



# INITIATOR<sup>®</sup>

## Technical Information

**From little things big things grow.**

Initiator is a combination of the systemic insecticide, imidacloprid, with a controlled release fertiliser in a convenient, easy-to-handle tablet.

So as well as providing long-lasting protection against various damaging insects in eucalypt seedlings, Initiator also encourages more reliable and stronger growth. It is designed to be placed in the planting hole during transplanting of seedlings so that the growing plant can take up the fertiliser and insecticide.



### Target pests

- African black beetle
- Chrysomelid leaf beetles
- Psyllids
- Gum tree scale
- Heteronyx spring beetle

### Areas of use

Registered for use in all States and with all eucalypt species

### Key features:

- ✓ Protects eucalypt seedlings against the damage caused by sucking, defoliating, stem damaging and root feeding pests
- ✓ Provides significant growth enhancement of the seedling - leading to faster and more reliable establishment of the tree
- ✓ Highly targeted application of insecticide. Protection is delivered directly into the tree with no risk of drift and no direct impact on beneficial or non-target insects.
- ✓ Fertiliser is delivered directly into the area of optimal uptake by the plant.
- ✓ No risk of surface run-off from fertiliser granules applied to the surface.
- ✓ Provides long-term protection - trials show insect protection is conferred for up to two years (depending on growth rates and conditions)
- ✓ Reduced pest monitoring requirements provided by long-term protection
- ✓ No mixing required
- ✓ High level of safety in use
- ✓ 'Synergistic' result from imidacloprid and fertiliser combination.

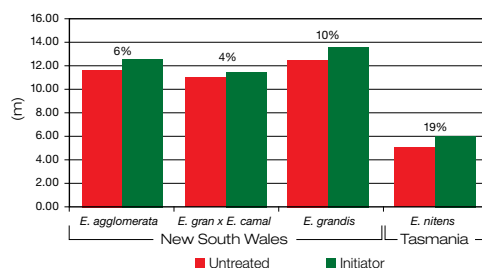
### Application rate and delivery

Apply one tablet beneath or adjacent to the root zone of the seedlings.

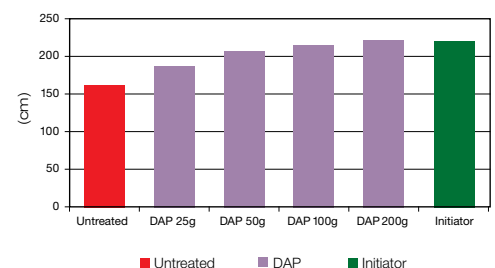
### Comments on application

Adequate soil moisture is required to ensure effective uptake of imidacloprid and the fertiliser. The tablet will be less effective under dry soil conditions.

**A comparison of the improvement of tree height, through use of Initiator, for several eucalypt species after five years.**



**A comparison of the impact on seedling growth of using one Initiator tablet at planting compared to various rates of standard post-plant fertiliser.**



Through market leading Research and Development; Bayer Environmental Science is committed to providing quality, highly effective, low risk and environmentally sustainable solutions for insect, disease and weed management.

### Recommended areas of use:

- ☑ For broadacre application, in plantation forestry, in areas where insect damage is known to be a significant limitation on tree establishment and growth.
- ☑ Buffer zones within plantations or other areas that cannot be sprayed.
- ☑ In areas of high public visibility, where insect damage is expected but aerial application is not desired.
- ☑ In potted-eucalypt production nurseries (e.g. advanced trees) to provide extended protection against insect damage through the production cycle, resulting in trees which are healthier and stronger.
- ☑ In landscape, park or cityscape plantings when a high level of confidence in seedling establishment and survival is required.



No Initiator.  
Standard fertiliser mix used.

Initiator used.  
No additional fertiliser used.

### Product profile

#### Active ingredient information:

Imidacloprid

#### Chemical Group:

Chloronicotinyl

#### Formulation type:

Tablet

#### Pack size available:

3kg (1200 tablets). Also available as a 9kg carton containing 3x3 kg packs.

### Product safety

#### Personal protective equipment required:

Wear waterproof gloves when handling.

No products produced by Bayer have been shown to be carcinogenic, teratogenic or mutagenic.

### Regulatory information

**APVMA Approval number:** 60391

**Poisons Schedule:** 5

#### Impact on the environment

Leaching studies carried out with the tablet under a range of extreme conditions, with various soil types, showed that leaching of imidacloprid through the soil from use as a tablet is negligible.

All pesticides are regulated under the Agricultural and Veterinary Chemicals Act to ensure that they do not pose an unacceptable risk to human health and the environment.

For more information regarding pesticide regulatory process please visit the Australian Pesticides and Veterinary Medicines Authority website at: [www.apvma.gov.au](http://www.apvma.gov.au)



Bayer Environmental Science

**ALWAYS READ AND FOLLOW THE REGISTERED PRODUCT LABEL PRIOR TO USE.**

Initiator® is Registered Trademark of Bayer.

For more information on INITIATOR contact Bayer Environmental Science [www.bayeres.com.au](http://www.bayeres.com.au)

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