Merit Forest
The ultimate systemic Pine Weevil control

Benefits of using Merit Forest
- On label approval for control of Large Pine Weevil
- Overcomes insect resistance
- Does not leach out
- Extra protection from further infestations
- Fast dispersing granule for easy mixing and drenching, which allows for even application
- New growth is protected

“Merit Forest protects the plants and assures a good regeneration of the forest”

Christer Toft, Managing Director, Spångens Handelsträdgård AB. Working actively with Merit Forest since 2005.
Alba Trees is one of the only nurseries in the UK to have a mechanical spray race for the application of insecticide.

Merit Forest is a water-dispersible granule formulation containing 70% w/w of the insecticide imidacloprid.

How it works
The active ingredient of Merit Forest, Imidacloprid, is a chloronicotinyl insecticide that disrupts the nervous system of insects but not mammals. It acts by both contact and systemic action. Merit Forest is highly systemic and aerial parts are protected from foliar attack via root uptake and distribution through the tree or plant. After ingestion, the feeding and breeding activity of susceptible species is reduced and death follows. Although initial knockdown of the adults is not always rapid, plant damage is minimised very quickly. In young forestry seedlings, Merit Forest reduces the gnawing damage caused by Hylobius Abietes (Large Pine Weevil), a preplanting spray or drench significantly reduces seedling mortality in the key establishment first planting season. Merit Forest is a class of insecticide which controls insects known to be resistant to pesticides based on organophosphorus, carbamate, pyrethrum and pyrethroid active ingredients.

Mode of action
- Imidacloprid acts by interfering with the transmission of nerve impulses insects. Like acetylcholine, the naturally occurring signal substance.
- Imidacloprid stimulates certain nerve cells by acting on a receptor protein. In contrast to acetylcholine, which is quickly degraded by enzyme acetylcholinesterase, Imidacloprid is not cleaved by this enzyme.
- The product’s action disrupts the operation of the insect’s nervous system which results in its death.
- Imidacloprid is hydrophilic – which means that it will always be soluble in water.

Features and benefits
- Full on label approval for control of Large Pine Weevil on forestry seedlings. The treatment is protected prior to the forestry seedlings being planted out in forestry plantation.
- Overcomes insect resistance to organophosphorus, carbamate, pyrethrum and pyrethroid products.
- Is only targeted to sucking insect, treated trees will not effect other non target insects.
- Does not leach out and provides some protection from further infestations.
- Fast dispersing granule for easy mixing and drenching.
- New growth is protected.

Did you know?
Merit Forest can also help reduce damage caused by Hylastes insects.

Mechanical spray race for full plant spray
We can offer a full plant spray, where the full height of the tree is drenched or a reduced top-spray over trees fitted with WeeNets (contact our Sales team for further information).

Benefits of Cell Grown Plants on Restock Sites
Extended Planting Season
September and October are ideal months to plant cell grown plants, with both plants and planters benefitting from better weather and longer days.

Ease of Planting
Hand planting is speeded up as the planters do not have to contend with different sized root systems.

Excellent Early Establishment
Rapid early growth also enables the plant to get above the invading weeds - saving time and money on early crop care. This can be supplemented by the application of our specially developed fertiliser, ALBACOTE (contact our Sales team for further information).
**Merit Forest.**

A highly systemic, curative and protectant insecticide for controlling Large Pine Weevil in forestry seedlings.

**Merit Forest** is a water-dispersible granule formulation containing 70% w/w of the insecticide imidacloprid.

**How it works**

The active ingredient of Merit Forest, imidacloprid, is a chemically synthesized material that damages the nervous system of insects but not mammals. It acts by both contact and systemic action.

Merit Forest is highly systemic and aerial parts are protected from foliar attack. Use root spray and distribution through the tree or plant. After ingestion, the feeding and breeding activity of susceptible species is reduced and death follows. Although initial knockdown of the adults is not always rapid, plant damage is minimised very quickly. Although initial knockdown of the adults is not always rapid, plant damage is minimised very quickly.

In young forestry seedlings, Merit Forest reduces the gnawing plant damage is minimised very quickly.

**Features and benefits**

- Full on label approval for control of Large Pine Weevil on forestry seedlings. The treatment is protected prior to the forestry seedlings being planted out in forestry plantation.
- Overcomes insect resistance to organophosphorus, carbamate, pyrethrum and pyrethroid products.
- In only targeted to sucking insects, treated trees will not affect other non-target insects.
- Does not leach out and provides some protection from further infestations.
- Fast dispersing granule for easy mixing.
- Does not leach out and provides some protection from further infestations.
- New growth is protected.
- Full on label approval for control of Large Pine Weevil on forestry seedlings. The treatment is protected prior to the forestry seedlings being planted out in forestry plantation.
- Overcomes insect resistance to organophosphorus, carbamate, pyrethrum and pyrethroid products.
- In only targeted to sucking insects, treated trees will not affect other non-target insects.
- Does not leach out and provides some protection from further infestations.
- Fast dispersing granule for easy mixing and application.
- New growth is protected.

**Did you know?**

- Merit Forest can also help reduce damage caused by Hylastes insects.

**Trial results of Merit Forest to protect transplants from feeding damage by large pine weevil (Hylobius abietis).**

Any products which ICL launch in partnership with Bayer are rigorously tested to make sure they provide the best results in the field. With this in mind two trials were conducted on Picea sitchensis (Sitka spruce) in different locations to show the protection provided by Merit Forest provides against Hylobius (Pine Woe) feeding damage.

Treatment were done in April 2012 and right after trees were planted in the field in two areas susceptible of pine weevil infestation.

**Conclusion**

Applied at the recommended rate Merit Forest shows an excellent level of control of Hylobius (Pine Woe) feeding damage. Merit Forest will allow you to grow your products in the knowledge that even in a high volume area of Sitka spruce that only minimum loss or damage will be sustained with most trees seeing no damage at all.
Alba Trees

At Alba Trees we pride ourselves on the quality of our UK cell-grown tree and shrub production and this care goes in to everything we do. From the sourcing of seed through to our passion for environmental responsibility, we provide the best in care for our plants and customers alike.

Alba Trees nursery lies in East Lothian near Edinburgh, enjoying the highest number of sunshine hours in Scotland which promotes excellent plant growth. Our east coast location also exposes our plants to traditional, Scottish winters which helps make them famously hardy and perfect for woodland planting throughout the UK.

Alba Trees and ICL

We believe that producing a quality tree starts from what we use to grow them in and working with ICL provides us with everything we need to grow, nurture and protect our young plants. Through ICL’s Levington Advance Solutions programme we are able to identify the best growing medium, nutrition and protection products which benefit the plants before we send them on to be planted. We also work closely with ICL to look at ways we can reduce peat usage and help us grow even more environmentally responsible plants, whilst using ICL’s pesticides to ensure our trees are free from pests and diseases.

Our Sales team are available to discuss availability and pricing:

Tel 01620 825 058
Email sales@albatrees.co.uk

All information is correct at time of going to press. Any products containing additives must be used within 21 days of delivery. Use plant protection products safely. Always read the label and product information before use. Exemptor contains thiacloprid. Exemptor is a registered trademark of Bayer. ® registered trademark of Everris Ltd and affiliates. Levington is a registered trade mark of Scotts Miracle Gro. Merit Forest contains imidacloprid. Merit Forest is a registered trademark of Bayer CropScience UK Ltd. ISO 9001 Accredited.