

BroadStar[®] Herbicide

A pre-emptive weeding solution.

Pre-emergent residual control for ornamentals

BroadStar[®] is a granular herbicide that contains the active ingredient flumioxazin, 0.25%. It provides long lasting pre-emergence residual control of many broadleaf weeds. BroadStar provides an exceptional value that allows you to offer more and make more – a perfect solution for your highest value customers.

Successful weed control in nursery ornamental production begins with timely applications of the most effective herbicides. Once ornamental plants are established, a pre-emergence application of BroadStar helps ensure weed-free containers and is an excellent resistance management tool to maximize the efficacy of your granular herbicide program. Plus, the proven performance of BroadStar provides the longest residual control of a broad spectrum of tough weeds.

Benefits:

- Proven granular pre-emergence weed control to avoid costly hand weeding.
- Longest residual performance – 8 to 12+ weeks of control (rate dependent).
- Broad spectrum control of tough broadleaf weeds.
- No root pruning.
- Excellent crop safety.

Target Weeds:

BroadStar is an effective solution for the following weeds:

- Controls Liverwort and Harry Bittercress/Snapweed.
- Suppresses Common Groundsel and Common Chickweed.



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BroadStar Tolerance

Tolerant Tree Species:

- Eastern White Cedar
- Japanese Maple
- Blue Spruce
- Yew
- Amur Maple
- Red Oak
- White Spruce

Tolerant Shrubs & Covers:

- Boxwood tree
- Creeping juniper
- Sabin juniper

Application Rate:

Apply at 84 to 168 kg/ha (34 - 68 kg/ac).

Characteristics:

Flumioxazin degrades rapidly in water & soil. Dissipation occurs by a combination of hydrolysis and microbial oxidation.

Based on column leaching studies and the short aerobic soil half-life, the potential for flumioxazin or its degradation to leach is low. The low use rate and rapid soil dissipation results in a low carryover potential. Even though it breaks down/dissipates quickly, it will provide residual control so long as the activated barrier is not disturbed.



Liverwort control using BroadStar (left container). Right container untreated.



Bittercress control using BroadStar (right container). Left container untreated.

Mode of Action:

Pre-emergence Application: Once applied BroadStar forms a layer on the surface of the container. As weeds germinate they come in contact with the herbicide. After the weeds contact the formed herbicide layer and are exposed to sunlight, cell membranes are disrupted and seedlings die.

Application Timing:

- Apply a maximum of 168 kg/ha during a single application.
- Plants may only be treated once every 11 weeks.
- Apply no more than 336 kg/ha during a 12 month period.
- Apply to pots 10 cm in diameter, or greater.
- Do not apply to moist or wet plant foliage.
- Treated containers need to receive 2.5 cm of irrigation or rain prior to being placed in an enclosed structure.

Nufarm is the marketer of Valent products in Canada. To learn more about BroadStar® or any other Nufarm products visit our website or call our technical support line, toll-free.

1-800-868-5444 www.nufarm.ca



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