



Talus[®] 70DF

Insect Growth Regulator



Special Solutions. For Specialty Markets



Use Sites:

- Greenhouses
- Shadehouses
- Outdoor nurseries
- Outdoor landscape plantings
- Greenhouse tomatoes

Formulation:

70% Dry Flowable

Packaging:

3 pound container

Active Ingredient:

Buprofezin

Chemical Class:

Buprofezin

Mode of Action (MOA Code):

Inhibitor of chitin biosynthesis (16)

Rate:

6 - 14 oz. per 100 gallons

Restricted Entry Interval (REI):

12 hours

Application techniques:

Apply as a thorough cover spray. Spray foliage and stems to run-off.

Application timing:

Begin application at first sign of pest pressure. Talus is only active on juvenile and immature life stages so early applications are necessary for optimal control.

Tender & Tenacious!

Talus Insect Growth Regulator (IGR) tenaciously pursues target pests while providing tender safety to crops and beneficial insects. For the most effective control of whiteflies, mealybugs, scale, plant- and leafhoppers (such as glassy-winged sharpshooters) on outdoor and greenhouse ornamentals... include Talus in your IPM and resistance management programs.

Classified as a chitin synthesis inhibitor, Talus disrupts molting by blocking the formation of chitin, the building block of insect exoskeleton. The exoskeleton, the insect's skin and bones, must be absorbed and then re-formed during each successive molt. Without the ability to synthesize chitin, molting is incomplete, resulting in malformed pests that soon die.

Talus delivers toxicity to pests via contact, ingestion and vapor activity. There is little or no systemic movement of Talus in plants. However, its vapor activity allows Talus to reach leaf undersides where many pest species dwell, and it helps protect new growth. In addition to its primary mode of action, Talus also suppresses egg-laying and causes egg sterilization in treated adults through secondary hormonal activity.

Features of Talus Insect Growth Regulator are:

- Outstanding efficacy on difficult to control insects like scale and mealybug
- Delivers toxicity to pests via contact, ingestion and vapor activity
- Excellent crop safety—even poinsettias in color!
- Safe to most beneficials
- Unique mode of action on key pest group
- Highly compatible with IPM and resistance management programs

Insects Controlled

Whiteflies

- Silverleaf whitefly
- Sweet potato whitefly
- Greenhouse whitefly
- Ash whitefly
- Bonded wing whitefly

Mealybugs

- Grape mealybug
- Vine mealybug
- Citrus mealybug
- Comstock mealybug
- Longtailed mealybug
- Mexican mealybug
- Obscure mealybug
- Pink hibiscus mealybug
- Gill's mealybug
- Striped mealybug

Plant- and Leafhoppers

- Eastern grape leafhopper
- Glassy-winged sharpshooter
- Variegated leafhopper
- Western grape leafhopper
- Cherry leafhopper
- Potato leafhopper
- Brown planthopper
- White apple leafhopper

Scales

- Soft Scales
 - Citricola scale
 - Barnacle scale
 - Black scale
 - Brown soft scale
 - False oleander scale
 - Hemispherical scale

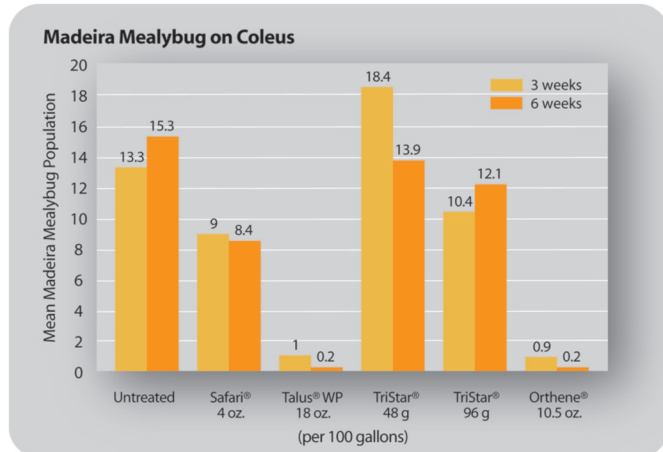
- Indian wax scale and other wax scales
- Tessellated scale
- White peach scale
- Armored Scales
 - Boisduval scale
 - Cactus scale
 - California red scale
 - Coconut scale
 - Fern scale
 - Florida red scale
 - Oystershell scale
 - San Jose scale
 - Margarodid scale
 - Cottony cushion scale

Pear psylla

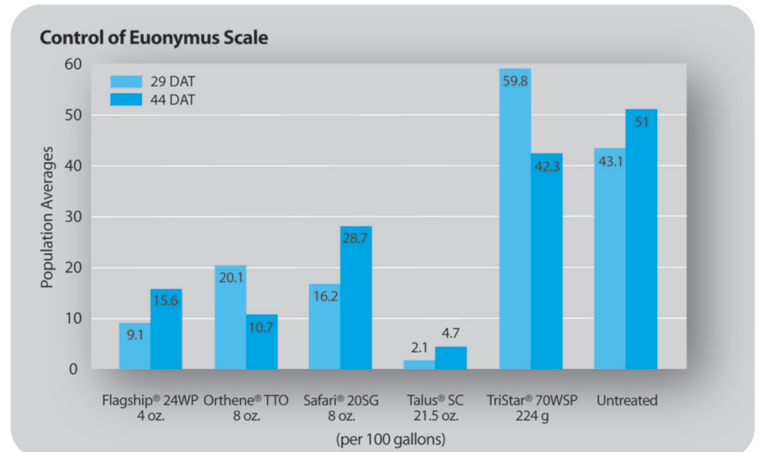


Application Information

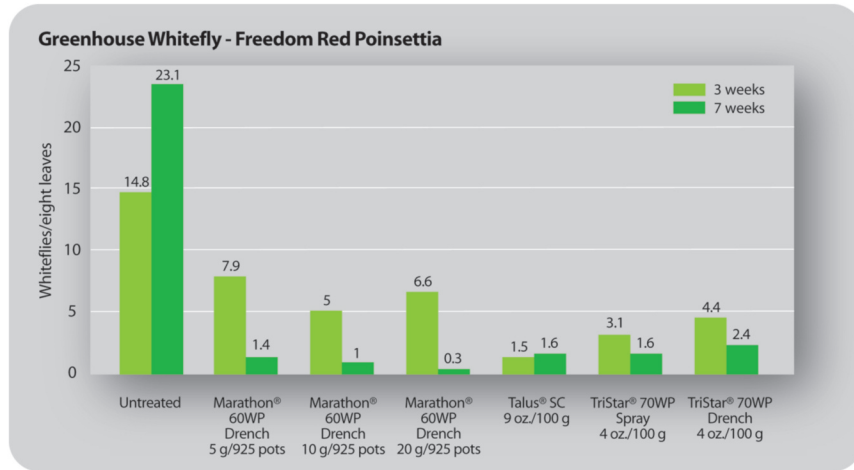
Talus is an Insect Growth Regulator, therefore, it has little to no activity on adult insects. Apply Talus at labeled rate for target insect as soon as activity is observed. The oviposition (egg laying) of treated adult females will be suppressed and no viable eggs will be hatched. If control of adult populations is desired, growers should either tank mix or rotate Talus with a proven adulticide.



Equivalent rate of Talus 70DF equals 12 oz. per 100 gallons. Two (2) applications were made, 14 days apart. Oetting, 2005, University of Georgia.



Equivalent rate of Talus 70DF equals 14 oz. per 100 gallons. Two (2) spray applications made 14 days apart. Freiberger, 2005, NJ.



Equivalent rate of Talus 70DF equals 6 oz. per 100 gallons. Single application. Gilrein and Siracusano, 2004, Cornell University.



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