

Shuttle® Miticide

Might Versus Mites™



For fast knockdown and excellent control of Two-spotted and Spruce spider mites in greenhouse ornamentals.

In this age of Integrated Pest Management (IPM), a miticide has to be both effective and have low impact on predatory mites and other beneficial species. SHUTTLE® 15 SC Miticide from Arysta LifeScience is one of the most effective miticides on the market today and it fits well in most IPM programs.

SHUTTLE delivers rapid knockdown and control of two-spotted and spruce spider mites. SHUTTLE is easy on predatory mites, honeybees and other beneficial species. Plus, SHUTTLE features the active ingredient – acequinocyl – with a unique mode of action making it an ideal choice to help manage mite resistance.

When you add it all up, it's easy to see why SHUTTLE is such an exceptional value.

Effects of SHUTTLE on Honeybees, Predators and Beneficial Species

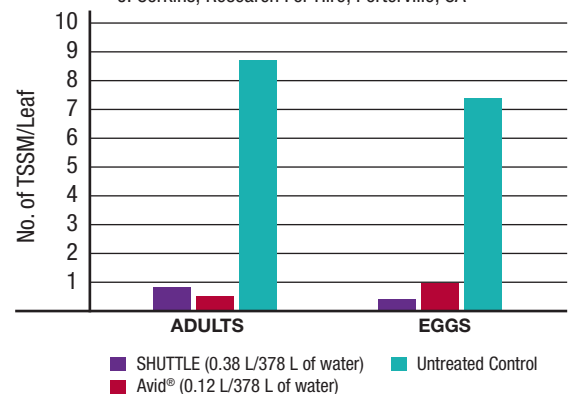
Honeybees	Practically non-toxic
Predatory mites (<i>Typhlodromus pyri</i> , <i>Typhlodromus occidentalis</i> , <i>Zetzellia mali</i> , <i>Amblyseius fallacis</i>)	Little or no impact
Parasitic bees (<i>Encarcia species</i>)	Little or no impact
Spiders	Little or no impact
Earthworms	Little or no impact

How does SHUTTLE compare with your other mite control options?

As you can see from the following charts, SHUTTLE provides excellent contact activity for the control of both two-spotted spider mite (TSSM) and spruce spider mite (SSM) at multiple life stages.

Two-spotted Spider Mite Control in Greenhouse Ornamentals

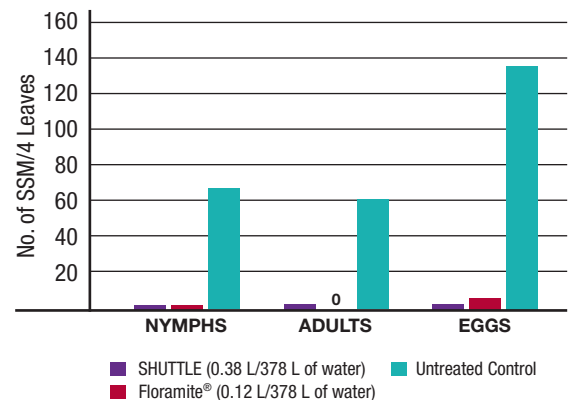
J. Corkins; Research For Hire; Porterville, CA



Application Date: 7/25; Evaluation Date: 8/8; Variety: Dianthus

Spruce Spider Mite Control in Ornamentals

S. Keith; ALLtech Research; Sparta, IL



Application Date: 6/1; Evaluation Date: 6/29; Variety: Alberta Spruce

Application Rates for Ornamental, Floral, Foliage and Nursery Crops in Greenhouses and Shadehouses* (For Roses, see Table 2)

Pest	Rate of Product per 500 Litres of Water	Application Guidelines
Two-spotted spider mite <i>(Tetranychus urticae)</i> Spruce spider mite <i>(Oligonychus ununguis)</i>	0.21 – 0.46 L (0.07 – 0.15 g ai/L of solution)	<ul style="list-style-type: none"> • Apply SHUTTLE when treatment thresholds have been reached, as determined by local monitoring. • Do not apply more than 0.69 kg ai/ha per crop cycle. • Apply a maximum of two applications per year.

*Do not apply SHUTTLE 15 SC to impatiens

Application Rates for Roses (Except Miniature Roses**) in Greenhouses and Shadehouses

Pest	Rate of Product per 500 Litres of Water	Application Guidelines
Two-spotted spider mite <i>(Tetranychus urticae)</i>	0.21 L (0.07 g ai/L of solution)	<ul style="list-style-type: none"> • Apply SHUTTLE when treatment thresholds have been reached, as determined by local monitoring. • Do not apply more than 0.35 kg ai/ha per crop cycle. • Apply a maximum of two applications per year.

**Do not apply SHUTTLE 15 SC to miniature roses

Benefits of new SHUTTLE Miticide.

Along with effective control of two-spotted and spruce spider mites, new SHUTTLE Miticide offers you these other value-added benefits.

- Activity on pest mites at all life stages (eggs, nymphs and adults) offers application timing flexibility
- A unique mode of action with no known cross-resistance to other miticides ensures effectiveness and allows for true miticide rotations
- Little or no impact on predatory mites and other beneficial species makes it an excellent fit for IPM programs
- SHUTTLE 15 SC Miticide has been tested on a variety of plant species with no phytotoxicity observed at label rates (see label for further direction)
- Rapid knockdown activity to stop mite “flare-ups” before they get out of hand
- A Reduced Risk classification for added peace of mind concerning pest management in greenhouse ornamentals
- A Restricted Entry Interval (REI) of only 12 hours will not limit activity in your greenhouse

To learn how SHUTTLE 15 SC Miticide can help improve your mite control program in greenhouse ornamentals, contact your supplier today. And for more information about SHUTTLE, log on to www.arystalifescience.ca/shuttleca or call 1-866-761-9397 toll free.

Restrictions and Limitations

- Since all plant species and their varieties and cultivars have not been tested for tolerance, it is recommended that a small number of plants be sprayed to make certain that no phytotoxicity occurs, prior to any large scale application to plants.
- Do not apply this product through any type of irrigation system.
- Do not use SHUTTLE in successive miticide applications.
- Use SHUTTLE in rotation with other miticides having different modes of action.
- Not for use in or around residential sites.
- For use in commercial greenhouses and shadehouses only on container-grown ornamental, floral, foliage and nursery crops. Do not use on food crops.

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