

## TANZANIA TREE SEED AGENCY



### HANDLING SEED OF *DOVYALIS CAFFRA* (KEI APPLE)

Seed Issue Note No. (118) 2004

#### Temporary storage

Seed can be stored for up to six months at optimum temperature (16°C), without significant loss of viability. However, it is recommended to sow the seeds as soon as possible upon receipt.

#### Treatment before sowing

Seed does not need any pre-treatment.

#### Sowing

A space about 1 cm should be left between the seeds. This will give a sowing density of 10,000 seeds per m<sup>2</sup> of seedbed corresponding to 0.5 kg of seed per m<sup>2</sup> of seedbed. Seeds should be covered with 0.5 cm of sand.

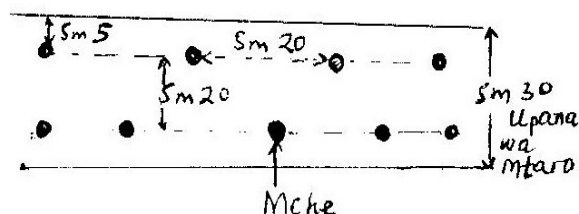
#### Germination

Germination is good. It reaches 40% after 10 days and 80% after 28 days from sowing.

One kg contains 23,000 seeds and may produce 18,000 seedlings under ideal conditions. However, in many cases only 16,000 seedlings per kg will be obtained. Transplanting into pots can take place when the seedling has attained height of 0.5 cm.

#### To sow fence of *Dovyalis caffra*

A trench of 30 cm wide should be prepared around the site to be fenced. Separate top soil (15 cm) from deeper soil. Return back top soil in trench, animal manure (20 litres per 3 m), can be added as addition for case of poor soils. Plants should be planted in pots with 3 cm higher than the height of pots. Planting should be done as indicated in the drawing.



To establishment a fence of *Dovyalis caffra*

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