



Merit[®]
SOLUPAK

Product

information sheet

// BEST USES

Preventative control of European chafer, Japanese beetle, and black turfgrass ataenius grub larvae. Also provides suppression of European marsh crane fly larvae (leatherjackets).

// KEY STRENGTHS

Merit[®] Solupak is a broad-spectrum systemic insecticide that can be conveniently applied through a ground sprayer. Merit must be incorporated into the soil through rainfall or irrigation following application to be effective. Once absorbed by the roots, imidacloprid moves within the plant to protect it. As grubs feed on the roots they ingest imidacloprid and stop feeding immediately.

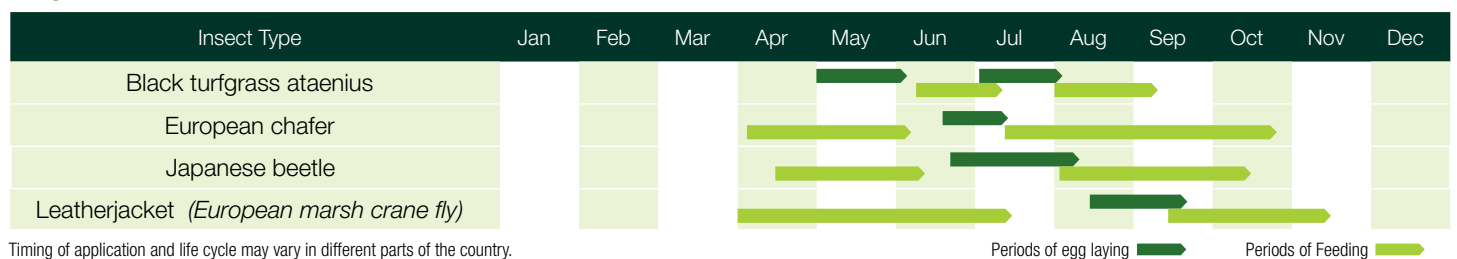
Use enough water to sufficiently wet the top inch of soil. Apply 10 mm of water. This may take approximately 1/2 an hour depending on your irrigation system or sprinkler type. Merit insecticide has sufficient residual activity that allows the application to be made preceding the egg laying activity of the adult grubs. Merit insecticide should be applied prior to the onset of the third larval stage of white grubs, which in most areas will occur around mid-August.

Attributes of Merit

- Proven performance on grubs.
- Wide window of application.
- Strong residual soil activity.
- Low use rates.
- Low risk to applicators and non-target organisms.
- Low environmental impact including low mammalian toxicity.
- Low to no odour.
- First and most effective insecticide in the chloronicotinyl class 4 insecticide group.



Turfgrass Insect Time Profile



// **Active Ingredients**
imidacloprid 0.75%

// **FRAC Code**
4 insecticide

// **Group**
systemic

// **Mode of Action**
wetable powder in water
soluble packets

// **Signal Word**
caution

Merit Solupak Rate Chart

Crop	Pest	Dosage	Remarks
<p>Turfgrass: golf courses, sod farms and lawns (home, business, office complexes, shopping complexes, multi-family residential complexes, airports, cemeteries, parks, playgrounds and athletic fields)</p>	<p>For Control of the Larval Stage: Japanese beetle, European chafer, black turfgrass ataenius</p> <p>For Suppression of the Larval Stage: European marsh crane fly larvae*</p>	<p>10 packets/1.2 ha or 1 packet/1200 m²</p>	<p>For optimum control, make application prior to egg hatch of the target pest(s). Consult your local Agricultural (Horticultural) Advisor for more specific information regarding timing of application.</p> <p>* For suppression of early fall larval stages of crane fly (larvae known as leatherjackets) apply Merit Solupak Insecticide to turfgrass areas known to be infected with leatherjackets. Application timing should commence when adult crane flies take flight in August and September and begin laying eggs.</p>

NOTE: For optimum control, irrigation or rainfall should occur within 24 hours after application to move the active ingredient through the thatch. On golf courses, irrigate treated areas following application. Avoid mowing turf or lawn area until after irrigation or rainfall has occurred so that uniformity of application will not be affected. Apply Merit Solupak Insecticide only once per year as directed by this label. If an application of Merit Solupak Insecticide was applied to a turfgrass area earlier in the summer season for Japanese beetle or European chafer or black turfgrass ataenius, do not re-apply for leatherjacket suppression in the same year.



(L) Stressed turf as a result of white grub activity. (C) Due to lack of root system, turf easily peels back to reveal white grubs. (R) Turf damage in area infested with white grubs due to foraging animals such as skunks and raccoons. Photos: Dr. Rob Golembiewski, and Dr. Paul Giordano – Bayer



Western Canada:
Josey Groenfeld
403.463.2742

Ontario:
Ryan Beauchamp
226.545.0413

Ontario:
Keith Bartlett
226.821.2356

Atlantic Canada
Tim Steen
226.820.5412

Quebec:
Normand Drapeau
514.949.2467

es.bayer.ca 1-888-283-6847 @BayerGolfCA