

Freehand®

Pre-emergent herbicide

globe
GROWING SOLUTIONS

GROUP **D, K** HERBICIDE

Active ingredients 10g/kg pendimethalin, 7.5g/kg dimethenamid-P

Freehand herbicide offers the ornamental grower and turf manager a new tool for pre-emergent weed control of broadleaf and grassy weeds. Its two unique active ingredients, pendimethalin and dimethenamid-P, prevent weeds from growing and multiplying by inhibiting cell growth in seedling shoots and impeding plant cell microtubule assembly in roots.

This powerful herbicide is labeled for the control and suppression of more than 60 of the toughest, most troublesome weeds; promoting higher quality and more marketable plants, and more attractive turf.

Key features and benefits

- Broad-spectrum weed control** - Freehand is a unique combination of two modes of action (Groups D and K) for broader spectrum weed control and resistance management. Freehand is safe on a broad range of ornamental crops and warm season turfs and provides up to three months of control and suppression of over 60 of the most toughest weeds.
- Easy to use** - Freehand's granular formulation and excellent particle distribution allows for easy spreading and flexible application rates. Freehand can be applied at 100-200kg/ha (10-20g/m²) depending on target weeds.
- Excellent residual control** - One application of freehand provides residual control that stops weeds as they germinate for up to 3 months, giving season long weed control. Freehand is also very stable on the soil surface and does not need to be watered in immediately. Rainfall or irrigation will move the product to the target site and activate the herbicide maintaining long lasting weed control.

Pack size 22.7kg

Rate 100-200kg/ha or 10-20g/m²

How and when to apply

Ornamentals

Freehand may be applied individually to each pot, or pots can be grouped together and distributed using a granule applicator or gloved hand. After application, ensure granules are brushed or washed off foliage.

Turf

Ensure area is clean of debris prior to application. Freehand may be applied and distributed using a granule applicator or gloved hand. Oscillating spout or rotary type fertiliser spreaders are recommended for large areas.

Even application is important for good weed control. If using a granule applicator, ensure they are properly calibrated to apply granules evenly. Freehand application should be followed by irrigation or rainfall, before weeds germinate. If Freehand is not activated by rainfall or irrigation within 30 days, erratic weed control may result.

Rates for pots or containers

Container size (diameter in cm)	Round	Square
10	0.08-0.16g	0.1-0.2g
10	0.2-0.4g	0.25-0.5g
25	0.5-1.0g	0.62-1.3g
40	1.3-2.6g	1.62-3.3g
51	2.05-4.1g	2.6-5.2g

Rates for turf

Rates for turf	Area
10-20g	1m ²
1-2kg	100m ²
100-200kg	1ha

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For more information on **Freehand® Herbicide**, contact your local Globe Growing Solutions Territory Manager
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Situation	Weeds	Rate	Critical Comments
<p>Container and in-ground ornamental plants</p> <p>Recreational turf: Including but not limited to fairways, golf tees, municipal sports fields, industrial commercial and domestic lawns.</p> <p>Warm season turf species only: Hybrid couch (<i>Cynodon dactylon</i> <i>Cynodon transvaalensis</i>) Common couch (<i>Cynodon dactylon</i>) Queensland blue couch (<i>Digitaria didactyla</i>) Carpet grass (<i>Axonopus compressus</i>) Kikuyu (<i>Pennisetum clandestinum</i>) Buffalo (<i>Stenotaphrum secundatum</i>) Zoysia (<i>Zoysia japonica</i> and <i>Zoysia matrella</i>)</p>	<p>Freehand herbicide controls and suppresses a wide range of broadleaf and grassy weeds.</p> <p><u>Control of:</u> Amaranth Annual ryegrass Awnless barnyard grass Bittercress Bladder ketmia Brazilian white-eye Chickweed Crowsfoot grass Dandelion Deadnettle Fat hen Gian or Black pigweed Green fat hen Indian hedge mustard</p> <p><u>Suppression of:</u> Annual nettles Bittercress Blackberry nightshade Fumitory Pennyroyal Scrambling speedwell</p> <p>For a full list of weeds including botanical names, please refer to the product label</p>	<p>100kg/ha or 1kg/100m² or 10g/m²</p> <p>200kg/ha or 2kg/100m² or 20g/m²</p>	<p>Apply evenly over the area or pots to be treated preferably using a properly calibrated mechanical granule spreader. Apply to the surface of weed free soil preferably after cultivation or just after potting up.</p> <p>Freehand will not control established weeds. Apply to dry foliage only and then sprinkler irrigate or hose (10-15 mm) to wash granules from foliage and incorporate the herbicide into the soil.</p> <p>Do not apply Freehand to wet foliage - should this happen irrigate or hose immediately to remove granules from the leaf surface.</p> <p>Follow the precautions listed below to avoid unnecessary plant damage and to obtain optimum weed control.</p> <p>One application will last 2-3 months depending upon rainfall, irrigation, soil type (potting mix), temperature and weed seed burden.</p> <p>Retreat when the first signs of weed growth are seen but no sooner than 2 months and no later than 3 months after the first application.</p> <p>Ornamentals Do not apply Freehand 2 weeks prior to or 2 weeks after leaf bud break or during periods of flush growth. Newly formed leaves are sensitive to this product. Spotting or leaf drop may result from such applications. Do not apply directly on to bare roots of woody ornamentals as injury may occur.</p> <p>Turf Apply prior to germination of weeds (typically from early spring through to late summer early autumn). Delay overseeding of treated turfgrass for at least 3 months after last application. Application of Freehand to newly sodded areas must be delayed until turf grass root system has been well established and turfgrass mowed at least 2 times.</p>