

A BETTER Formula For Preemergent SUCCESS

Pendulum® AquaCap™ herbicide encapsulates a water-based formulation of the industry's leading preemergent active ingredient – BASF pendimethalin – in an ultra-thin capsule. This BASF patented technology allows **Pendulum AquaCap** to deliver:



- A highly effective and economical preemergent weed control option for field- and container-grown nursery stock, including newly transplanted field- and container-grown nursery stock; established field- and container-grown nursery stock; ornamental bulbs; wildflowers; landscape plantings; and bareground for container placement.
- Effective control for a wide range of weed species – more than 40 grassy and broadleaf weeds.
- Virtually no odor and ease of use through equipment with water clean-out of tank.
- Excellent preemergent weed control on ornamental plants in landscapes.

Weeds & Grasses Controlled

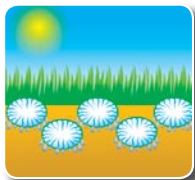
Pendulum AquaCap offers control of 21 of the most common unwanted grasses and 25 of the most troublesome broadleaf weeds, including:

- Annual Bluegrass
- Barnyardgrass
- Chickweed Species
- Crabgrass
- Foxtail Species
- Goosegrass
- Henbit
- Purslane
- Shepherdspurse
- Signalgrass
- Spurge Species
- Yellow Woodsorrel

How It Works



Pendulum AquaCap encapsulates a water-based formulation of the industry's leading preemergent active ingredient — BASF pendimethalin — in an ultra-thin microcapsule.



Capsules are primarily broken by drying and wetting of the capsule walls, but can also be ruptured by other factors (impact, friction, biological action, etc.) to release the active ingredient.



When the microcapsule is broken, it releases the pendimethalin.



Technical Brief

Description: **Pendulum AquaCap** is an encapsulated, water-based formulation of the industry leader's leading preemergent herbicide that virtually eliminates odor, has greatly reduced staining potential and offers increased ease of handling and cleaning of equipment.

Use Sites:

Ornamentals: Field and container nurseries, Christmas trees and other forest tree nurseries, landscape or grounds maintenance and non-bearing fruit, nuts and vines

Turf: Golf courses, residential and commercial lawns, sod farms and athletic fields

Noncropland Areas: Noncropland areas

Formulation: 3.8 CS (Capsule Suspension)

Packaging: 2.5 gal jug

Use Rates: 1.5 to 3.1 oz per 1000 sq. ft. or 4.1 to 8.2 pts per acre in ornamentals

Active Ingredient: Pendimethalin

Chemical Family: Dinitroaniline

Mode of Action: Microtubule assembly inhibitor. Plant cells cannot divide and multiply.

EPA Target Site of Action: Group 3 herbicide

Behavior in Plant: Root absorbed with coleoptile absorption in sensitive grass species.

Control Symptoms: Coleoptile growth in grassy weeds is inhibited and emerged shoots are deformed. Small-seeded broadleaf weeds fail to emerge. Affected weed root growth is inhibited, especially lateral or secondary roots.

Signal Word: Caution

REI: 24 hours

PPE: Long-sleeved shirt and long pants; chemical-resistant gloves; shoes and socks

Keys to Success: Uniform application of **Pendulum AquaCap** over the treated area is essential for effective control. The herbicide must be applied prior to weed germination. Efficacy will be improved if application is followed by one-half inch of rainfall or its equivalent in sprinkler irrigation. Refer to specimen label for additional information.

Crop Phytotoxicity: **Pendulum AquaCap** has shown excellent crop safety on a wide number of ornamental species. The liquid formulation is best used on woody ornamentals and has a selective number of herbaceous plants that have been tested (ornamental grasses and perennials).

Contact with a **Pendulum AquaCap** spray should be avoided on plants in full bud formation prior to leafing-out in spring and on grafts or bud-grafts of plants. Prior to any application of **Pendulum AquaCap**, consult the precautions and restrictions on the label. Refer to product label for a complete list of tested trees, shrubs, perennials, bedding plants, wildflowers, ornamental bulbs and non-bearing fruits, nuts and vines. Users should conduct small-scale tests under local growing conditions prior to wide-scale use.



Technical Brief

ORNAMENTAL INSTRUCTIONS AND RESTRICTIONS¹

Site	Application Instructions and Restrictions
Newly Transplanted Field-Grown Nursery Stock	<ol style="list-style-type: none"> DO NOT make over-the top applications at time of field transplanting. Use shielded sprayer until plantings have been established for one (1) year or more in the field. DO NOT apply until transplants have been watered and soil has been thoroughly packed and settled around transplants. Care must be taken to ensure there are no cracks in the soil where Pendulum® AquaCap™ herbicide could come into contact with the roots. DO NOT apply during bud swell, bud break or at time of first flush of new growth. Direct sprays away from graphed or budded tissue on transplants at all times.
Newly Transplanted Container-Grown Nursery Stock	<ol style="list-style-type: none"> DO NOT apply until transplants have been watered and soil has been thoroughly packed and settled around transplants. Care must be taken to ensure there are no cracks in the soil where Pendulum AquaCap could come into contact with the roots. For container-grown ornamentals, delay first application of the product to bare-root liners for two (2) to four (4) weeks after transplanting. DO NOT apply during bud swell, bud break or at time of first flush of new growth. Direct sprays away from graphed or budded tissue on transplants at all times.
Established Container- or Field-Grown Nursery Stock	<ol style="list-style-type: none"> DO NOT apply during bud swell, bud break or at time of first flush of new growth. Apply as a directed or over-the-top spray. If newly budded or graphed rootstock, make an application using a shielded sprayer. Care must be taken to ensure there are no cracks in the soil where Pendulum AquaCap could come into contact with the roots.
Landscape Plantings	<ol style="list-style-type: none"> DO NOT apply to newly transplanted ornamentals until plants have been watered and soil has been thoroughly packed and settled around roots. Apply as a directed or over-the-top spray. It is recommended to use the lowest labeled rate when making applications to annuals. Repeat applications can be made for extended landscape weed control.
Bareground for Container Placement	<ol style="list-style-type: none"> Apply to soil and water (including mulch, gravel, wood chips or other permeable base); replace containerized ornamentals onto pad.
Greenhouses, Shadehouses or Other Enclosed Structures	DO NOT apply in greenhouses, shadehouses or other enclosed structures.
Ornamental Bulbs	<ol style="list-style-type: none"> Pendulum AquaCap may be applied to bulb species listed on the label. Apply prior to, during or after bulb emergence, but not during bloom.
Wildflowers	<ol style="list-style-type: none"> Pendulum AquaCap may be applied in plantings of wildflowers listed on the label. Refer to specific instructions for rate and plant tolerance. For wildflowers being established from seed, apply after wildflowers have germinated, but prior to weed seed germination.

¹ Plant only those desirable plant species listed on this label into soil treated the previous season with **Pendulum AquaCap** or injury may occur. It is recommended that treated plants be evaluated for 1-2 months prior to making application to a large number of plants. **Do not treat plants grown for food or feed. Do not use treated plants for food or feed.**

Always read and follow label directions.

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