TORRENT



TORRENT FUNGICIDE

The active ingredient in Torrent, Cyazofamid, is a selective fungicide belonging to FRAC Group 21 (QiI fungicides) that is specifically designed to control oomycete diseases such as late blight (Phytophthora spp.) and downy mildews (Peronospora and Plasmopara spp.) in crops including potatoes, tomatoes, grapes, cucurbits, and other vegetables. It works by inhibiting mitochondrial respiration, a unique mode of action that disrupts energy production and stops disease development. This targeted activity makes cyazofamid highly effective against oomycete pathogens while providing an important resistance-management tool due to its lack of cross-resistance with many older fungicide groups.

Key features and benefits of Torrent include excellent preventative activity, strong anti-sporulant effects, long residual control, and outstanding rainfastness, helping protect crops even under challenging disease conditions. Its selective mode of action provides reliable control at low application rates while supporting integrated pest management (IPM) programs through its favorable crop safety and limited impact on beneficial insects and mites. Torrent is particularly valued for managing economically important diseases such as potato and tomato late blight and grape and cucumber downy mildew, helping growers protect yield, maintain crop quality, and improve disease resistance management when used in rotation with fungicides from other FRAC groups.

Active Ingredient:

Cyazofamid 34.5%

Key Crops:

Grapes, cucurbits, carrots, lettuce, tomato, brassica, greenhouse veg., ornamentals

Key Targets:

Downy mildew, late blight, pythium and phytophthora root rots

FRAC Group:

Group 21

Packaging Size:

6 x 1L

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CROP	DISEASE	PHI	REI	RATE	ADDITIONAL INFORMATION
Cucurbits	Downy mildew	1 day	12 hr.	0.15 - 0.2 L in 200 - 600 L of water /ha	Do not exceed 6 applications per season. Alternate applications with a fungicide of different chemistry. Do not exceed 1 spray of group 21 fungicide out of every 3 applications.
Carrots	Cavity spot Root dieback / forking	30 days	12 hr.	0.44 L/ha	Maximum 1 application per season allowed EITHER as a post-plant, pre-emergent application within 3 days after planting OR as a soil-directed spray 14 days after planting.
Spinach	White rust	1 day	12 hr.	0.15 - 0.2 L in 300 - 500 L of water /ha	make applications on a 7 - day schedule beginning when disease is first seen or when conditions favour disease development. Use the low rate for preventative applications or very low disease pressure; use high rate as disease pressure increases.
Beans (snap & lima)	Downy mildew Cottony leak Phytophthora blight	0 days	12 hr.	0.20 L/ha	Do not apply more than six applications per crop per year. Do not make sequential applications of TORRENT 400SC or other fungicides in the same group.
Lettuce (leaf & head)	Downy mildew	0 days	12 hr.	0.20 L/ha	Apply as a foliar broadcast or spray directed at the base of the plant. Do not exceed 6 applications per season. Alternate applications with a fungicide of different chemistry. Do not exceed 1 spray of group 21 fungicide out of every 3 applications.
Field Tomato	Late blight	1 day	12 hr.	0.1 - 0.2 L in 200 - 600 L of water /ha	Do not exceed 5 applications per season. Alternate applications with a fungicide of different chemistry. Do not exceed 1 spray of group 21 fungicide out of every 3 applications.
Brassica & Leafy Vegetables	Downy mildew	1 day	12 hr.	0.2 L/ha in minimum 300 - 500 L of water /ha	Do not exceed 5 applications per season. Alternate applications with a fungicide of different chemistry. Do not exceed 1 spray of group 21 fungicide out of every 3 applications.
Grapes	Downy mildew	30 days	12 hr.	0.15 - 0.2 L/ha	Do not apply more than six applications per crop per year. Do not make sequential applications of TORRENT 400SC or other fungicides in the same group. After one application, alternate with at least one application of fungicide having a different mode of action for control of downy mildew.
Hops	Downy mildew	3 days	12 hr.	0.15 - 0.2 L in minimum 935 L of water /ha	Do not exceed 6 applications / crop cycle. Alternate foliar applications with a fungicide of different chemistry. Do not exceed 1 spray of group 21 fungicide out of every 3 applications.
Caneberries	Phytophthora root rot	90 days	12 hr.	0.25 L in up to 1000 L of water /ha	Make one application of the fungicide solution in the Fall and one application in the Spring at the rate of 0.25 L TORRENT 400SC in up to 1000 litres of water per hectare as a soil drench.
Bulb Vegetables	Downy mildew	0 days	12 hr.	0.20 L/ha	Do not apply more than six applications per crop year. Do not exceed 1 spray of group 21 fungicide out of every 3 applications.

Always read and follow the label.

TORRENT is a registered trakemark of Ishihara Sangyo Kaisha, Ltd.

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