

# Jiffy-7 Forestry®

Rooting Forest Sustainability

## EUCALYPTUS CUTTINGS



### Eucalyptus (Cutting) Rooting in Jiffy-Pellets

Eucalyptus Macro or Mini-cuttings can be used for clonal propagation. As in any cutting propagation system, keeping the turgor of the cuttings is of primary importance. Fog mist systems are needed in shade-houses or greenhouses to maintain the turgor of the cuttings.

Once Jiffy Pellets are expanded, and allocated into the Air-Tray systems, the Pellets are ready to be used as a propagation media and container in one.

Fresh and uniform Eucalyptus macro/mini-cuttings should be stuck into the expanded Jiffy-Pellets and moved immediately to the rooting greenhouse. Begin misting (or fogging) immediately. Misting may need to begin before all cuttings are planted to prevent wilting of the first cuttings planted. Cycles and intervals of misting should be adjusted based on climatic conditions. The nursery manager has to be aware, not to leave rooted cuttings too long in the mist (or fog) houses to avoid intertwining of roots between neighbouring pellets. Usually 15 to 20 days is enough for this phase (depending on Climatic conditions). After rooting, the Air-Trays with the Jiffy-Pellets are moved to the shade area (with irrigation) for acclimatization to a lower humidity level. At this phase it's very important to start a complete fertilization program. After 15 days a selection and spacing of 50% is made with the rooted cuttings, before they are moved to the growing phase (full sun). At this stage, special care has to be done with

irrigation and fertirrigation of the Eucalyptus cuttings, in order to promote a sturdy plant. This phase lasts approximately 20 to 25 days. The next step is the hardening phase, where fertilization is reduced, and can last 15 to 20 days. Plants are ready to be transplanted to the field.

There are many technical and operational advantages of using Jiffy-Pellets compared with regular rigid plastic containers filled with different mixtures of substrates.

#### Technical Advantages:

- Always a uniform and consistent substrate mixture specially designed for propagation;
- Easy to handle at sticking and nursery stations;
- Due to a good substrate mixture and 100% air-pruning surface of the Jiffy-Pellets a better "micro-environment" around the base of cuttings will promote better rooting;
- No clumping of roots at the base;
- Very positive "air-pruning" of roots increases root branching;
- Very high root count;
- Young vigorous roots (Physiological active roots);
- Well distributed roots (Better architecture of the root system);
- Quicker establishment and growth in the field after transplant;
- Better anchorage of the trees in the field during storms.

#### Operational Advantages:

- No concern of choosing / buying / mixing / controlling quality of substrates for rooting;
- No machinery needed for grind, mix and distribute (fill up containers);
- A one-way container concept allows no need to ship, bring back, wash and reassemble of the containers at the nursery;
- More uniform propagation system all year long;
- Less labor needed;
- Strong "root-ball" for mechanical transplantation;
- Less time needed to produce a better cutting, allows more production cycles/year.

**For further information or to arrange a trial of the Jiffy -7 Forestry Eucalyptus, please contact your territory manager or use the contact options below.**

Jiffy-7 Forestry pellets are a ready to be used propagation media and container in one and are an excellent solution for rooting of Eucalyptus cuttings.

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**Jiffy®**

*It's all about the roots*

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