

# **FRUIT AND VEGETABLE CROPS : PAK CHOI - CABBAGE MAGGOT - AT PLANTING TREATMENT**

## General Information

### GENERAL PRECAUTIONS

Do not get in eyes, on skin or on clothing. Avoid breathing vapour or spray mist. Handle only with adequate ventilation. See Mixer/Loader and Applicator Precautions for protective equipment requirements. Wash thoroughly with soap and water after handling and before eating or smoking. Immediately remove contaminated clothing and wash separately from other laundry before reuse. Destroy contaminated leather articles, including shoes. Do not apply this product in such a manner as to directly or through drift expose workers or other persons. COMBUSTIBLE. Do not store or use near heat or open flame.

If this pest control product is to be used on a commodity that may be exported to the U. S. and you require information on acceptable residue levels in the U. S., visit CropLife Canada's web site at: [www.croplife.ca](http://www.croplife.ca).

### RESISTANCE MANAGEMENT

For resistance management, please note that Citadel 480 EC Insecticide contains a Group 1B insecticide. Any insect population may contain individuals naturally resistant to Citadel 480 EC Insecticide and other Group 1B insecticides. The resistant individuals may dominate the insect population if this group of insecticides are used repeatedly in the same fields. Other resistance mechanisms that are not linked to site of action but are specific for individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance-management strategies should be followed.

To delay insecticide resistance: Where possible, rotate the use of Citadel 480 EC Insecticide or other Group 1B insecticides with different groups that control the same pests, in a field. Use tank mixtures with insecticides from a different group when such use is permitted. Insecticide use should be based on an IPM program that includes scouting, record keeping, and considers cultural, biological and other chemical control practices. Monitor treated pest populations for resistance development. Contact your local extension specialist or certified crop advisors for

any additional pesticide resistance-management and/or IPM recommendations for the specific site and pest problems in your area. For further information or to report suspected resistance contact Interprovincial Cooperative Limited at 1-204-233-3461.

## Limitations, Restrictions, and Exceptions

### Rates and Directions:

- Ground application only (DO NOT APPLY BY AIRCRAFT). Do not enter treated fields until 1 day after application for pak choi and Chinese cabbages. Do not enter treated fields until 10 days after application for cauliflower, 1 day after application for all other crops. If no granular chlorpyrifos treatment has been used, do not apply more than twice per season to broccoli, cabbages, cauliflower, Chinese cabbages and pak choi, or three times per season to Brussels sprouts. If granular treatment has been used, do not apply more than once per season to broccoli, cabbages, cauliflower, Chinese cabbages and pak choi, or twice per season to Brussels sprouts.
- AT-PLANTING TREATMENT: Apply 210 mL/1000 m of row. Apply one drench spray in 1000 L/ha spray solution, 10 cm on each side of the plant, 7–10 days after seeding or 3 days after transplanting.
- If no granular treatment was used at seeding: For broccoli, Brussel sprouts, cabbages and cauliflower, apply a drench treatment within 3 days of transplanting (after plant recovery) or 7–10 days after seeding. Repeat 21 days after the transplanting drench or 28 days after the seeding drench.

### Method

#### [Broadcast/Foliar Ground](#)

#### Pre-Harvest Interval

15 days

### Rates

#### [field\\_rates 0](#)

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### Timings

#### [At-Plant](#)