

# Closer<sup>TM</sup>

INSECTICIDE  
ISOCLAST<sup>TM</sup>  
ACTIVE

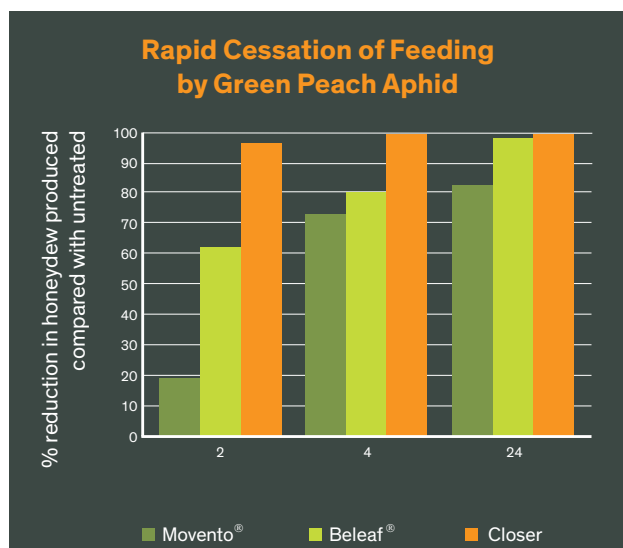


## SUPER-FAST APHID KNOCKDOWN

Fast-acting with extended residual control, Closer insecticide provides unmatched aphid, leafhopper and plant bug control in vegetable, fruit and field crops.

Closer insecticide is the first in a new class of insecticides called sulfoximines, offering growers an effective option against sap-feeding insect populations resistant to other insecticide classes, including neonicotinoids, organophosphates and pyrethroids.

When an aphid outbreak occurs, growers know it's critical to knock them down fast – before they can transmit viruses that will damage both quality and yield.



In lab studies evaluating the cessation of honeydew production, within two hours of treatment, the Closer treatments resulted in 97 per cent less honeydew compared to a non-treated check. Within 4 hours, there was 99 per cent less honeydew production. By 24 hours all honeydew production had ceased. This means that aphids stop feeding quickly, minimizing virus transmission and maximizing yield and quality.

## BUGS CAN'T HIDE FROM CLOSER

At low use rates, Closer offers excellent systematic and translaminar activity. Even pests deep in the plant canopy and on the undersides of leaves can't hide from control with Closer.

## ADD CLOSER TO INTEGRATED PEST MANAGEMENT PROGRAMS

The active ingredient in Closer is Isoclast, the first insecticidal molecule to be commercialized from a new class of insecticides called sulfoximines which are Class 4C insecticides. The molecule is effective on insect populations resistant to other insecticide classes such as neonicotinoids, organophosphates and pyrethroids and will be a valuable rotational partner with other chemistries.

Closer exhibits complex and unique interactions with important receptors in the insect's central nervous system, different from those observed with neonicotinoids. It exhibits no cross-resistance in insects that are resistant to neonicotinoids, a tremendous advantage for managing resistant populations.

Closer is a great addition to Integrated Pest Management programs. Take back control and close the deal fast with Closer.

## CONTROL WHILE MAINTAINING POPULATIONS OF BENEFICIALS

Isoclast is highly selective and has minimal impact on beneficial arthropods, including bees and predators such as lady beetles, pirate bugs, lacewings and parasitic wasps. The spectrum of activity and other properties of Closer insecticide makes it an excellent fit for IPM programs.



Dow AgroSciences

Solutions for the Growing World

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Crop	Pests	Rate	Guidelines
Brassica (cole) Leafy Vegetables	Aphids	100-150 mL/ha	Do not make more than 2 applications per crop. Do not apply more than 300 mL/ha per season.  Do not apply during flowering.
Grapes	Leafhoppers (suppression)	200-400 mL/ha	Do not make more than 2 applications per crop. Do not apply more than 800 mL/ha per season.  Do not apply during flowering
Pome Fruits	Aphids - Green Apple Aphid, Rosy Apple Aphid  San Jose Scale  Woolly Apple Aphid (suppression)	100-200 mL/ha  200-400 mL/ha  200 mL/ha	Do not make more than 2 applications per crops. do not apply more than 800 mL/ha.  Do not apply during flowering.
Root, Tuberous and Corm Vegetables	Aphids	50-150 mL/ha	Do not make more than 2 applications per crop. Do not apply more than 300 mL/ha per season.
Stone Fruits	Aphids - Green Peach Aphid, Mealy Plum Aphid  San Jose Scale	100-200 mL/ha  200-400 mL/ha	Do not make more than 2 applications per crop. Do not apply more than 800 mL/ha per season.  Do not apply during flowering.
Tree Nuts	Aphids  San Jose Scale	100-200 mL/ha  200-400 mL/ha	Do not make more than 2 applications per crop. Do not apply more than 800 mL/ha per season.

Call the Solutions Centre at 1.800.667.3852 or visit [dowagro.ca](http://dowagro.ca) today.