

THURICIDE® N/G

BIOLOGICAL INSECTICIDE



FOR CONTROL OF CERTAIN INSECT LARVAL PESTS ON ORNAMENTAL PLANTS (FOLIAGE AND FLOWERING PLANTS, CUT FLOWERS, GREENS, SHRUBS) HERBS, SPICES, VEGETABLES, MELONS, STRAWBERRIES, OTHER FOOD CROPS, AND NURSERY STOCK (INCLUDING BEARING AND NONBEARING FRUIT TREES AND GRAPEVINES)

Product Information Bulletin 905

GENERAL INFORMATION

Thuricide® N/G is a naturally occurring bacteria that infects lepidopteran larvae and other insect larvae.

Thuricide N/G biological insecticide contains the bacteria *Bacillus thuringiensis*, a naturally occurring bacteria.

Thuricide N/G contains 70% active ingredient per pound.

Thuricide N/G contains Crytoxins that target the gut of the insect larvae. Once eaten the toxins activate and the insect dies in a few days but usually stop feeding in a few hours.

Common Name: *Bacillus thuringiensis* subspecies *kurstaki* strain SA-12

Class: Microbial insecticide - Exempt

GROUP	UN	INSECTICIDE
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Packaging: 0.5 pound bag, 20 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:

- Long-sleeved shirt and long pants
- Waterproof gloves
- A dust/mist filtering respirator meeting NIOSH standards of at least N-95, R-95, and P-95.
- Shoes plus socks



CAN BE USED FOR ORGANIC PRODUCTION

ADVANTAGES OF THURICIDE N/G

- Approved for organic production
- Controls caterpillars
- Labeled for use on herbs and vegetables
- 0 Day preharvest interval (PHI)
- 4-hour REI
- Little to no effect on beneficial insects
- Natural fit with IPM programs

PRODUCT APPLICATION TIPS

- Apply before high populations of insects or when they are expected.
- Spray with enough volume to penetrate foliage for good coverage.
- **Make a minimum of two applications, 3 to 5 days apart.**
- Store **Thuricide N/G** in its original container. **Thuricide N/G** is very stable in upopened package for 2 years under normal storage conditions (below 90 F).
- For best results use a spreader sticker at the suggested labeled rates.

MODE OF ACTION

Thuricide N/G attacks the larval gut and must be eaten by the insect to be effective. After eating **Thuricide N/G**, the larvae stop feeding and die within 2 to 3 days.

USE SITES

Thuricide N/G may be used in greenhouse and other covered structures (including lathe and shade houses), and nurseries. Plants may be potted, grown in the soil or in soilless mixtures, or grown hydroponically.

THURICIDE N/G MAY BE USED ON THE FOLLOWING CROPS

- Ornamentals
- Trees and shrubs
- Citrus, pome and stone fruits
- Cucurbit vegetables
- Nuts
- Bulb, cole and leafy vegetables
- Legumes and fruiting vegetables
- Root and tuber vegetables
- Small fruits and vegetables
- Herbs and spices

INSECT Larvae CONTROLLED Foliar Application

- | | |
|----------------|------------------|
| Cabbage Looper | Leaf Roller |
| Gypsy Moth | Tent Caterpillar |
| Fall Webworm | Tomato Hornworm |

See label for complete list of insects controlled.

APPLICATION RATES

For the suppression of light to moderate infestations, apply at the first sign of egg laying or newly hatched larvae (1st and 2nd instar larvae). Reapply at 3 to 5 day intervals to sustain larvae suppression or until adequate reduction of larvae population is achieved. Use **Thuricide N/G** under a pest management program that includes close scouting. If heavy larvae populations occur, it may be necessary to apply an insecticide with rapid knockdown and good larvicidal activity as a replacement.

Greenhouse foliar spray rates range from 0.25 to 0.50 lbs. per 100 gallons of water.

The addition of 0.25% solution of Triact® 70 (32 fl. oz. per 100 gal.) will help performance.

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

Read label directions and cautions before use.

Azatin, Thuricide, and Triact are registered trademarks of Certis USA, LLC.

TANK MIXING

Thuricide N/G user should adhere to any applicable restrictions on the tank mix product. If the compatibility of tank mix partners is unknown, mixing a small amount of the products in a clear jar is advised prior to mixing a large tank.

Do not allow dilute sprays to stand in the tank for more than 12 hours.

CHEMIGATION

Do not apply **Thuricide N/G** through any type of irrigation system.

TRADITIONAL PROGRAM

Foliar feeding caterpillars

Application	Product	Foliar Sprech Rate per 100 gallons
Day 1	Thuricide N/G + Triact® 70	0.50 lbs. + 32 fl. oz.
Day 3		Repeat
Day 7		Repeat

Expanded foliar insect control

Application	Product	Foliar Sprech Rate per 100 gallons
Day 1	Thuricide N/G + Azatin® O + Triact® 70	0.50 lbs. + 10 fl. oz. + 32 fl. oz.
Day 3		Repeat
Day 7		Repeat



PO Box 746
Bluffton, SC 29910-0746
Technical Service: 800-356-4647
ohp.com