

# Cimegra insecticide

## technology sheet

horticulture

Powered by the unique IRAC Group 30 mode of action, Cimegra® insecticide is an innovative foliar insecticide for listed vegetable crops<sup>1</sup>, including potatoes, that provides control of prevalent and difficult-to-control chewing insects.

- Unique mode of action that works through contact and ingestion
- Delivers fast knockdown and control growers can count on
- Effective resistance management tool when used in rotation with other insecticide groups

### Active ingredient

Broflanilide – Group 30

### Formulation

Suspension concentrate

### One case contains

2 x 3 L jugs

### Storage

Requires heated storage.

### Colorado potato beetle



Source: BASF

### Crops

Brassica head and stem, fruiting, leaf petioles and leafy vegetables

Potatoes

Sweet potatoes

### Staging

foliar<sup>2</sup>

in-furrow at planting

foliar<sup>3</sup>

pre-plant incorporated

### Pests controlled

#### In brassica head and stem vegetables.

Cabbage looper (*Trichoplusia ni*)  
Diamondback moth (*Plutella xylostella*)  
Flea beetle (*Phyllotreta* spp.)  
Imported cabbageworm (*Pieris rapae*)

#### In fruiting vegetables.

Colorado potato beetle (*Leptinotarsa decemlineata*)  
Tobacco hornworm (*Manduca sexta*)  
Tomato hornworm (*Manduca quinquemaculata*)

#### In leaf petioles and leafy vegetables.

Cabbage looper (*Trichoplusia ni*)  
Diamondback moth (*Plutella xylostella*)  
Flea beetle (*Phyllotreta* spp.)  
Imported cabbageworm (*Pieris rapae*)  
Red-headed flea beetle (*Systema frontalis*)

#### In potatoes.

Colorado potato beetle (*Leptinotarsa decemlineata*)  
Wireworm<sup>4</sup>

#### In sweet potatoes.

Wireworm<sup>4</sup>

<sup>1</sup> Maximum residue limits (MRLs) have not yet been established in key export markets, including the USA, to support foliar application to brassica head and stem, leafy, fruiting and leaf petiole vegetables.

<sup>2</sup> DO NOT apply during the crop blooming period.

<sup>3</sup> Toxic to bees. Avoid application during the crop blooming period. For potatoes only, if applications must be made during the crop blooming period, restrict applications to evening when most bees are not foraging. When using managed bees for pollination services, DO NOT apply during the crop blooming period.

<sup>4</sup> Including *Agriotes obscurus*, *Agriotes sputator*, *Conderus* sp., *Hypnoides bicolor*, *Limoni* sp., *Limoni* sp., *Limoni* sp., *Limoni* sp., *Melanotus cribrulosus*, *Melanotus* sp. and *Selatosomus destructor*.

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## Application rate

**One case of Cimegra insecticide will treat 60 acres (24 hectares) in-furrow and 79 to 118 acres (32 to 48 hectares) with foliar application.**

<b>Brassica head and stem vegetables</b>	Cabbage looper, diamondback moth, flea beetles, imported cabbageworm	50.6 ml/ac (125 ml/ha)
<b>Fruiting vegetables</b>	Colorado potato beetle	50.6 to 75 ml/ac (125 to 187.5 ml/ha)
	Tobacco hornworm, tomato hornworm	50.6 ml/ac (125 ml/ha)
<b>Leaf petioles and leafy vegetables</b>	Cabbage looper, diamondback moth, flea beetle, imported cabbageworm, red-headed flea beetle	50.6 ml/ac (125 ml/ha)
<b>Potatoes</b>	Wireworm <sup>5</sup>	100 ml/ac (250 ml/ha)
	For 90 cm (36") row spacing <sup>6</sup>	2.3 ml per 100 metres of row
	Colorado potato beetle	50.6 to 75 ml/ac (125 to 187.5 ml/ha)
<b>Sweet potatoes<sup>7</sup></b>	Wireworm <sup>5</sup>	100 ml/ac (250 ml/ha)

**Note for potatoes:** Apply the in-furrow spray to uniformly cover the seed pieces and surrounding soil. Do not apply Cimegra to the soil surface of a closed furrow.

## Water volume

For in-furrow use, dilute Cimegra insecticide product in a minimum of 50 L of water per hectare (20 L of water per acre). Use sufficient water to ensure thorough coverage of the seed, seed piece and surrounding seed furrow. For foliar use, ensure thorough coverage of the entire plant.

<sup>5</sup> Do not exceed 100 ml/ac (250 ml/ha).

<sup>6</sup> For different row spacing, see label for calculation.

<sup>7</sup> Refer to product label for specific information on sweet potato application.

## Mixing order

1. Ensure the spray tank is clean before use.
2. Fill the spray tank 1/2 full of water and start agitation.
3. Shake/agitate container well before use.
4. Add the required amount of Cimegra insecticide to the mix tank.
5. Continue agitation while filling the remainder of the spray tank.
6. After use, clean the spray tank according to label precautions.

## Application tips

For foliar application, do not apply during periods of dead calm or when winds are gusty.

Observe spray buffer zones specified on the product label. A vegetative filter strip is required between the field edge and adjacent, downhill aquatic habitats. Refer to product label for more information.

## Resistance management

Insecticide use should be based on an IPM program that includes scouting and record keeping, and considers cultural, biological and other chemical control practices. 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.

## Follow crops

Immediate plant-back is permitted for all labelled crops. A plant-back interval of 30 days is required for all crops not on the label.

## Tank mixes

Cimegra is not compatible with in-furrow fertilizers.

Contact **AgSolutions®** Customer Care or your BASF **AgSolutions** Grower or Retail Representative for more information on supported tank mixes.

**For more information:** Call **AgSolutions** Customer Care at 1-877-371-BASF (2273) or visit [agsolutions.ca/horticulture](https://agsolutions.ca/horticulture).

**Always read and follow label directions.**