

SARISA®

Greenhouse and Nursery Insecticide



An American Vanguard Company

FOR BROAD-SPECTRUM INSECT CONTROL ON ORNAMENTALS
IN THE GREENHOUSE AND NURSERY CROPS

Product Information Bulletin 655

GENERAL INFORMATION

SARISA® contains a novel active ingredient that acts on contact and ingestion providing quick knockdown of target pests and 3 to 4 weeks of residual activity. **SARISA** contains cyclaniliprole in a soluble concentrate formulation used as a foliar spray.

Common Name: Cyclaniliprole

Class: Anthranilic diamide (MOA 28)

GROUP	28	INSECTICIDE
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Packaging: 0.5 gallon (64 fl. oz.) container, 4 per case

RESTRICTED ENTRY INTERVAL(REI) AND SIGNAL WORD

REI = **4 hours**

Signal Word = **CAUTION**

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicator and other handlers must wear:

- Coveralls
- Chemical resistant gloves made of waterproof material (such as, barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyvinyl chloride or viton)
- Shoes with socks
- Protective eyewear

ADVANTAGES OF SARISA

- Quick knockdown
- 3 - 4 weeks residual control
- 4 hour REI
- Compatible with Biological and Integrated Control Programs

MODE OF ACTION

SARISA is both a contact and translaminar insecticide affecting the nerve and muscle systems.

USE SITES

SARISA is for broad-spectrum foliar and drench control of insect pests on ornamental greenhouse and nursery stock. Sarisa may also be used on greenhouse grown tomatoes.

INSECTS CONTROLLED

Insects included are (but not limited to):

Adelgids	Loopers
Armyworms	Mealybugs**
Borers (Beetle and Caterpillar)	Plant Bugs
Flea Beetles	Psyllids
Gypsy Moths	Root Weevil Complex (Adults)
Japanese Beetles	Thrips**
Lace Bugs	Webworms
Leafminers	Whiteflies
Leafrollers	White Grubs

** suppression

APPLICATION RATES

SARISA rates range from 10.9 to 27.0 fl. oz. per 100 gallons depending on the target pest. Refer to the label for specific rates. For heavy pest infestations and maximum residual control use the high label rates and include an appropriate spray adjuvant. As a drench, Sarisa will assist with control of soil-dwelling pests, such as white grubs, that feed on the roots and stems of these plants.

TANK MIXING

SARISA has been found to be compatible with all commonly used fungicides, miticides, liquid fertilizers and other insecticides. It is recommended, however, to check compatibility if local experience is not available. Do not leave **SARISA** in a tank overnight. Mix only what you will use immediately. The use of a high-quality adjuvant at a rate of 0.025% to 0.1% on a volume to volume basis may improve performance.

RESISTANCE MANAGEMENT

Some insect pests are known to develop resistance to products used repeatedly for insect control. **SARISA** is an anthranilic diamide insecticide (MOA 28) and affects insects through Ryanodine receptor modulation. An insect management program that includes alter-nation or tank

mixes between **SARISA** and other labeled insecticides that have different modes of action and/or control insect pests not controlled with **SARISA** is essential to prevent insecticide resistant insect populations from developing. **SARISA** should not be utilized continuously or tank mixed with insecticides that have shown to have developed insecticide resistance to the target insect pest.

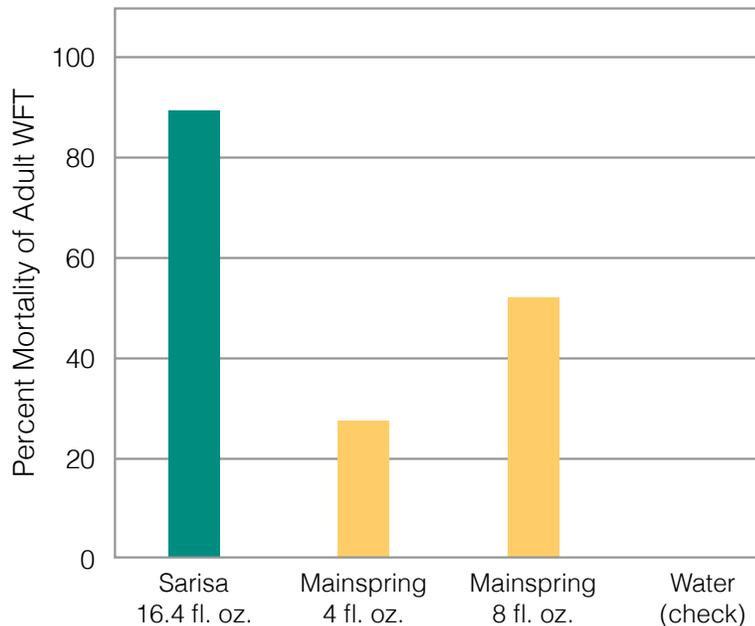
Japanese Beetle (adults) Studies

Laboratory BioAssay Evaluation of cyclaniliprole (Sarisa) for control of Japanese Beetle (adults).

Studies with Japanese Beetle adults (*Popilia japonica*) showed 100 % control of adults feeding on treated leaves after 2 days. Effective rates were 16.4 fluid ounces and higher.

Nottingham, Aigner, Wilson, Morehead, DiMeglio and Kuhar. Virginia Tech, 2015

Control of Western Flower Thrips on Gerbera (Cloyd 2017)



Treatments per 100 gallons, applied March 9, data recorded March 15 – 6 days

Use of Sarisa according to the labeling is subject to the use precautions and limitations imposed by the label affixed to the container of Sarisa. It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Always read product label prior to product use.

Sarisa is a trademark of Ishihara Sangyo Kaisha, Ltd.

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An American Vanguard Company

5151 McCrimmon Pkwy.
Suite 275
Morrisville NC 27560
Technical Service: 800-356-4647
ohp.com