

INSECTICIDES FOR LEAFMINERS IN ONIONS AND RELATED CROPS THAT MAY BE EFFECTIVE AGAINST ALLIUM LEAFMINER (*PHYTOMYZA GYMNOSTOMA*)

Labeled crops noted with days to harvest (DTH)

Crop subgroups with listed crops taken from labels and also found at <http://ir4.rutgers.edu/other/CropGroup.htm>

Trigard (cyromazine): leafminers *Not for use in Nassau and Suffolk Counties, NY*

Bulb Vegetables crop group (7 DTH)

Some of the crops in this group are: garlic, great-headed (elephant) garlic, leek, dry bulb onion, green onion, potato onion, tree onion, Welsh onion, rakkyo, and shallot.

Scorpion (dinotefuran): for leafminers and others *Not for use in NY State*

Onion, bulb and green (subgroups 3-07A and 3-07B) (1 DTH)

Bulb onion, includes: Daylily, bulb; Fritillaria, bulb; Garlic, bulb; Garlic, Great-headed, bulb; Garlic, serpent, bulb; Lily, bulb; Onion, bulb; Onion, Chinese, bulb; Onion; pearl Onion; potato, bulb; Shallot, bulb; Cultivars, varieties and/or, hybrids of these

Green onion, includes:

Chive, fresh leaves; Chive, Chinese, fresh leaves; Elegans hosta; Fritillaria leaves; Kurrat; Leady's leek; Leek; Leek, wild; Onion, Beltsville bunching; Onion, fresh; Onion, green; Onion, macrostem; Onion, tree, tops; Onion, Welsh tops; Shallot, fresh leaves; Cultivars, varieties and/or hybrids of these

Radiant SC (spinetoram): dipteran leafminers and others

Bulb Vegetables (Crop Group 3) (1 DTH)

Bulb vegetables: bulb onion, garlic, great-headed (elephant) garlic, green onion, leek, shallot, Welsh onion

Herbs (Subgroup 19A) (1 DTH)

Includes: chive, chive (Chinese)

Mustang, Mustang Maxx (and OLF) (zeta-cypermethrin): leafminers (adults)

Bulb Vegetables (*Allium* spp.) (7 day PHI)

Including: Garlic; Garlic, Great-Headed (elephant); Green Eschalots; Japanese Bunching Onions; Leeks; Onion, Dry Bulb and Green; Onion, Welch; Shallots, Dry Bulb and Green; Spring Onion or Scallions

Warrior II (and OLF) (lambda-cyhalothrin): Leafminer species (adults)

Onion (bulb) and Garlic (14 DTH)

For Organic Growers

Aza-Direct (and OLF) (azadirachtin): Leafminers

verify label crops and uses – some variation among products and some may not be organic-compatible

Bulb Vegetables (0 DTH)

Such as: Garlic, Leek, Onion (dry bulb, green and Welch), Shallot

Entrust SC (spinosad): organic-compatible, for dipteran leafminers and others

Bulb Vegetables (Crop Group 3) (1 DTH)

Bulb vegetables: dry bulb onion, garlic, great-headed (elephant) garlic, green onion, leek, shallot, welch onion

Herbs (Subgroup 19A) (Insect Suppression) (1 DTH)

Includes: chive, chive (Chinese)

*Products not specifically labeled for *Phytomyza gymnostoma* but may be effective (in some states label wording may restrict use for labeled pests only – verify approved uses in your state)*

Agri-Mek SC (or OLF) (abamectin): for *Liriomyza* leafminers and thrips. Include adjuvant per label

Herb Crop Subgroup (Crop Subgroup 19A) (7 DTH)

Including Chives, Chives (Chinese)

Onion, Bulb (Crop Subgroup 3-07A) (30 DTH)

Crops in this group are: onion, bulb including daylily, bulb; fritillaria, bulb; garlic, bulb; garlic, great-headed, bulb; garlic, serpent, bulb; lily, bulb; onion, Chinese, bulb; onion, pearl; onion, potato, bulb; shallot, bulb; cultivars, varieties, and/or hybrids of these.

Exirel (cyantraniliprole): Leafminer (*Liriomyza* spp.) and thrips. Include adjuvant per label *Not for use in Nassau and Suffolk Counties, NY*

Bulb Vegetables, (EPA Crop Group 3-07) (1 DTH)

Chive, fresh leaves; Chive, Chinese, fresh leaves; Daylily, bulb (edible); Elegans hosta (edible); Fritillaria, leaves (edible); Garlic, bulb; Garlic, great headed, bulb; Garlic, serpent, bulb; Kurrat; Lady's leek; Leek; Leek, wild; Lily, bulb; Onion, Beltsville bunching; Onion, bulb; Onion, Chinese, bulb; Onion, fresh; Onion, green; Onion, macrostem; Onion, pearl; Onion, potato, bulb; Onion, tree, tops; Onion, Welsh, tops; Shallot, bulb; Shallot, fresh leaves

This information is presented with the understanding that no product discrimination is intended and no endorsement of any product mentioned or criticism of unnamed products implied. Trade names used are for convenience only. This list is not a substitute for pesticide labeling. Always read and understand the product label before using any pesticide.