

## **TUBEROUS AND CORM VEGETABLES (LAY-BY) - GRAPE COLASPIS, ROOTWORMS, ETC.**

### General Information

**PEST RESISTANCE:** Pests have demonstrated the ability to develop resistance to continual use of the same product or to products with a similar mode of action. In order to avoid conditions which favor development of pest resistance, follow established resistance management guidelines in your geography as recommended by state agricultural extension personnel and crop consultants. If product performance diminishes and pest resistance is suspected to have developed in your geography, and specifically on your crop, repeated use of this product may not adequately control the target pest. As soon as practical, contact your local crop consultant, agricultural advisor, or company representative to obtain information on alternative pest management strategies in your geography.

### Directions for Application and Mixing

The product is designed to be mixed with liquid fertilizers or with water. Rate of application is variable according to pest pressure, timing of sprays, and field scouting. Use lower rates under light to moderate infestations; higher rates under heavy insect pressure and for mite control. Arid climates generally require higher rates.

Mix product with water or fertilizer in the following manner. Fill the spray tank approximately one-half full with water or liquid fertilizer, add the proper amount of product, and then add the rest of the water or fertilizer. Provide sufficient agitation during mixing and application to maintain a uniform spray mixture.

Applications of this product alone or in recommended tank mixtures, in conjunction with liquid starter or pop-up fertilizers may be used. A jar compatibility test should be performed with the appropriate ratio of Xpedient FC and fertilizer prior to use. Constant agitation should be maintained during mixing and application. If the mixture sits overnight, thoroughly agitate before use.

Apply as a T-band treatment over an open seed furrow, in-furrow with the seed or as a broadcast soil application. Position the spray nozzle behind the planter shoe, in

front of the press wheel centered over the row. Use the crop tables below to determine the product needs per acre. Apply in a minimum of 3 gallons of finished spray per acre.

Cultivation within 10 feet of a water body is prohibited to allow for the growth of a vegetative filter strip.

In New York State this product may not be applied within 100 feet (using ground equipment) of coastal marshes or streams that drain into coastal marshes.

#### Maximum Allowable Use of Bifenthrin Per Acre Per Season

Refer to the individual crop sections for maximum allowable product usage per acre per season. The maximum allowable use must include all registered use patterns including at plant, soil applied, and/or foliar applications for a 12 month period. The 12 month period is to begin upon the initial application to the acre.

#### Limitations, Restrictions, and Exceptions

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Not for use in California.

Apply as one or more soil-directed and incorporated treatments at cultivation or lay-by. Make applications to the drill area and incorporate by cultivation equipment set to throw soil towards the drill area. Apply at a rate of 0.15 to 0.3 pound active ingredient (9.6 to 19.2 fluid ounces) per acre in a minimum spray volume of 10 gallons per acre.

#### RESTRICTIONS

Do not apply more than 0.5 pound active ingredient per acre per season including soil plus foliar applications of all bifenthrin products.

#### Method

[Soil incorporation](#)

#### Rates

[field\\_rates 0](#)

[field\\_rates 1](#)

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Restricted Entry Interval

12 hours

Timings

[Lay-by](#)