

# **POME FRUIT - MAGGOT APPLE, CODLING MOTH, ETC.**

## General Information

### RESISTANCE MANAGEMENT

Danitol 2.4 EC Spray contains a Group 3 insecticide. Insect biotypes with acquired resistance to Group 3 insecticides may eventually dominate the insect population if Group 3 insecticides are used repeatedly in the same field or in successive years as the primary method of control for targeted species. This may result in partial or total loss of control of those species by Danitol 2.4 EC Spray or other Group 3 insecticides.

To delay insecticide resistance consider:

- Avoiding the consecutive use of Danitol 2.4 EC Spray or other Group 3 insecticides that have a similar target site of action, on the same insect species.
- Using tank mixtures or premixes with insecticides from a different target site of action Group as long as the involved products are all registered for the same use and have different sites of action.
- Basing insecticide use on a comprehensive Integrated Pest Management (IPM) program.
- Monitoring treated insect populations for loss of field efficacy.
- Contacting your local extension specialist, certified crop advisors and/or manufacturer for insecticide resistance management program and/or IPM recommendations for the specific site and resistant pest problems.

For further information or to report suspected resistance, you may contact Valent U.S.A. Corporation at the toll free number: 1-800-682-5368.

### CROP ROTATION

There are no restrictions on rotational crops.

### MIXING INSTRUCTIONS

Danitol 2.4 EC Spray mixes readily with water. When tank mixing, all applicable directions, restrictions and precautions on the EPA registered labels are to be followed.

### RESISTANCE MANAGEMENT

Some insects are known to develop resistance to products used repeatedly for control. Because the development of resistance cannot be predicted, the use of this product should conform to resistance management strategies established for the use area. Consult your local or state agricultural authorities for details.

If resistance to this product develops in your area, this product or other products with similar mode of action, may not provide adequate control. If poor performance cannot be attributed to improper application or extreme weather conditions, a resistant strain of insect may be present. If you experience difficulty with control and resistance is a reasonable cause, immediately consult your local company representative or agricultural advisor for the best alternative method of control for your area.

#### RESTRICTIONS AND LIMITATIONS

Do not apply under conditions involving possible drift to food, forage or other plantings that might be damaged or the crop thereof, rendered unfit for sale, use or consumption.

Do not apply this product through any type of irrigation system. Not for use in or around residential areas.

#### MITIGATION OF SPRAY DRIFT

OBSERVE THE FOLLOWING PRECAUTIONS WHEN MAKING ANY APPLICATION IN THE VICINITY OF AQUATIC HABITATS (SUCH AS, BUT NOT LIMITED TO LAKES; RESERVOIRS; RIVERS; PERMANENT STREAMS; MARSHES OR NATURAL PONDS; ESTUARIES; AND COMMERCIAL FISH PONDS).

#### BUFFER ZONES

##### Vegetative Buffer Strip

Construct and maintain a minimum 10 ft wide vegetative filter strip of grass or other permanent vegetation between the field edge and down gradient aquatic habitat (such as, but not limited to, lakes, reservoirs, rivers, permanent streams, marshes or natural ponds, estuaries and commercial fish ponds).

Only apply products containing Danitol 2.4 EC Spray onto fields where a maintained vegetative buffer strip of at least 10 ft exists between the field and down gradient aquatic habitat.

For guidance, refer to the following publication for information on constructing and maintaining effective buffers:

Conservation Buffers to Reduce Pesticide Losses. Natural Resources Conservation Services. USDA, NRCS. 2000. Fort Worth, Texas. 21 pp.

[http://www.nrcs.usda.gov/Internet/FSE\\_DOCUMENTS/nrcs143\\_023819.pdf](http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs143_023819.pdf)

Buffer Zone for Ground Application (groundboom, overhead chemigation or airblast): Do not apply by ground within 25 ft of aquatic habitats (such as, but not limited to, lakes, reservoirs, rivers, permanent streams, marshes or natural ponds, estuaries and commercial fish ponds).

Buffer Zone for ULV Aerial Applications: Do not apply within 450 ft of aquatic habitats (such as, but not limited to, lakes, reservoirs, rivers, permanent streams, marshes, natural ponds, estuaries and commercial fish ponds).

Buffer Zone for Non-ULV Aerial Applications: Do not apply by air within 150 ft of aquatic habitats (such as, but not limited to, lakes, reservoirs, rivers, permanent streams, marshes or natural ponds, estuaries and commercial fish ponds).

Limitations, Restrictions, and Exceptions

POME FRUITS

SPECIAL INSTRUCTIONS

- Begin applications at delayed dormant through first cover as common to the production area and the target pest.
- Apply by ground with airblast equipment as a full coverage spray or apply by air in a minimum of 10 gals/A and repeat as needed to maintain control but not more often than every 10 days.

Resistance Management:

It is generally recommended that no more than 2 Danitol 2.4 EC Spray applications be made per season as part of a Resistance Management Program. Use non-pyrethroid products at other timings to control pests.

Codling Moth

- Make first application at Biofix + 250 degree days and repeat as needed to maintain control but not more often than every 10 days.

- Make pyrethroid insecticide applications according to local IPM programs and guidelines.

#### Overwintering Pandemis and Obliquebanded Leafrollers

- Apply at pink stage of tree growth.

- Do not apply within 14 days of harvest.

- Do not exceed 2-2/3 pts (42-2/3 fl oz, 0.8 lb ai) total application of Danitol 2.4 EC Spray per acre per season.

- Do not apply as a ULV spray.

- Do not feed or allow livestock to graze on cover crops from treated orchards.

#### Method

[Broadcast/Foliar Air](#)

[Broadcast/Foliar Ground](#)

#### Pre-Harvest Interval

14 days

#### Rates

[field rates 0](#)

[field rates 1](#)

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#### Restricted Entry Interval

24 hours

#### Timings

[At delayed dormant through first cover.](#)