



# Merit<sup>®</sup>

**Active Ingredient:** imidacloprid

**IRAC Code:** group 4A insecticide

**Systemicity:** systemic

**Formulations:** 2F (flowable), 75 WP (wetable powder), 75 WSP (wetable powder in water soluble packets), 0.5 G (granule), on fertilizer (granule), CoreTect<sup>®</sup> Tree and Shrub Tablets (tablets)

**Signal Word:** caution

## Best Uses

- Preventative control of white grub larvae and other listed surface and subsurface pests on turfgrass and landscape ornamentals, on residential and commercial lawns, golf courses, athletic fields and sod farms
- Merit<sup>®</sup> is also effective at controlling billbugs, European crane flies and small mole cricket nymphs, as well as other listed turf pests
- Additionally, Merit 2F, 75 WSP, 75 WP and CoreTect Tree and Shrub Tablets are effective on invasive pests, such as emerald ash borer and hemlock woolly adelgid

## Attributes Of Merit

- Merit has been the standard in preventative grub control for nearly 20 years
- Merit provides outstanding residual control of numerous ornamental pests
- Provides foliar and/or systemic, broad-spectrum control
- Available in multiple formulations

## How To Use Merit

- Apply Merit in May through August for preventive grub control on turfgrass and landscape ornamentals on residential and commercial lawns, golf courses, athletic fields and sod farms
- In landscape ornamentals and trees, including fruit and nut trees, apply Merit as a foliar spray application for control of numerous pests, including whiteflies, emerald ash borers, hemlock woolly adelgids and numerous other listed pests
- Merit insecticide and CoreTect Tree and Shrub Tablets can be used by soil application as directed on trees, shrubs, flowers, and groundcovers in and around the perimeter of buildings, and wooded and forested areas for the control Japanese beetles, aphids, mealybugs and other listed pests

## Key Pests Controlled

### Turfgrass

- White grub larvae (Japanese beetle larvae, Chafers, *Phyllophaga* spp. Asiatic garden beetles, Oriental beetles)
- Annual bluegrass weevils
- Billbugs
- Black turfgrass ataenius
- Cutworms (suppression)
- European crane flies
- Chinch bugs (suppression)
- Mole crickets

### Ornamental Trees, Shrubs and Flowers

- Leaf-feeding beetles (Japanese beetles, emerald ash borers and vine weevil adults)
- Aphids
- Adelgids (including hemlock woolly adelgids)
- Leaf-feeding bugs (including lace bugs, leaf bugs and plant bugs)
- Leafhoppers, planthoppers, sharpshooters (including glassy-winged sharpshooters) and spittle bugs
- Mealybugs
- Psyllids
- Sawfly larvae
- Whiteflies and thrips (foliage only)
- White grub larvae (such as Japanese beetle larvae, Chafers, *Phyllophaga* spp. Asiatic garden beetles, Oriental beetles)

## Application Of Merit 75 WSP On Turfgrass

SITES	PESTS	APPLICATION RATE
<b>Residential lawns</b> <b>Commercial lawns</b> <b>Shopping complexes</b> <b>Multi-family residential complexes</b> <b>Golf courses</b> <b>Airports</b> <b>Cemeteries</b> <b>Parks</b> <b>Playgrounds</b> <b>Sports fields</b>	<b>Larvae of:</b> <b>Annual bluegrass weevils<sup>1</sup></b> <b>Asiatic garden beetles<sup>1</sup></b> <b>Billbugs<sup>1</sup></b> <b>Black turfgrass ataenius<sup>1</sup></b> <b>Cutworms (suppression)</b> <b>European chafer<sup>1</sup></b> <b>European crane flies<sup>1</sup></b> <b>Green June beetles<sup>1</sup></b> <b>Japanese beetles<sup>1</sup></b> <b>Northern masked chafers<sup>1</sup></b> <b>Oriental beetles<sup>1</sup></b> <b><i>Phyllophaga</i> spp.</b> <b>Southern masked chafers<sup>1</sup></b>	<b>1.6 oz (1 packet)</b> <b>per 8,250 - 11,000 sq ft</b>
	<b>Chinch bugs (suppression)<sup>2</sup></b> <b>Mole crickets<sup>3</sup></b>	<b>1.6 oz (1 packet)</b> <b>per 8,250 - 11,000 sq ft</b>

<sup>1</sup>For optimum control, make application prior to egg hatch of the target pest. <sup>2</sup>For suppression of chinch bugs, make application prior to hatching of the first instar nymphs. <sup>3</sup>For control of mole crickets, make application prior to or during the peak egg hatch period. If application is not made prior to egg hatch or when adults or large nymphs are present and actively tunneling, apply Merit 75 WSP Insecticide in combination with a remedial insecticide to minimize damage to turf. Follow label instructions for other insecticides when tank-mixing. Always read and follow label instructions carefully.

## Application Of Merit 75 WSP On Outdoor Ornamentals In Landscape Areas

SITES	PESTS	APPLICATION RATE
<b>Trees</b> <b>Shrubs</b> <b>Evergreens</b> <b>Flowers</b> <b>Foliage plants</b> <b>Groundcovers</b>	<b>Adelgids</b> <b>Leaf-feeding beetles (Japanese beetles, emerald ash borers and vine weevil adults)</b> <b>Leafhoppers, planthoppers, sharpshooters (including glassy-winged sharpshooters and spittle bugs)</b> <b>Mealybugs</b> <b>Psyllids</b> <b>Sawfly larvae</b> <b>Thrips (foliage only)</b> <b>Whiteflies</b>	<b>1.6 oz (1 packet)</b> <b>per 300 gallons of water</b>
	<b>White grub larvae (such as Japanese beetle larvae, chafers, <i>Phyllophaga</i> spp. Asiatic garden beetles, Oriental beetles)</b>	<b>1.6 oz (1 packet)</b> <b>per 8,250 - 11,000 sq ft</b>

**Foliar Applications:**  
Start treatments prior to establishment of high pest populations and reapply on an as-needed basis.

**Broadcast Applications:**  
Mix required amount of product in sufficient water to uniformly and accurately cover the area being treated. Do not use less than 2 gallons of water per 1,000 sq. ft. For optimum control, irrigate thoroughly to incorporate insecticide into the upper soil profile.