

DISCUS™

Nursery Insecticide



FOR BROAD-SPECTRUM FOLIAR AND SYSTEMIC INSECT CONTROL ON ORNAMENTALS, NON-BEARING FRUIT AND NUT TREES IN FIELD AND CONTAINER NURSERIES.

Product Information Bulletin 451

GENERAL INFORMATION

Discus is a high quality, efficacious and cost effective nursery insecticide that provides outstanding insect control. **Discus** is safe on virtually all plant material and offers control of a wide range of insects.

Common Name: Imidacloprid plus Cyfluthrin

Class: Neonicotinoid plus Pyrethroid

Packaging: **Discus** is packaged in 4 x 1 gallon containers

RESTRICTED ENTRY INTERVAL (REI) AND SIGNAL WORD

REI = **12 hours**

Signal Word = **CAUTION**

PERSONAL PROTECTION EQUIPMENT (PPE)

- Long-sleeved shirt and long pants
- Chemical resistant gloves such as barrier laminate or viton (> 14 mil)
- Shoes plus socks

ADVANTAGES OF DISCUS

- Season long control as a drench
- Greater than 28 days control as a spray
- Translaminar activity as a spray
- Very cost effective
- Broad labeling for both plants and insects
- No phytotoxicity
- No odor
- Easy to use flowable formulation
- Labeled for use through chemigation
- Fast knockdown
- Rain-fast within 2 hours as a foliar spray

APPLICATION and RATES

Discus may be applied in field and container nurseries as a drench or foliar spray. Field drenches may be applied as band or broadcast applications, and provide season long control of white grub larvae such as: Japanese beetle, Oriental beetle, chafer complex and other nursery insect pests. **Discus** displays systemic activity as well as contact as a soil application. **Discus** may be used as a soil drench through micro-irrigation, drip irrigation, overhead irrigation, or hand-held or motorized calibration equipment. As a foliar spray, **Discus** exhibits both contact and locally systemic activity and is highly translaminar. The addition of a surfactant may enhance this effect. **Discus** also exhibits acropetal movement; when sprayed to the center of the leaf, **Discus** will move out to the ends of the leaf.

- **Foliar Rate:** 25 - 50 oz. per 100 gallons of water
- **Soil Rate:** 1.14 - 1.91 gallons per acre

INSECTS CONTROLLED

Adelgids	Aphids
Armored Scale (Suppression)	Borers
Japanese Beetles	Chafer Complex
Lacebugs	Leafhoppers (Glassy Winged Sharp Shooter)
Leafminers	Psyllids
Mealybug	Root Weevil Complex
Root Mealybug	Soft Scale
Royal Palm Bugs	Whiteflies
Sawfly Larvae	And more...

See label for complete list of insects controlled.

TANK MIXING

Discus is compatible with all commonly used fungicides, miticides, liquid fertilizers and other insecticides. Check physical compatibility using the correct proportion of products in a small jar if local experience is unavailable.

RESISTANCE MANAGEMENT

When applying insecticides, one should always focus on resistance management. Do not rely on one insecticide, combination of insecticides, or related insecticide classes. When labels permit, make 2 or 3 applications of an insecticide in sequence, then rotate to products with different modes of action. Try to avoid applying the same insecticide to more than one generation of

the pest. This is why it is vitally important to properly detect the problem pest and keep good spray records. Using insecticides correctly also includes proper timing, understanding the pest life cycle, and the stage that each insecticide controls. The appropriate labeled (legal) method of application is also a very important factor to consider. Always read the label and check with local authorities for further information regarding resistance management.

SOIL APPLICATIONS

Pest	Dosage	Remarks
Japanese Beetle Masked Chafer European Chafer Oriental Beetle Asiatic Garden Beetle	3.4 - 5.6 fl. oz. per 1000 sq. ft. or 1.14 - 1.91 gal. per acre	Apply as a uniform band on either side of the row using a band width six (6) inches wider than the actual root ball diameter to is dug. Do not allow bands in adjacent rows to overlap.

FOLIAR APPLICATIONS

Pest	Dosage	Remarks
Adelgids Aphids Leafhoppers Leafminers Mealybug Scale Insects Thrips (suppression) Weevil Complex Caterpillars Many more...	25 fl. oz per 100 gallons of water	Reapply at 14 to 28 day intervals as needed.

Soil Drench for Field and Container Grown Trees and Shrubs (including non-bearing fruit and nut trees)

Pests	Dosage	Remarks
Adelgids Aphids Leafhopper Leafminers Mealybug Scale Insects Weevil Complex Rose Midge Sawfly Larvae Whiteflies	0.75 - 1.5 fl. oz. per inch of trunk diameter or foot of shrub height	Soil Drench: Use a minimum amount of 1 gallon of water per 100 sq. ft. (or 13 fl. oz. per 10 sq. ft.).

