

FIELD CROPS (INCLUDING POTATOES): CEREALS - GRASSHOPPERS

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.

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:

- Do not apply more than once per season to barley or wheat. Do not apply within 60 days of harvest. Application is permitted by ground application equipment or aircraft where specified. Do not enter treated fields until 1 day after application. Applications should be made when temperatures exceed 15°C and wind speed is less than 10 kph during late afternoon or early evening. For more information, contact your local district agricultural representative.

- Apply as a broadcast foliar spray. Use the low rate for juvenile grasshoppers and the high rate for adults. Treat adjacent ungrazed and unoccupied areas such as roadsides, rights-of-way and fence lines at the first sign of infestation.

Method

[Broadcast/Foliar Air](#)

[Broadcast/Foliar Ground](#)

Pre-Harvest Interval

60 days

Rates

[field rates 0](#)

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Timings

[When damage first appears.](#)