Onions and Garlic

DuPont Crop Protection
Labeled Insecticides and Fungicides
California
Lannate® SP insecticide*

Onions (green and dry bulb)

- Methomyl (common name)
- Carbamate (chemical class)
- Group 1A (insecticide group)
- 90% WSP (water soluble powder)
- REI: 48 hours
- PHI: 7 days
- Application Methods: Ground, Air or Chemigation (overhead sprinkler)

Labeled Pests and Rates:
- Beet Armyworm: 0.5 to 1.0 lb/ac
- Variegated cutworm: 1.0 lb/ac
- Black cutworm: 1.0 lb/ac
- Thrips:** 1.0 lb/ac
  (Max 6 lbs. / 8 apps)

* Restricted Use Pesticide
** Lannate® SP may be applied by overhead sprinkler chemigation for thrips control
Lannate® SP insecticide*

Garlic

- Methomyl (common name)
- Carbamate (chemical class)
- Group 1A (insecticide group)
- 90% WSP (water soluble powder)
- REI: 48 hours
- PHI: 7 days
- Application Methods: Ground, Air

- Labeled Pests and Rates:
  - Beet Armyworm: 0.5 lb/ac
  - Max 3 lbs. / 6 apps.

* Restricted Use Pesticide
Vydate® L insecticide/nematicide

Onions (dry bulbs only)
- Oxamyl (common name)
- Carbamate (chemical class)
- Group 1A (insecticide group)
- 2.0 lb ai/gal WSL (water soluble liquid)
- REI: 48 hours PHI: 14 days

Application Methods and Pests:
- Nematodes†
  - At-Plant In-Furrow Spray: 4.0 to 8.0 pt/ac
  - Postemergence: 1 4.0 to 8.0 pt/ac
    - Soil surface band application
    - Soil shank injection
    - Chemigation (pressurized sprinkler systems)

- Onion thrips, Western flower

* Restricted Use Pesticide
† Stubby Root, Stem, Bulb Nematodes

Available in 2.5 gallon jugs

*For nematodes make 2 to 3 applications by ground or chemigation on a 14 to 21 day interval
1 Apply in 20-40 GPA as a 1 to 2 inch band placed on soil surface at base of the plants
2 Soil shank application must be made to moist soil and be followed as soon as possible with sprinkler or furrow irrigation water to activate Vydate® L
3 For thrips, apply before populations begin to build (1 to 3 thrips per plant). Repeat applications may be needed on a 7 to 10 day spray interval
Coragen® insecticide

Bulb Vegetables

- Chlorantraniliprole (common name)
- Anthranilic diamide (chemical class)
- Group 28 (insecticide group)
- 1.67 lbai/gal SC (suspension concentrate)
- REI: 4 hours PHI: 1 day
- Rates: 3.5 to 5.0 floz/ac (0.045 to 0.065 lbai/ac)
- Application Methods: Foliar Applications (Ground, Air)
- Labeled Bulb Vegetables:
  - Onion, bulb Subgroup: 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.
- Labeled pests: beet armyworm, Western yellowstriped armyworm

Available in 1 Gallon and 1 Quart containers
Tanos® fungicide

Vegetable Crops

- Famoxadone + Cymoxanil (actives)
- 50% WDG (formulation)
- Group 11 + 27 (fungicide groups)
- Ground, Air or Chemigation
  - Use only in combination with labeled rates of an appropriate protectant fungicide (e.g. mancozeb, Kocide®, chlorothalonil)

- Bulb Vegetables (8.0 oz/ac)
  - Downy Mildew
Kocide® 3000 fungicide/bactericide

Bulb and Root Vegetables

- Copper Hydroxide (A.I.)
- 46.1% DF (formulation)
  - 30% metallic copper equivalent
- Group M1 (fungicide group)
- Caution (signal wording)

- Onion/Garlic/Leek (0.75 - 1.5 lb/ac)
  - Bacterial Blight, Downy Mildew, Purple Blotch

The best copper protection ....is now even better!
Fontelis™ fungicide

Formulation, Labeling, Activity

- Formulation: 1.67 lb/gal SC (penthiopyrad)*
  - SDHI (SDH-inhibiting fungicide)
  - Group 7 (FRAC Group)
- Labeled on vegetables, small fruits, tree fruits, tree nuts
- Broad spectrum control of foliar and soilborne diseases
- Application and harvest flexibility
  - Apply by ground, air, and chemigation
  - Minimum PHI (3 days) and broad MRLs
Fontelis™ fungicide

Fungicidal Attributes

Bulb group - Onions & Garlic

- High potency / Single molecule product
- Translaminar movement
- Pre-infection protectant and post-infection “kick-back” activity
- Excellent rainfastness
- Higher yields and improved quality
Fontelis™ fungicide

Fungicidal Attributes

Bulb group - Onions & Garlic

Botrytis
purple blotch*, powdery mildew*, stemphylium
leaf blight, and stem rot* (*not CA)

Label additions submitted for Fontelis™

• Garlic Rust
• White Rot
The information presented is informational only and does NOT replace the legal uses, guidelines, and directions for use contained in the product’s section 3 label and national supplemental labels, including active 24c & 2ee labels. Read & carefully note the cautionary statements and other information on the product(s) label(s) before use.

Always read and follow the label directions of all products.

Log onto http://cropprotection.dupont.com for up-to-date DuPont Vegetation Mgmt product labels & MSDS’s.