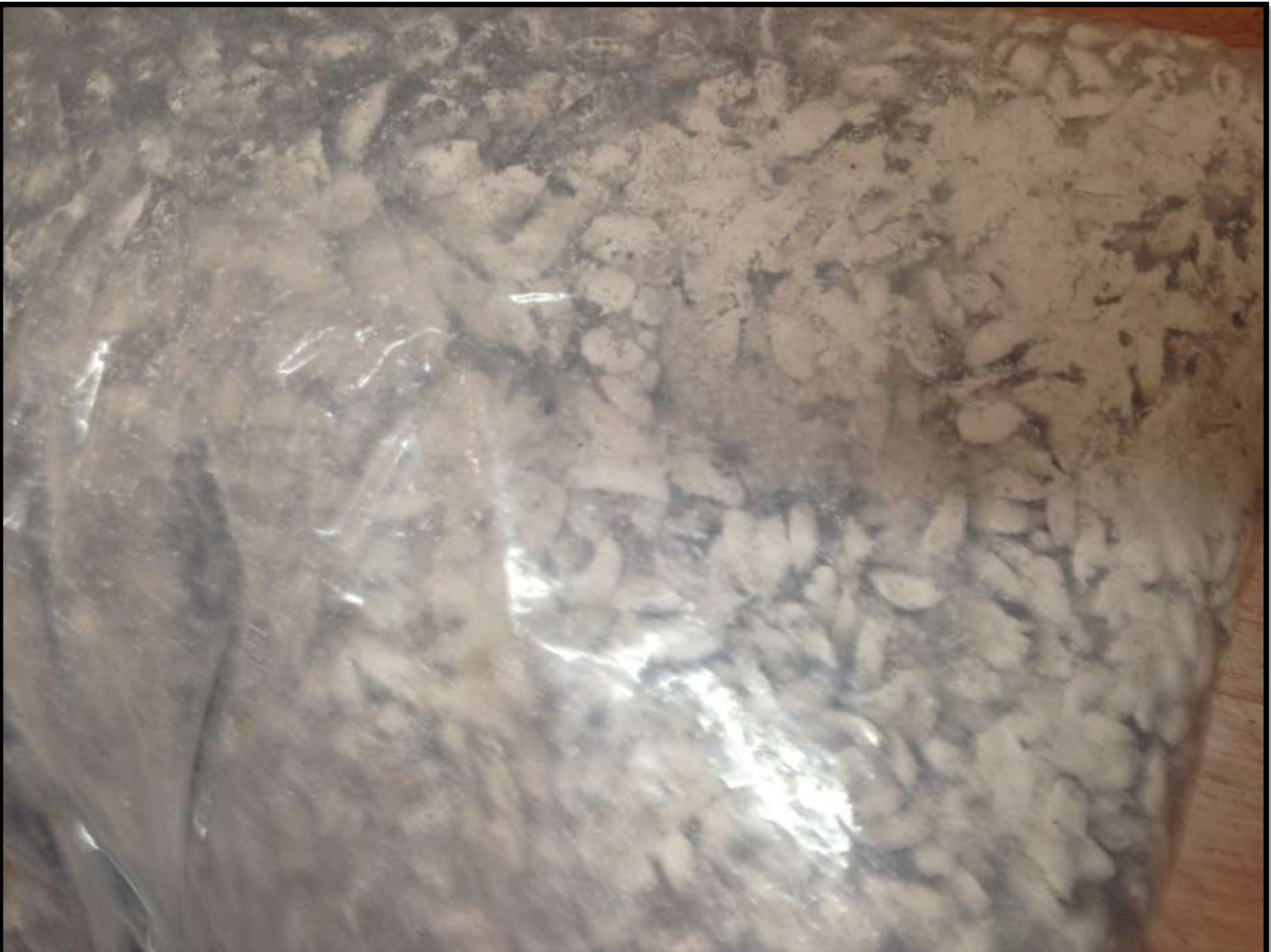


Vacuum sealing



Free from
bugs and
mice/rats





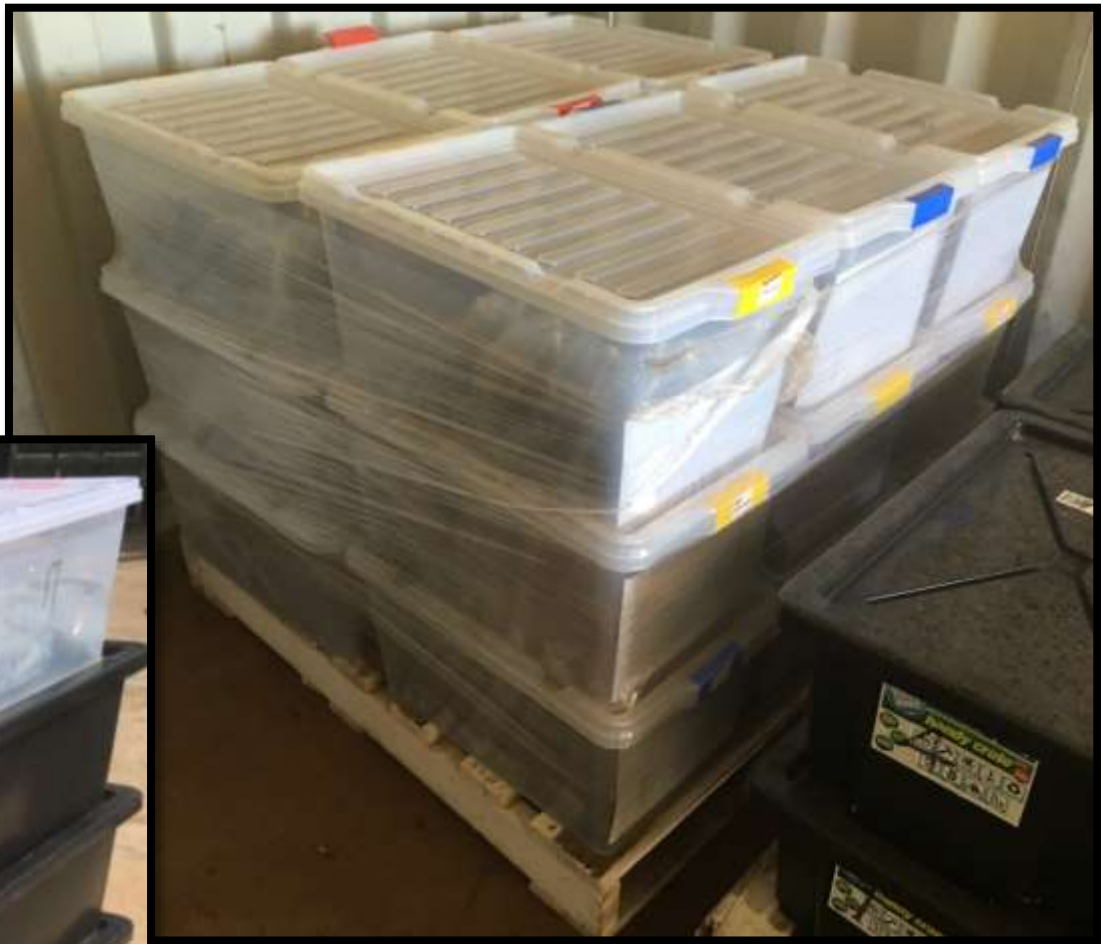
Free
from
moisture





Stored securely







Using a KW Automated seeder
Most of our seed needs to be pure





8 viable seed per gm



450 viable seed per gm



850 viable seed per gm



1600 viable seed per gm

Species range
from less than 1
seed to 10,000+
seeds per gram



33 viable seed per gm



600 viable seed per gm (pure)



50 viable seed per gm



90 viable seed per gm

A photograph of a field with rows of crops. The foreground is filled with tall, dense, green and yellowish plants. The background shows rows of lower, leafy plants, possibly a different crop variety or a different stage of growth. A white rectangular box with a black border is superimposed over the middle of the image, containing the text "Clean Seed".

Clean Seed

Varied sizes of Sieves





Vacuum
Separator



Eucalyptus todtiana

Note to self..
Sometimes the light stuff is the seed!!

2kg Eucalypt seed and chaff



May only give
150–200g of pure seed





Seeds are red/black...



Seed Treatments

Seed Scarifier

Smoke Water Gibberellic Acid

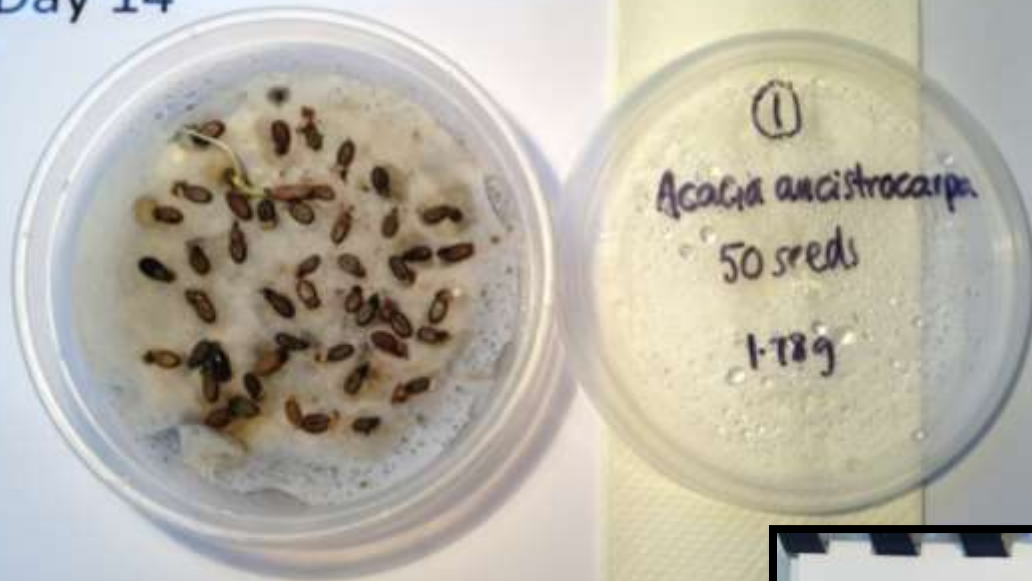




Hot water treatment works better with some species



Day 14



No treatment
2% germination

Scarification treatment
93% germination



Day 8

ACACIA ANCISTROCARPA
scarify 7/12 1.

Day 5

SOLANUM LASIOPHYLLUM

Gib 7/12 28



Gibberellic Acid Treatment
89% Germination

Day 14



No Treatment
38% Germination



Timing



Germination room
Set temperatures and daylight hours





Germination cabinets

Soil types



Planting Depth

Surface



1.5x seed depth



3x seed depth







Mixed seed in one seed lot

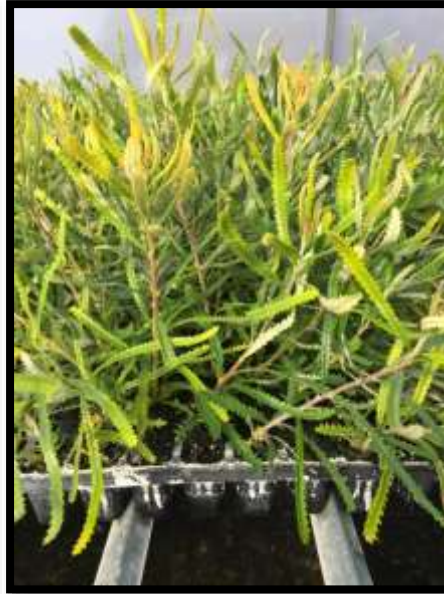




Knowing what plant it is...

Varied germination
within the same species





Each species is graded so only the best are delivered

This area was cleared in the 1940–
50s

Planting began in 1979

Nearly 40 years of re-planting



A close-up photograph of a person's open palm held over a background of dense green foliage. In the center of the palm, there is a small, scattered pile of tiny, dark, oval-shaped seeds. The lighting is bright, suggesting daylight.

**They might see
the seed**

**But we see
the trees**