

For use as a preemergence weed control herbicide in turfgrass, landscape or grounds maintenance, noncropland areas, and ornamental production

Active Ingredient:

pendimethalin: N-(1-ethylpropyl)-3,4-dimethyl-2,6-dinitrobenzenamine	. 38.7%
Other Ingredients:	. <u>61.3%</u>
Total:	.100.0%
1 gallon contains 3.8 lbs of microencapsulated pendimethalin in an aqueous carrier.	

EPA Reg. No. 241-416

EPA Est. No.

KEEP OUT OF REACH OF CHILDREN CAUTION/PRECAUCIÓN

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

See inside for complete **Precautionary Statements**, **First Aid**, **Directions For Use**, **Conditions of Sale and Warranty**, and state-specific crop and/or use site restrictions.

In case of an emergency endangering life or property involving this product, call day or night 1-800-832-HELP (4357).

Net Contents:



FIRST AID		
If in eyes	 Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after first 5 minutes; then continue rinsing eyes. Call a poison control center or doctor for treatment advice. 	
HOTLINE		

HOTLINE

Have the product container or label with you when calling a poison control center or doctor or going for treatment. In case of an emergency endangering life or property involving this product, call day or night, 1-800-832-HELP (4357).

Precautionary Statements

Hazards To Humans And Domestic Animals

CAUTION. Causes moderate eye irritation. Harmful if absorbed through skin. Avoid contact with skin, eyes or clothing

Personal Protective Equipment (PPE)

Some materials that are chemically resistant to these products are listed below. For more options, refer to **Category A** on an EPA chemical-resistance category selection chart.

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material such as nitrile, butyl, neoprene, and/or barrier laminate
- Shoes plus socks

Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering Controls

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [(40 CFR 170.240)(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product.
 Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Environmental Hazards

This product is toxic to fish. **DO NOT** apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent aquatic sites. **DO NOT** contaminate water when disposing of equipment washwaters or rinsate.

Directions For Use

It is a violation of federal law to use this product in a manner inconsistent with its labeling. This label must be in the possession of the user at time of herbicide application.

DO NOT apply this product through any type of irrigation system.

BASF Corporation does not recommend or authorize the use of this product in manufacturing, processing or preparing custom blends with other products for application to turf or ornamentals.

DO NOT apply this product in a way that will contact workers or other persons either directly or through drift. Only protected handlers may be in the area during application.

For requirements specific to your state or tribe, consult the state or tribal agency responsible for pesticide regulation.

DO NOT apply **Pendulum® AquaCap™ herbicide** in greenhouses, shadehouses, or other enclosed structures.

Not for use for commercial seed production.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

DO NOT enter or allow worker entry into treated areas during the restricted-entry interval (REI) of **24 hours**.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls
- Chemical-resistant gloves made of any waterproof material such as nitrile, butyl, neoprene, and/or barrier laminate
- Shoes plus socks

NONAGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

DO NOT enter treated areas without protective clothing until sprays have dried.

FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN POOR WEED CONTROL OR CROP INJURY.

STORAGE AND DISPOSAL

DO NOT contaminate water, food, or feed by storage or disposal.

Pesticide Storage

DO NOT store below 15° F. Extended storage at temperatures below 15° F can result in the formation of crystals on the bottom of container. If crystallization does occur, store the container on its side at room temperature (70° F) and rock occasionally until crystals dissolve.

Pesticide Disposal

Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Container Disposal

Nonrefillable Container. DO NOT reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying; then offer for recycling, if available, or reconditioning, if appropriate, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

Triple rinse containers small enough to shake (capacity ≤ 5 gallons) as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank, or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Triple rinse containers too large to shake (capacity > 5 gallons) as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank, or store rinsate for later use or disposal. Repeat this procedure two more times.

(continued)

STORAGE AND DISPOSAL (continued)

Pressure rinse as follows: Empty the remaining contents into application equipment or mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank, or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

Refillable Container. Refill this container with pesticide only. **DO NOT** reuse this container for any other purpose. Triple rinsing the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller.

Triple rinse as follows: To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10% full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

When this container is empty, replace the cap and seal all openings that have been opened during use; return the container to the point of purchase or to a designated location. This container must only be refilled with a pesticide product. Prior to refilling, inspect carefully for damage such as cracks, punctures, abrasions, worn-out threads and closure devices. Check for leaks after refilling and before transport. **DO NOT** transport if this container is damaged or leaking. If the container is damaged, or leaking, or obsolete and not returned to the point of purchase or to a designated location, triple rinse emptied container and offer for recycling, if available, or dispose of container in compliance with state and local regulations.

General Information

Mode of Action

Pendulum® AquaCap™ herbicide is a meristematic inhibitor that interferes with the plant cellular division or mitosis and cell elongation in the growing points of shoots and roots of susceptible weeds. When susceptible weeds germinate in the treated area, they contact the herbicide and both shoot and root growth stops. Translocation of the herbicide within the plant is limited. Affected weeds die shortly after growth is stopped, usually before emergence from the soil.

Weeds Controlled

Pendulum AquaCap will not control established weeds. If weeds germinate before herbicide activation, shallow cultivate to destroy existing weeds or, where practical, remove by hand. When cultivating for any reason, it should be shallow. Use **Pendulum AquaCap** with herbicides registered for postemergence application (i.e. **Roundup® herbicide** or

Finale® herbicide) for the control of established weeds. **DO NOT** apply sprays containing **Roundup** or **Finale** over the top of desirable plants. A **Pendulum AquaCap** treatment may be followed by any registered herbicide to control weeds not listed on the **Pendulum AquaCap** label.

The efficacy of **Pendulum AquaCap** will be improved if the application is followed by 1/2 inch of rainfall or its equivalent in sprinkler irrigation. Erratic weed control may result if **Pendulum AquaCap** is not activated by rainfall or irrigation within 30 days.

The following grass and broadleaf weeds are controlled by preemergence treatments of **Pendulum AquaCap** at the specified rates.

Scientific Name

Table 1. Weeds Controlled

Common Name

Common Name	Scientific Name
Grasses	
Barnyardgrass	Echinochloa crus-galli
Bluegrass, annual	Poa annua
Crabgrass	Digitaria spp.
Crowfootgrass	Dactyloctenium aegyptium
Foxtail, giant	Setaria faberi
Foxtail, green	Setaria viridis
Foxtail, yellow	Setaria glauca
Goosegrass	Eleusine indica
<u>Itchgrass</u>	Rottboellia exaltata
Johnsongrass (from seed)	Sorghum halepense
Junglerice	Echinochloa colona
Lovegrass (from seed)	Eragrostis spp.
Panicum, browntop	Panicum fasciculatum
Panicum, fall	Panicum dichotomiflorum
Panicum, Texas	Panicum texanum
Sandbur, field	Cenchrus incertus
Signalgrass	Brachiaria platyphylla
Sprangletop, Mexican	Leptochloa uninervia
Sprangletop, red	Leptochloa filiformis
Witchgrass	Panicum capillare
Woolly cupgrass	Eriochloa villosa
Broadleaf Weeds	
Burweed, lawn	Soliva pterosperma
Carpetweed	Mollugo verticillata
Chickweed, common	Stellaria media
Chickweed, mouseear	Cerastium vulgatum
Clover, hop	Trifolium procumbens
Cudweed	Gnaphalium spp.
Evening primrose	Oenothera biennis
<u>Fiddleneck</u>	Amsinckia intermedia
Filaree	Erodium spp.
<u>Henbit</u>	Lamium amplexicaule
Knotweed, prostrate	Polygonum aviculare
Kochia	Kochia scoparia
<u>Lambsquarters</u>	Chenopodium album
Pigweed	Amaranthus spp.
Puncturevine	Tribulus terrestris
Purslane	Portulaca oleracea
Pusley, Florida	Richardia scabra
Rocket, London	Sisymbrium irio

Table 1. Weeds Controlled (continued)

Common Name	Scientific Name
Broadleaf Weeds (continue	ed)
Shepherdspurse	Capsella bursa-pastoris
Smartweed, Pennsylvania	Polygonum pensylvanicum
Speedwell, corn	Veronica arvensis
Spurge, annual	Euphorbia spp.
Spurge, prostrate	Chamaesyce humistrata
Woodsorrel, yellow	Oxalis stricta
Velvetleaf (Buttonweed)	Abutilon theophrasti

Application Use Sites

Use **Pendulum® AquaCap™ herbicide** for preemergence control of grass and certain broadleaf weed species as they germinate **in any turfgrass site** (golf courses, lawns, sod farms and other turf areas) and **landscape ornamental maintenance areas**. Examples of such sites include, but are not limited to: grounds or lawns around residential and commercial establishments, multifamily dwellings, military and other institutions, parks, airports, roadsides, schools, picnic grounds, athletic fields, houses of worship, cemeteries, golf courses, prairie grass areas, and sod farms.

Pendulum AquaCap can be applied for general grounds maintenance in areas such as parking lots, driveways and roadsides, alleyways, bike and jogging paths, vacant lots, buildings, stone gardens and gravel yards, markers and fence lines, and mulch beds. It may be used under asphalt or concrete treatments as part of a site preparation program.

Use **Pendulum AquaCap** for preemergence control of most annual grasses and certain broadleaf weeds as they germinate **in any noncropland area** such as railroad, utility, highway, and pipeline rights-of-way; highway guardrails, delineators, and sign posts; bridge abutments and approaches; utility substations; petroleum tank farms; pumping installations; storage areas; fence rows; windbreaks and shelterbelts; paved or gravel surfaces; and established wildflower plantings where weed control is desired.

Pendulum AquaCap can also be used in bulb plantings, nonbearing fruit and nut tree nurseries, conifer and hardwood seedling nurseries, and tree plantations for site preparation and maintenance. Applications can be made, but are not limited to, plant species listed on this label such as trees, shrubs, groundcovers, perennials, bulbs, ornamental grasses, and bedding plants.

Pendulum AquaCap can be used in and around field, liner, and container ornamental production.

Application Instructions

Pendulum AquaCap will not control established weeds. Therefore, areas to be treated should be free of established weeds at the time of treatment, or **Pendulum AquaCap** may be used with herbicides registered for postemergence

use in managed turf sites, landscape ornamentals, and in other noncropland areas. Consult the labels of those herbicides for suggested treatments, rates, and precautions or restrictions for use in these areas. The efficacy of **Pendulum AquaCap** will improve if the application is followed by 1/2 inch of rainfall or its equivalent in sprinkler irrigation. If **Pendulum AquaCap** is not activated by rainfall or irrigation within 30 days, erratic weed control may result.

Applied according to label directions and under normal growing conditions, **Pendulum AquaCap** or **Pendulum AquaCap** tank mix combinations will not cause crop injury. Overapplication can result in crop stand loss, crop injury, or soil residues. Uneven application can decrease weed control or cause crop injury.

Seedling diseases, cold weather, excessive moisture, high soil pH, high soil salt concentration, or drought can weaken seedlings and plants and increase the possibility of plant damage from **Pendulum AquaCap**.

Mixing Instructions

Pendulum AquaCap may be applied in a tank mix or a sequential application with other herbicides registered for use in a given crop. Refer to the companion label for weeds controlled in addition to **Pendulum AquaCap** alone.

When using tank mixtures or sequential applications with **Pendulum AquaCap**, always read the companion product label(s) to determine the specific use rates by soil types, weed species, and weed or crop growth stage. In addition, follow all precautions and restrictions including state and local use restrictions that may apply to specific products. Always follow the most restrictive label.

Fill tank 1/2 to 3/4 full with clean water or liquid fertilizer and agitate. Before mixing **Pendulum AquaCap** or **Pendulum AquaCap** tank mixtures in liquid fertilizer, refer to appropriate label sections for recommended uses in liquid fertilizer, application instructions, and compatibility determinations.

Pendulum AquaCap Alone

When using **Pendulum AquaCap** alone, add **Pendulum AquaCap** to the partially filled tank while agitating; then fill the remainder of the tank with water or liquid fertilizer.

Pendulum AquaCap Tank Mixes

Add the tank mixture ingredients in the following order:

- Wettable Powder (WP) formulations Make a slurry of the WP in water (1:2 ratio). Add the slurry slowly into the partially filled tank while agitating.
- Dry Flowable/Water Dispersible Granule (DF/WDG) formulations - Add the granules to the partially filled tank while agitating. Make a slurry of the granules in water before adding to liquid fertilizer.
- 3. **Flowable (F) formulations** Add the F formulation to the partially filled tank while agitating.
- Add **Pendulum AquaCap** to the partially filled tank while agitating.

- Water-soluble Concentrate (WSC) formulations -Add the WSC formulation to the partially filled tank while agitating.
- Emulsifiable Concentrate (EC) formulations -Add the EC formulation to the partially filled tank while agitating.

Fill the remainder of the tank with water or liquid fertilizer while agitating.

Maintain continuous agitation while adding herbicides and until spraying is completed. If the spray mixture is allowed to settle for any period of time, thorough agitation is essential to resuspend the mixture before spraying is resumed.

Backpack Sprayer

Begin with a clean spray tank. Fill the spray tank 1/2 full with clean water and add the required amount of **Pendulum® AquaCap™ herbicide** to the sprayer. Cap sprayer and agitate to ensure mixing. Uncap sprayer and finish filling tank to desired level. Cap sprayer and agitate once again. During application it is desirable to agitate the mixture on occasion to ensure mixing. If the spray mixture is allowed to settle for any period of time, thorough agitation is essential before spraying is resumed.

Liquid Fertilizers

Before mixing, always test small quantities with a simple jar test. Add the required amount of **Pendulum AquaCap** to a half-filled spray tank while agitating; then add the fertilizer product. Complete filling spray tank to desired level.

Spraying Instructions

Ground Application

Uniformly apply with properly calibrated ground equipment in sufficient water per acre to uniformly treat the area with a spray pressure of 25 to 50 psi. Suggested spray volumes are 20 to 200 gpa for professional turfgrass, landscape and ornamental applications, and 10 to 200 gpa for all other noncrop applications such as roadsides, utility rights-of-way, or soft-residual bareground applications. Maintain continuous agitation during spraying with good mechanical or bypass agitation. Avoid overlaps that will increase rates above those specified. Avoid application when winds may cause drift.

Avoid unintentional contact of spray solution with driveways, stone, wood, or other porous surfaces. Rinse immediately with water to avoid staining. Avoid mechanically scrubbing until surface area is thoroughly rinsed. Treated turfgrass should be dry before entering to avoid staining onto non-treated surfaces.

Aerial Application

Uniformly apply in 5 or more gallons of water per acre. Exercise caution to minimize drift. **DO NOT** apply during periods of gusty winds or when wind conditions favor drifting. Spray drift can cause injury to sensitive crops. Use a flagman or an automatic mechanical flagging unit on the aircraft to avoid overlapping and possible crop injury.

MANAGING OFF-TARGET MOVEMENT

Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment-related and weather-related factors determines the potential for spray drift. The applicator and the grower are responsible for considering all these factors when making decisions. The following drift management requirements must be followed to avoid off-target drift movement from aerial application to agricultural field crops:

- 1. The distance of the outermost nozzles on the boom must not exceed 3/4 the length of the wingspan or rotor.
- 2. Nozzles must always point backward parallel with the airstream and never be pointed downward more than 45 degrees.

Observe more stringent state regulations, if applicable. The applicator should be familiar with and take into account the information covered in the aerial drift reduction advisory information.

Information On Droplet Size

The most effective way to reduce drift potential is to apply large droplets. The best drift management strategy is to apply the largest droplets that provide sufficient coverage and control. Applying larger droplets reduces drift potential but will not prevent drift if applications are made improperly or under unfavorable environmental conditions (see **WIND**; **TEMPERATURE AND HUMIDITY**; and **TEMPERATURE INVERSIONS**).

Controlling droplet size:

- Volume Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets.
- Pressure DO NOT exceed the nozzle manufacturer's recommended pressures. For many nozzle types, lower pressure produces larger droplets. When higher flow rates are needed, use higher flow rate nozzles instead of increasing pressure.
- **Number of Nozzles** Use the minimum number of nozzles that provide uniform coverage.
- Nozzle Orientation Orienting nozzles so that the spray is released parallel to the airstream produces larger droplets than other orientations and is recommended practice. Significant deflection from the horizontal will reduce droplet size and increase drift potential.
- Nozzle Type Use a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. Consider using lowdrift nozzles. Solid-stream nozzles oriented straight back produce the largest droplets and the lowest drift.

Boom Length

For some use patterns, reducing the effective boom length to less than 3/4 of the wingspan or rotor length may further reduce drift without reducing swath width.

Application Height

Applications should not be made at a height greater than 10 feet above the top of the largest plants unless a greater height is required for aircraft safety. Making applications at the lowest height that is safe reduces exposure of droplets to evaporation and wind.

Swath Adjustment

When applications are made with a crosswind, the swath will be displaced downwind. Therefore, on the upwind and downwind edges of the field, the applicator must compensate for this displacement by adjusting the path of the aircraft upwind. Swath adjustment distance should increase with increasing drift potential (higher wind, smaller droplets, etc.).

Wind

Drift potential is lowest between wind speeds of 2 to 10 mph. However, many factors, including droplet size and equipment type, determine drift potential at any given speed. Application should be avoided below 2 mph due to variable wind direction and high inversion potential.

NOTE: Local terrain can influence wind patterns. Every applicator should be familiar with local wind patterns and how they affect spray drift.

Temperature and Humidity

When making applications in low relative humidity, set up equipment to produce larger droplets to compensate for evaporation. Droplet evaporation is most severe when conditions are both hot and dry.

Temperature Inversions

Applications should not occur during a temperature inversion because drift potential is high. Temperature inversions restrict vertical air mixing that causes small suspended droplets to remain in a concentrated cloud. This cloud can move in unpredictable directions due to the light, variable winds common during inversions. Temperature inversions are characterized by increasing temperatures with altitude and are common on nights with limited cloud cover and light-to-no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing.

Sensitive Areas

The pesticide should only be applied when the potential for drift to adjacent sensitive areas (e.g. residential areas, bodies of water, known habitat for threatened or endangered species, or nontarget crops) is minimal (e.g. when wind is blowing away from sensitive areas).

Turfgrass

Use **Pendulum® AquaCap™ herbicide** for preemergence control of grasses and certain broadleaf weed species as

they germinate in any turfgrass site (golf courses, lawns, sod farms and other turf areas) and landscape ornamental maintenance areas. Examples of such sites include, but are not limited to: grounds or lawns around residential and commercial establishments, multifamily dwellings, military and other institutions, parks, airports, roadsides, schools, picnic grounds, athletic fields, houses of worship, cemeteries, golf courses, prairie grass areas, and sod farms.

The efficacy of **Pendulum AquaCap** will be improved if the application is followed by 1/2 inch of rainfall or its equivalent in sprinkler irrigation. If **Pendulum AquaCap** is not activated by rainfall or irrigation within 30 days, erratic weed control may result.

To prevent establishment of weeds along the edges of treated area, it may be necessary to overlap the spray 3 to 6 inches onto sidewalks or driveways, etc., to ensure effective application rates in these especially vulnerable sites. Where temporary discoloration of pavement is to be avoided, **DO NOT** rub or scrub surface. Rinse area immediately using a heavy spray of water to avoid staining. Treated turfgrass should be dry before entering to avoid staining onto nontreated surfaces.

Turfgrass Tank Mixes

Pendulum AquaCap can be mixed with postemergence herbicides to control emerged weeds in nonresidential turfgrass. For annual grass control, applications can be made with **Drive® 75 DF herbicide**, **Drive® XLR8 herbicide**, or MSMA to control emerged weeds.

Broadleaf weeds can be controlled using **Trimec® herbicide**, **Three-Way™ herbicide**, 2-4,D and other similar products.

Before tank mixing, use a simple jar test to ensure compatibility of herbicides.

Refer to manufacturer's labels for specific use directions, precautions, and limitations before tank mixing with **Pendulum AquaCap**. Follow those that are most restrictive.

Turfgrass Restrictions

- Use on well-established turfgrass with a dense and uniform stand. On turf that has been thinned or damaged due to winter injury, excessive moisture, etc., allow for turf recovery before application.
- On newly planted areas, application should not be made until the turfgrass has filled in and has been mowed at least four times. Applications made to overseeded warm-season turfgrass may cause thinning or injury of the overseeded species.
- **DO NOT** use on bentgrass or *Poa annua* greens and tees or injury may occur.
- Delay reseeding or winter overseeding treated turfgrass for at least three (3) months following the last **Pendulum** AquaCap application.
- Delay sprigging turfgrass for five (5) months after application.

Table 2. Pendulum[®] AquaCap[™] herbicide Residential, Golf Course, Commercial, and Other Nonresidential Turfgrass Uses for Preemergence Weed Control¹

Cool Season Turfgrass	Weed	Product per 1000 sq ft (fl ozs)	Product per acre (pts)	Comment
Bluegrass, Kentucky Fescue, fine Fescue, tall Ryegrass, perennial	barnyardgrass crabgrass evening primrose fall panicum foxtail hop clover knotweed oxalis Poa annua prostrate spurge purslane	All Turf Uses: 1.1 to 1.6 Initial application begermination in spr		Apply a repeat application of 2.2 to 3.1 pts/A (0.86 to 1.1 fl ozs/1000 sq ft) after 5 to 8 weeks for extended control or where heavy weed infestations are expected.
	goosegrass	Residential and Uses Only ² : 1.1 to 1.6 Golf Course,	3.1 to 4.2 mmercial and ential Turf Uses 3.1 to 6.3 pefore weed	Apply a repeat application of 3.1 pts/A (1.1 fl ozs/1000 sq ft) if the lower rate was used initially or for extended goosegrass control after 5 to 8 weeks.
	chickweed corn speedwell cudweed henbit lawn burweed <i>Poa annua</i>	All Turf Uses: 1.1 to 1.6	3.1 to 4.2	Apply in late summer or early fall before weed germination. Apply a repeat application of 3.1 to 4.2 pts/A (1.1 to 1.6 fl ozs/1000 sq ft) after 5 to 8 weeks for extended <i>Poa annua</i> control.
Bentgrass or established <i>Poa annua</i> ³ (1/2-inch high or taller)	barnyardgrass crabgrass evening primrose fall panicum foxtail hop clover knotweed oxalis Poa annua prostrate spurge purslane	All Turf Uses (Non-greens and 1.1 Initial application to germination in spr	3.1 before weed	Apply a repeat application of 2.2 to 3.1 pts/A (0.86 to 1.1 fl ozs/1000 sq ft) after 5 to 8 weeks for extended control or where heavy weed infestations are expected.
	goosegrass	All Turf Uses (Non-greens and 1.1 Initial application be germination in spr	3.1 before weed	Apply a repeat application of 3.1 pts/A (1.1 fl ozs/1000 sq ft) for extended goosegrass control after 5 to 8 weeks.
	chickweed corn speedwell cudweed henbit lawn burweed <i>Poa annua</i>	All Turf Uses (Non-greens and 1.1 to 1.6	I Tees): 3.1 to 4.2	Apply in late summer or early fall before weed germination.

Table 2. Pendulum[®] AquaCap[™] herbicide Residential, Golf Course, Commercial, and Other Nonresidential Turfgrass Uses for Preemergence Weed Control¹ (continued)

Warm Season Turfgrass	Weed	Product per 1000 sq ft (fl ozs)	Product per acre (pts)	Comment
Bahiagrass Bermudagrass Buffalograss Centipedegrass Fescue, tall Paspalum, seashore	barnyardgrass crabgrass evening primrose fall panicum foxtail hop clover	Residential and Uses Only: 1.1 to 1.6	Sod Farm Turf 3.1 to 4.2	Apply a repeat application of 2.2 to 3.1 pts/A (0.86 to 1.1 fl ozs/1000 sq ft) after 5 to
		Golf Course, Co Other Nonreside Only:		8 weeks if necessary.
St. Augustinegrass Zoysiagrass	knotweed oxalis	1.1 to 2.3	3.1 to 6.3	
Poa annua	prostrate spurge	Initial application I germination in spi		
	goosegrass	All Turf Uses (Non-greens and Tees): 1.1 3.1		An additional application of 3.1 pts/A (1.1 fl ozs/1000 sq ft) may be made for extended goosegrass
		Apply before wee spring.	d germination in	control 8 weeks after the second application.
		Make a second a 3.1 pts/A (1.1 fl o 5 to 8 weeks late	zs/1000 sq ft)	
	chickweed corn speedwell cudweed henbit lawn burweed Poa annua	All Turf Uses: 1.1 to 1.6	3.1 to 4.2	Apply in late summer or early fall before weed germination. Apply a repeat application of 3.1 to 4.2 pts/A (1.1 to 1.6 fl ozs/1000 sq ft) after 5 to 8 weeks for extended <i>Poa annua</i> control.

¹ **DO NOT** exceed a maximum of 4.2 pints (2.1 quarts)/A or 1.6 fl ozs/1000 sq ft product **per application** for use on residential and sod farm turfgrass. **DO NOT** exceed a maximum rate of 6.3 pints (3.1 quarts)/A or 2.3 fl ozs/1000 sq ft product **per application** for use on golf course turfgrass, commercial, or other nonresidential turfgrass.

Handheld Spray Equipment Application

Use Table 2. Pendulum® AquaCap™ herbicide
Residential, Golf Course, Commercial, and Other
Nonresidential Turfgrass Uses for Preemergence Weed
Control to determine the amount of Pendulum AquaCap
to apply per 1000 square feet. The amount of water used for
the application is not critical but should be sufficient for
thorough coverage without runoff. Calibration of backpack or
other handheld equipment will vary with each operator.
Determine the amount of water needed to treat 1000 square
feet before mixing the spray solution. Follow information in
Mixing Instructions section of this label.

Weeds Controlled

Pendulum AquaCap will not control established weeds. If weeds should germinate before activation of herbicide, shallow cultivate to destroy existing weeds or, where practical,

remove by hand. When cultivating for any reason, it should be shallow. **Pendulum AquaCap** may be used with herbicides registered for postemergence application (i.e. **Roundup® herbicide** or **Finale® herbicide**) for control of established weeds. **DO NOT** apply sprays containing **Roundup** or **Finale** over the top of desirable plants. A **Pendulum AquaCap** treatment may be followed by any registered herbicide to control weeds not listed on the **Pendulum AquaCap** label.

Landscape and Grounds Maintenance

Pendulum AquaCap can be incorporated into landscape and grounds maintenance programs to provide extended preemergence control of most annual grasses and certain broadleaf weeds. Areas to be treated, such as mulch beds, parking areas and roadsides, fencelines and borders, and around statuary or monuments, should be free of emerged

² Residential is defined as turf in any residential situation as well as home lawns, schools, parks, and playgrounds.

³ **DO NOT** use on bentgrass or *Poa annua* greens or tees.

weeds before application. To remove emerged weeds, either cultivate or tank mix **Pendulum® AquaCap™ herbicide** with a postemergence product labeled for such use.

Not all ornamental species or cultivars of species can be tested for plant safety. Refer to the list of ornamental plant species found in this label (Table 4. Tolerant Ornamental Species). Pendulum AquaCap may be used on plant species not listed on this label; however, testing a small number plants at the specified rate and evaluating for suitability before a broad-use application is advised. Refer to Table 3. Weed Control in All Nonturfgrass Sites for application rates. Avoid unintentional contact of spray solution with stone, wood, or other porous surfaces because staining may occur. Rinse surfaces immediately using a heavy spray of water to avoid staining.

Table 3. Weed Control in All Nonturfgrass Sites*

For preemergence control of the weed species listed, apply **Pendulum AquaCap** at the specified rates:

Length of Control (months)	Pendulum AquaCap (qts/A)	Required to Treat 1000 sq ft (fl ozs)
Short term (2 to 4)	2.1	1.6
Long term (6 to 8)	4.2	3.2

^{*}For all turfgrass weed control rates, refer to **Table 2. Pendulum® AquaCap™ herbicide Residential, Golf Course, Commercial, and Other Nonresidential Turfgrass Uses for Preemergence Weed Control**.

For extended weed control, repeat applications of **Pendulum AquaCap** can be made.

Ornamental Plantings and Tree Plantations including Noncropland Areas

Use **Pendulum AquaCap** for grounds maintenance in noncropland areas, for preemergence control of the weed species listed in and around established tree plantations for site preparation, and for maintenance of conifer and hardwood seedling nurseries and pulpwood and fiber farms. **Pendulum AquaCap** may be used for hardwood and conifer regeneration on conservation reserve program land. **Pendulum AquaCap** can also be used in Christmas trees and nonbearing fruit and nutcrops and vineyards established, or bulb and wildflower field plantings, in and around established ornamentals planted in noncropland areas such as highway rights-of-way and utility substations. Refer to **Table 3. Weed Control in All Nonturfgrass Sites** for application rates.

Applications at Planting or to Established Trees

When applying at planting, it is important to achieve slit closure to prevent **Pendulum AquaCap** from directly contacting the tree roots or being washed into the root zone via the open slit, or root stunting may occur. Refer to **Landscape and Ornamental Plantings Instructions and Restrictions** chart before application.

For postemergence weed control, tank mix combinations of **Pendulum AquaCap** plus **Segment™ herbicide**, **Roundup® herbicide**, **Finale® herbicide**, or other labeled herbicides are recommended. Refer to approved labeling for species recommendations. Determine rates for tank mix compounds from the product labels of **Pendulum AquaCap** and partner herbicides before use. Use caution to prevent combination sprays from direct contact with desirable foliage or injury may result. **Pendulum AquaCap** plus diuron or simazine combinations will broaden weed control spectrum; however, use of combinations may restrict **Pendulum AquaCap** use in sensitive areas. Refer to manufacturer's labels for specific use directions, precautions, and limitations before application and follow those that are most restrictive.

Ornamental Bulbs

Pendulum AquaCap may be applied for control of susceptible annual weeds in ornamental bulbs listed in the Perennials section in Table 4. Tolerant Ornamental Species (crocus, daffodil [narcissus], gladiolus, lily, tulip, etc.). Apply Pendulum AquaCap before, during, or after bulb emergence. If weeds have already germinated, add a labeled postemergence herbicide to control emerged weeds.

Wildflowers

Pendulum AquaCap may be applied for control of susceptible annual weeds in plantings of wildflowers listed in the Perennials section in Table 4. Tolerant Ornamental Species. The perennial species noted¹ (black-eyed Susan, California poppy, coreopsis, oxeye daisy, etc.) have been evaluated for plant tolerance to applications of Pendulum AquaCap at 4.2 pints (2.1 quarts) per acre. Pendulum AquaCap may be applied to established perennial wildflowers before emergence of weeds or wildflowers. For wildflowers being established from seed, apply Pendulum AquaCap no sooner than 4 weeks after wildflowers have emerged, but before weed germination. If weeds have already germinated, add a labeled postemergence product to control emerged weeds. Refer to all label restrictions before application.

Due to the diversity of species and varieties that exist in areas where wildflowers are grown, the response to **Pendulum AquaCap** may vary greatly. Careful testing on desirable species is recommended to determine if area-wide applications can be made.

Nonbearing Fruit and Nutcrops and Vineyards

Pendulum® AquaCap™ herbicide may be applied for preemergence control of most annual grasses and certain broadleaf weeds on the following nonbearing crops:

Almond Olive
Apple Peach
Apricot Pear
Cherry Pecan
Citrus Pistachio
Fig Plum
Grape Prune

Nectarine Walnut, English

Noncropland

Use **Pendulum AquaCap** for preemergence control of most annual grasses and certain broadleaf weeds as they germinate on noncropland areas such as railroad, utility, highway, and pipeline rights-of-way; highway guardrails, delineators, and sign posts; utility substations, petroleum tank farms, pumping installations, fence rows, storage areas, windbreaks and shelterbelts.

Industrial (Unimproved) Turf

Pendulum AquaCap will provide preemergence control of the annual grasses and broadleaf weeds listed in **Table 1. Weeds Controlled** that might germinate in established grass in rights-of-way, roadsides, construction sites, parks, substations, or lots.

Apply before weeds germinate. A postemergence herbicide such as 2,4-D, **Drive® 75 DF herbicide**, **Drive® XLR8 herbicide**, **Segment™ herbicide**, MSMA, or similar products may be tank mixed to control established weeds. Apply according to label instructions for the respective products and follow the most restrictive wording.

Total Vegetation Control

Pendulum AquaCap may be tank mixed with Arsenal® herbicide, Sahara® DG herbicide, Plateau® herbicide, Segment, Roundup PRO® herbicide, Karmex® herbicide, Finale® herbicide, Oust® herbicide, diuron, glyphosate or other products to provide bareground or total vegetation control. Pendulum AquaCap can be used to provide greater plant selectivity in areas where such action may be desired. Such sites might have roots of landscape vegetation, ornamentals, or desirable trees encroaching into the treated zone. Refer to tank mix partner labels regarding effects on desirable plants. DO NOT tank mix with Arsenal, Sahara DG, or Plateau herbicides in California.

Applications may be made to existing weeds controlled by the partner herbicide. Determine rates from the product labels before use. Follow the most restrictive label instructions.

For kochia control, combinations of **Pendulum AquaCap** with **Arsenal** or diuron are recommended if control has been a problem for other herbicides.

Landscape and Ornamental Plantings Instructions and Restrictions¹

Site	Application Instructions and Restrictions
Landscape plantings ²	1. DO NOT apply to newly transplanted ornamentals until plants have been watered and soil has been thoroughly packed and settled around roots.
	2. Apply as a directed or over-the-top spray.
	3. Use the lowest labeled rate when making applications to annuals. Repeat applications can be made for extended landscape weed control.
Ornamental bulbs ³	Pendulum AquaCap may be applied to bulb species listed on the label.
	2. Apply before bulb emergence.
Wildflowers ³	1. Pendulum AquaCap may be applied in plantings of wildflowers listed on the label. Refer to specific instructions for rate and plant tolerance.
	2. For wildflowers being established from seed, apply at 4 weeks after wildflowers have germinated, but before 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.
- ² Before treating a large number of plants, spray a few plants and observe for 1 to 2 months for plant damage before full-scale application.
- ONOT treat plants grown for food or feed. DO NOT use treated plants for food or feed.

Spraying Instructions

Ground Application

Uniformly apply with properly calibrated ground equipment in suggested spray volumes of 20 to 200 gpa for ornamental applications to uniformly treat the area with a spray pressure of 25 to 50 psi. Maintain continuous agitation during spraying with good mechanical or bypass agitation. Avoid overlaps that will increase rates above those specified. Avoid application when winds may cause drift.

Avoid unintentional contact of spray solution with driveways, stone, wood, or other porous surfaces. Rinse immediately with water to avoid staining. Avoid mechanically scrubbing until surface area is thoroughly rinsed using a heavy spray of water.

Handheld Spray Equipment Application. Use Table 3. Weed Control in All Nonturfgrass Sites to determine the amount of Pendulum® AquaCap™ herbicide to apply per 1000 square feet. The amount of water used for application is not critical, but should be sufficient for thorough coverage without runoff. Calibration of backpack or other handheld equipment will vary with each operator. Determine the amount of water needed to treat 1000 square feet before mixing the spray solution. Follow information in the Mixing Instructions section of this label.

Aerial Application

Uniformly apply in 5 or more gallons of water per acre. Exercise caution to minimize drift. **DO NOT** apply during periods of gusty winds or when wind conditions favor drifting. Spray drift can cause injury to sensitive crops. Use a flagman or an automatic mechanical flagging unit on the aircraft to avoid overlapping and possible crop injury.

Weeds Controlled

Pendulum AquaCap will not control established weeds. If weeds germinate before herbicide activation, shallow cultivate to destroy existing weeds or, where practical, remove by hand. When cultivating for any reason, it should be shallow.

Use **Pendulum AquaCap** with herbicides registered for postemergence application (i.e. **Roundup® herbicide** or **Finale® herbicide**) for control of established weeds. **DO NOT** apply sprays containing **Roundup** or **Finale** over the top of desirable plants. A **Pendulum AquaCap** treatment may be followed by any registered herbicide to control weeds not listed on the **Pendulum AquaCap** label.

The efficacy of **Pendulum AquaCap** will be improved if the application is followed by 1/2 inch of rainfall or its equivalent in sprinkler irrigation. Erratic weed control may result if **Pendulum AquaCap** is not activated by rainfall or irrigation within 30 days.

Commercial Ornamental Production

Application Use Sites

Pendulum AquaCap can be used in and around field, liner, and container ornamental production.

Pendulum AquaCap sprays are safe around and over the top of the established plants listed in **Table 4. Tolerant**Ornamental Species. However, not all varieties or strains of the plant species listed have been tested. Refer to ornamental instructions and restrictions in this label before any application of **Pendulum AquaCap**. Unintentional consequences such as crop injury may result because of certain environmental or growing conditions, manner of use, or application. Therefore, before treating a large number of plants, spray a few plants and observe for plant damage before full-scale application.

Application Instructions

Pendulum AquaCap will not control established weeds. Therefore, areas to be treated should be free of established weeds at the time of treatment, or use **Pendulum AquaCap** with herbicides registered for postemergence use in ornamentals and vegetation control sites. Consult the labels of those herbicides for suggested treatments, rates, and precautions or restrictions for use in these areas.

The efficacy of **Pendulum AquaCap** will improve if the application is followed by 1/2 inch of rainfall or its equivalent in sprinkler irrigation. If **Pendulum AquaCap** is not activated by rainfall or irrigation within 30 days, erratic weed control may result.

Applied according to label directions and under normal growing conditions, **Pendulum AquaCap** or **Pendulum AquaCap** tank mix combinations will not cause crop injury. Overapplication can result in crop-stand loss, crop injury, or soil residues. Uneven application can decrease weed control or cause crop injury.

Seedling diseases, cold weather, excessive moisture, high soil pH, high soil salt concentration, or drought can weaken seedlings and plants and increase the possibility of plant damage from **Pendulum AquaCap**.

Spraying Instructions Ground Application

Uniformly apply with properly calibrated ground equipment in suggested spray volumes of 20 to 200 gpa for ornamental applications to uniformly treat the area with a spray pressure of 25 to 50 psi. Maintain continuous agitation during spraying with good mechanical or bypass agitation. Avoid overlaps that will increase rates above those specified. Avoid application when winds may cause drift.

Avoid unintentional contact of spray solution with driveways, stone, wood, or other porous surfaces. Rinse immediately with water to avoid staining. Avoid mechanically scrubbing until surface area is thoroughly rinsed using a heavy spray of water.

Handheld Spray Equipment Application. Use Table 3. Weed Control in All Nonturfgrass Sites to determine the amount of Pendulum AquaCap to apply per 1000 square feet. The amount of water used for application is not critical, but should be sufficient for thorough coverage without runoff. Calibration of backpack or other handheld equipment will vary with each operator. Determine the amount of water needed to treat 1000 square feet before mixing the spray solution. Follow information in the Mixing Instructions section of this label.

Aerial Application

Uniformly apply in 5 or more gallons of water per acre. Exercise caution to minimize drift. **DO NOT** apply during periods of gusty winds or when wind conditions favor drifting. Spray drift can cause injury to sensitive crops. Use a flagman or an automatic mechanical flagging unit on the aircraft to avoid overlapping and possible crop injury.

Production Ornamentals Instructions and Restrictions¹

Site	Application Instructions and Restrictions
Newly transplanted field-grown nursery stock ^{2,3}	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.
	2. DO NOT apply until transplants have been watered and soil has been thoroughly packed and settled around transplants. Take care to ensure there are no cracks in the soil where Pendulum® AquaCap™ herbicide could come into contact with the roots.
	3. DO NOT apply during bud swell, bud break, or at time of first flush of new growth.
	4. Direct sprays away from grafted or budded tissue on transplants at all times.
Ornamental bulbs ³	Pendulum AquaCap may be applied to bulb species listed on the label.
	2. Apply before bulb emergence.
Newly transplanted container-grown nursery stock ^{2,3}	1. DO NOT apply until transplants have been watered and soil has been thoroughly packed and settled around transplants. Take care to ensure there are no cracks in the soil where Pendulum AquaCap could come into contact with the roots.
	2. For container-grown ornamentals, delay first application of the product to bareroot liners for two (2) weeks after transplanting.
	3. DO NOT apply during bud swell, bud break, or at time of first flush of new growth.
	4. Direct sprays away from grafted or budded tissue on transplants at all times.

(continued)

Production Ornamentals Instructions and Restrictions¹ (continued)

Site	Application Instructions and Restrictions
Established container or field-grown nursery	1. DO NOT apply during bud swell, bud break, or at time of first flush of new growth.
stock ^{2, 3}	2. Apply as a directed or over-the-top spray.
	If newly budded or grafted root- stock, apply with a shielded sprayer.
	 Take care to ensure there are no cracks in the soil where Pendulum AquaCap could come into contact with the roots.
Bareground for container placement	Apply to soil (including mulch, gravel, wood chips, or other permeable base); then water in. Replace containerized ornamentals onto pad.
Greenhouses, shadehouses, or other enclosed structures	DO NOT apply in greenhouses, shadehouses, or other enclosed structures.

- Plant only those desirable plant species listed on this label into soil treated the previous season with **Pendulum AquaCap** or injury may occur.
- ² Before treating a large number of plants, spray a few plants and observe for 1 to 2 months for plant damage before full-scale application.
- ³ **DO NOT** treat plants grown for food or feed. **DO NOT** use treated plants for food or feed.

Refer to **Table 3. Weed Control in All Nonturfgrass Sites** for application rates.

Ornamental Tank Mixes

Emerged weeds in ornamentals can be controlled using tank mixes containing Segment™ herbicide, Roundup® herbicide, Finale® herbicide, Ornamec® herbicide, Gallery® herbicide, Princep® herbicide, and other similar products. DO NOT apply sprays containing Roundup or Finale over the top of ornamental plants.

Before tank mixing, use a simple jar test to ensure compatibility of herbicides.

Refer to manufacturer's labels for specific use directions, precautions, and limitations before tank mixing with **Pendulum AquaCap**. Follow those that are most restrictive.

Christmas Tree Plantations

Use **Pendulum® AquaCap™ herbicide** in and around Christmas tree plantations. Apply **Pendulum AquaCap** at planting or to established trees. When applying at planting, it is important to achieve slit closure to prevent **Pendulum AquaCap** from directly contacting the tree roots or being washed into the root zone via the open slit or root stunting may occur.

For postemergence weed control, tank mix combinations of Pendulum AquaCap plus Segment™ herbicide, Roundup® herbicide, Finale® herbicide, or other labeled herbicides are recommended. Refer to approved labeling for species recommendations. Determine rates for tank mix combinations from the product labels of **Pendulum** AquaCap and partner herbicides before use. Use caution to prevent combination sprays from direct contact with desirable foliage or injury may result. Pendulum AquaCap plus diuron or simazine combinations will broaden weed control spectrum; however, use of combinations may restrict Pendulum AquaCap use in sensitive areas. Refer to manufacturer's labels for specific use directions, precautions, and limitations before application. Follow those that are most restrictive. Refer to Table 3. Weed Control in All Nonturfgrass Sites for Pendulum AquaCap application rates.

Vegetation Control in Ornamental Production

Use **Pendulum AquaCap** for preemergence control of most annual grasses and certain broadleaf weeds as they germinate on noncropland areas such as sign posts, pumping installations, fence rows, storage areas, and windbreaks and shelterbelts. Pendulum AquaCap may be tank mixed with Segment, Roundup PRO® herbicide, Karmex® herbicide, Finale herbicide, diuron, glyphosate or other products to provide bareground or total vegetation control. **Pendulum AquaCap** can be used to provide greater plant selectivity in areas where such action may be desired. Such sites might have roots of landscape vegetation, ornamentals, or desirable trees encroaching into the treated zone. Refer to tank mix partner labels regarding effects on desirable plants. Applications may be made to existing weeds controlled by the partner herbicide. Determine rates from the product labels before use. Follow the most restrictive label instructions. Refer to Table 3. Weed Control in All Nonturfgrass **Sites** for **Pendulum AquaCap** application rates.

Weeds Controlled

Pendulum AquaCap will not control established weeds. If weeds germinate before herbicide activation, shallow cultivate to destroy existing weeds or, where practical, remove by hand. When cultivating for any reason, it should be shallow. Pendulum AquaCap may be used with herbicides registered for postemergence application (i.e. Roundup or Finale) for the control of established weeds. DO NOT apply sprays containing Roundup or Finale over the top of desirable plants. A Pendulum AquaCap treatment may be followed by any registered herbicide to control weeds not listed on the Pendulum AquaCap label.

The efficacy of **Pendulum AquaCap** will be improved if the application is followed by 1/2 inch of rainfall or its equivalent in sprinkler irrigation. Erratic weed control may result if **Pendulum AquaCap** is not activated by rainfall or irrigation within 30 days.

Pendulum AquaCap may be used on plant species not listed on this label. Determine the suitability for such uses by treating a small number of such plants at the specified rate. Evaluate treated plants 1 to 2 months following treatment for possible injury.

Pendulum AquaCap sprays are safe around and over the top of the established plants listed in **Table 4. Tolerant Ornamental Species**. Refer to ornamentals instructions and restrictions before application. Refer to **Table 3. Weed Control in All Nonturfgrass Sites** for application rates.

Common Name	Scientific Name	
Bedding Plants		
Ageratum	Ageratum houstonianum	
Alyssum¹	Alyssum saxatile	
Anemone, poppy-flowered	Anemone coronaria	
Artemesia	Artemesia spp.	
Balloonflower	Platycodon grandiflorum	
Begonia ¹	Begonia spp.	
Cabbage, ornamental	Brassica olereacea	
Caladium	Caladium spp.	
Cast-iron plant	Aspidistra elatior	
China aster¹	Callistephus chinensis	
Crocosmia, montebretia	Crocosmia x crocosmiiflora	
Dahlia ¹	Dahlia spp.	
Dianthus	Dianthus barbatus	
Dusty miller	Senecio cineraria	
Gayfeather	Liatris spp.	
Gazania, treasure flower	Gazania rigens	
Gazania, trailing	Gazania rigens leucolaena	
Gloxinia	Gloxinia simningia	
Kale, ornamental	Brassica napus	
Marigold, African	Tagetes erecta	
Moss rose ¹	Portulaca grandiflora	
Mum, garden	Chrysanthemum spp.	
Periwinkle ¹	Vinca major	
Periwinkle, rose	Catharanthus roseus	
Petunia ¹	Petunia spp.	
Plumosa cockscomb	Celosia cristata	
Portulaca ¹	Portulaca grandiflora	
Salvia ¹	Salvia splendens	
Snapdragon	Antirrhinum majus	

Table 4. Tolerant Ornamental Species (continued)

Common Name	Scientific Name	
Bedding Plants (continued)		
Statice ¹	Limonium spp.	
Sweet William	Dianthus barbatus	
Vinca ¹	Vinca maior	

¹ Application of **Pendulum® AquaCap™ herbicide** should not be made sooner than four weeks after transplanting for these annuals. Use the lower labeled rate.

Ground Covers	
Ajuga	Ajuga reptans
Baby sun rose	Aptenia cordifolia
Beach strawberry	Fragaria chiloensis
Capeweed	Arctotheca calendula
Cinquefoil, spring	Potentilla verna
Coyotebrush, dwarf	Baccharis pitularis
Daisy, trailing African	Osteospermum fruticosum
Dymondia	Dymondia margaretae
Gazania	Gazania splendens
Iceplant, large leaf	Carpobrotus edulis
Ivy, English	Hedera helix
lvy, geranium	Pelargonium peltatum
Jasmine, Asiatic	Trachelospermum asiaticum
Jasmine, primrose	Jasminum mesnyi
Jessamine, Carolina	Gelsemium sempervirens
Manzanita, bearberry	Arctostaphylos uva-ursi
Miscanthus	Miscanthus spp.
Mondograss	Ophiopogon japonica
Morningglory	Convolvulus spp.
Myoporum	Myoporum parviflolium
Pachysandra Pachysandra	Pachysandra terminalis
Potentilla	Potentilla fruticosa
Red apple	Aptenia cordifolia
Rosemary	Rosemarinus officinalis
Rose-of-Sharon	Hypericum calycinum
St. Johnswort, creeping	Hypericum calycinum
Sand strawberry	Fragaria chiloensis
Sedum	Sedum spurium
Stonecrop	Sedum spurium
Verbena, Peruvian	Verbena peruviana
Vervain	Verbena peruviana
Vetch, crown	Vicia sativa
Vinca	Vinca minor
Wintercreeper	Euonymous fortunei
Ornamental Grasses	
Beach grass	Ammophila breviligulata
Fescue, blue	Festuca ovina
Fescue, sheep	Festuca ovina
Fountain grass	Pennisetum setaceum
Pampas grass	Cortaderia selloana
Reed canary grass	Phalaris arundinacea
Danel signat	A d

Reed, giant Arundo spp.

Table 4. Tolerant Ornamental Species (continued)	
Common Name	Scientific Name
Ornamental Grasses (cont	inued)
Ribbon grass	Phalaris arundinacea
Tufted hair grass	Deschampsia caespitosa
Perennials	
Acacia	Acacia redolens
Asparagus	Asparagus spp.
Aster, New York	Aster novi-belgii
Aster, Stokes	Stokesia laevis
Astilibe (False spirea)	Astilibe spp.
Avens	Geum triflorum
Baby's breath	Gypsophila elegans
Baby's breath	Gypsophila paniculata
Beard-tongue	Penstemon spp.
Bellflower	Campanula spp.
Bellflower, willow	Campanula persicifolia
Bird of paradise	Caesalpinia pulcherrima
Black-eyed Susan ¹	Rudbeckia hirta
Blanket flower ¹	Gaillardia aristata
Blanket flower ¹	Gaillardia x grandiflora
Bleeding heart	Dicentra spectabilis
Butterfly weed	Asclepias tuberosa
California poppy ¹	Eschscholzia california
Calla lily	Zantedeschia aethiopica
Canna, common garden	Canna generalis 'Lucifer'
Carex	Carex spp.
Chincherinchee	Ornithogalum thyrsoides
Clover, crimson ¹	Trifolium incarnatum
Columbine	Aquilegia 'McKana Giant'
Columbine	Aquilegia x hybrida
Coreopsis (Tickseed) ¹	Coreopsis lanceolata
Crinum lily	Crinum spp.
Crocus	Crocus spp.
Daffodil (Narcissus)	Narcissus spp.
<u>Daylily</u>	
Fairy duster	• •
Fern, asparagus Fern, Boston	Ni ala da da da da da da
Fern, hay-scented	Dennstaedtia punctilobula Rumohra adiantiformis
Fern, leatherleaf ²	
Fortnight lily	
<u>Foxglove</u>	9
<u>Freesia</u>	-
Gaillardia	Gaillardia pulchella
Geum	Geum spp.
Gladiolus	' '
Heather, dwarf	
Hosta	Hosta spp.
Indian blanket ¹	•
Iris, Japanese	•
Lantana, weeping	Lantana montevidensis
Loopard'a bana	Doroniaum cardatum

Leopard's bane

Doronicum cordatum

Table 4. Tolerant Ornamental Species (continued)

Common Name	Scientific Name
Perennials (continued)	
Lily	Lillium spp.
Liriope, big blue	
Liriope, creeping	Liriope spicata
Liriope, variegated	
Montbretia	
Moonbeam	
Mugwort, Western	Artemesia ludoviciana
Nightshade	Solanum spp.
Orchid, peacock	Acidanthera bicolor
Oxeye daisy ¹	Chrysanthemum
	leucanthemum
Palm, areca	Chysalidocarpus lutescens
Palm, pygmy date	Phoenix roebelence
Palm, Washington	Washington robusta
Peony, Chinese	Paeonia lactiflora
Purple coneflower ¹	Echinacea purpurea
Purple gay-feather	
Purple loosestrife	Lythrum virgatum
Rodgersia	Rodgersia henricie
Rosemary	Rosmarinus officinalis
Sedge	Carex spp.
Shasta daisy ¹	
Statice	Limonium latifolia
Statice, German	Goniolimon tartaricum
Sweet flag	Acorus calamus
Tickseed ¹	Coreopsis lanceolata
Texas bluebonnet	Lupinus texenis
Tulip	Tulipa spp.
Wonder flower	Ornithogalum thyrsoides
	Achillea millefolium
	Zephyranthes spp.
	lerance to Pendulum® AquaCan™

¹ These plants have shown tolerance to **Pendulum® AquaCap™ herbicide** applications of 4.2 pints/A (2.1 quarts/A) in wildflower plantings established from seed.

² Applications of **Pendulum AquaCap** to immature ferns (during periods of new growth of fronds) may result in some injury.

Shrubs	
Abelia, glossy	Abelia grandiflora
Alder, witch	Fothergilla gardenii
Aucuba, gold	Aucuba japonica
Azalea	Rhododendron sp.
Bamboo, heavenly	Nandina domestica
Barberry	Berberis gladwynensis
Barberry, Japanese	Berberis thunbergii
Blue indigo bush	Dalea gregii
Bottlebrush, lemon	Callistemon citrinus
Boxwood, common	Buxus sempervirens
Boxwood, Japanese	Buxus microphylla
Brittlebush	Encelia farinosa

Table 4. Tolerant Ornamental Species (continued)

Common Name	Scientific Name
Shrubs (continued)	
Buttonbush	Cephalanthus occidentalis
Camellia	Camellia japonica
Cape jasmine	Gardenia jasminoides
Cassia, feathery	Cassia artemisioides
Cordyline	Cordyline spp.
Correa	Correa spp.
Cotoneaster	Cotoneaster apiculatus
Cotoneaster, bearberry	Cotoneaster dammeri
Cotoneaster, rock	Cotoneaster horizontalis
Cypress, Italian	Cupressus sempervirens
Cypress, Leyland	Cupressocyparis leylandii
Deutzia, slender	Deutzia gracilis
Dogwood, red twig	Cornus sericea
Elaeagnus	Elaeagnus ebbingei
Escallonia	Escallonia fradesii
Euonymus	Euonymus fortunei
Euonymus, golden	Euonymus japonica
Euonymus, winged	Euonymus alata
Firethorn	Pyracantha coccinea
Forsythia, border	Forsythia intermedia
Fragrant olive	Osmanthus fragrans
Fuchsia, California	Zauschineria californica
Gardenia	Gardenia jasminoides
Hawthorne, Indian	Raphiolepis indica
Hibiscus	I I'll to a second to a second
Holly, Chinese	_
Holly, Japanese	llex crenata
Holly, Fosters	, , , , , , , , , , , , , , , , , , ,
Holly, Savannah	
Holly, Yaupon	llex vomitoria
Honeysuckle, bush	Diervilla Ionicera
Hopseed bush	
Hopbush	
Hydrangea	
Juniper	
Juniper, Chinese	
Juniper, shore	·
Juniper, trailing	
Laurel, cherry	
Laurel, mountain	
Laurel, Otto Luyken	
	Prunus schipkanensis
1	1.77
Laurustinus Lavender, English	
Leucothoe Leucothoe, coast	
Lilac, cut-leaf	
Lily-of-the-Nile	9 ,
Mahonia Mask aranga	
<u>iviock orange</u>	Pittosporum tobira

Table 4. Tolerant Ornamental Spe	cies	(continued)
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Common Name	Scientific Name
Shrubs (continued)	
Myrtle, compact	Myrtus communis
Myrtle, wax	Myrica cerifera
Nandina	Nandina domestica
<u>Oleander</u>	Nerium oleander
Oregon grape	Mahonia aquifolium
<u>Osmanthus</u>	Osmanthus fragrans
Palm, European fan	Chamaerops humilis
Palm, Mediterranean fan	Chamaerops spp.
Phlox, prickly	Leptodactylon californicum
Photinia, Fraser	Photinia x fraseri
Pieris, Japanese	Pieris japonica
Pine, Mugo	Pinus mugo
Plum, Natal	Carissa grandiflora
Privet, California	Ligustrum ovalifolium
Privet, glossy	Ligustrum lucidum
Privet, variegated	Ligustrum sinensis
Privet, waxleaf	Ligustrum japonicum
<u>Pyracantha</u>	Pyracantha coccinea
Quince, flowering	Chaenomeles japonica
Ranger, Texas	Leucophyllum frutescens
Redroot	Ceanothus spp.
Rhododendron	Rhododendron spp.
Robira	Pittosporum tobira
Rose	Rosa spp.
Spice plant	Illicium parviflorum
<u>Spiraea</u>	Spiraea vanhouttei
Spiraea, Anthony Waterer	Spiraea x bumalda
Spiraea, Japanese	Spiraea japonica
Sweet bay	Laurus nobilis
Trumpet bush	Tecoma stans
Verbena, lemon	Aloysia triphylla
Viburnum	Viburnum suspensum
Vitex	Vitex spp.
Weigela	Weigela florida
Wild lilac	Ceanothus spp.
Wisteria	Wisteria spp.
Xylosma	Xylosma congestum
Yellowbells	Tecoma stans
Yew ¹	Taxus media
Yew, Japanese ¹	Taxus cuspidata
Yew, Southern ¹	Podocarpus macrophyllus
Yucca, Adam's needle	Yucca filamentosa
Yucca, weeping	Yucca pendula
	, uaCap™ herbicide should not be

Applications of **Pendulum® AquaCap™ herbicide** should not be made during spring growth or injury to terminals may occur.

Table 4. Tolerant Ornamental Species (continued)

Common Name	Scientific Name
Trees	
Alder, European black	Alnus glutinosa
Apple	Malus spp.
Arborvitae, American	Thuja occidentalis
Arbutus	Arbutus spp.
Ash, red	Fraxinus pennsylvanica
Ash, white	Fraxinus americana
Aspen, bigtooth	Populus grandidentata
Aspen, quaking	Populus tremuloides
Basswood	Tilia spp.
Birch, European weeping	Betula pendula
Birch, river	Betula nigra
Buckeye, red	Aesculus pavia
Cedar, white	Thuja occidentalis
Chamaecyparis, Boulevard	Chamaecyparis pisifera
Cherry, black	Prunus serotina
Cherry, choke	Prunus virginiana
Cherry, Kwanzan	Prunus serrulata
Cherry, Nanking	Prunus tomentosa
Cottonwood	Populus deltoides
	Malus spp.
Crapa murtle	
Crape myrtle	Lagerstroemia indica
Cryptomeria, Japanese cedar	Cryptomeria japonica
Cypress, bald	Taxodium distichum
Cypress, Leyland	Cupressocyparis leylandii
Dogwood, flowering	Cornus florida
Dogwood, Korean	Cornus kousa
Dogwood, shrub	Cornus spp.
Dogwood, silky	Cornus amomum
<u>Elm</u>	Ulmus japonica
Elm, winged	Ulmus alata
Eucalyptus (Silver-dollar) tree	Eucalyptus cinerea
Fir, balsam	Abies balsamae
Fir, Douglas	<u> </u>
Fir, Fraser	Abies fraseri
Fir, white	
	Franklinia spp.
=	Chlonenthus retusus
Ginkgo	_
Gum, black	Nyssa sylvatica
Gum, sour	Nyssa sylvatica
Haw, black	Viburnum prunifolium
<u>Hawthorn</u>	
Hemlock, Canada	0
Hemlock, Eastern	
Holly, American	
Honeylocust	Gleditsia triacanthos
Lilac, common	
Lilac, Japanese tree	Syringa reticulata
Linden	Tilia spp.

Table 4. Tolerant Ornan	nental Species (continued)
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	Continued)
Common Name	Scientific Name
Trees (continued)	
Magnolia, saucer	Magnolia soulangiana
Magnolia, Southern	Magnolia grandiflora
Magnolia, star	Magnolia stellata
Maidenhair tree	Ginkgo biloba
Maple, Japanese	
Maple, Norway	
Maple, red	
Maple, sugar	Acer saccharum
Nannyberry, rusty	
Oak, chinquapin	
Oak, live	_
Oak, pin	3
Oak, red	Quercus rubra
Oak, swamp chestnut	
Oak, water	
Oak, white	
Oak, willow	•
Olive	
Palm, date	
Palm, fan	
Palm, pindo	
Palm, Washington	
Peach	Prunus persica
Pear, Bradford	Pyrus calleryana 'Bradford'
Pecan	Carya illinoensis
Pine, Austrian	Pinus nigra
Pine, Italian stone	Pinus pinea
Pine, loblolly	
Pine, Monterey	
Pine, red	D' '
Pine, Scotch	Pinus sylvestris
Pine, Virginia	-
Pine, white	Pinus strobus
Plum, purple leaf	
Poplar, black	Populus nigra
Redcedar, Eastern	,
Redcedar, Western	Thuja plicata
Red ironbark	Eucalyptus sideroxylon
ned ilonbark	'Rosea'
Redwood, dawn	Metasequoia
rioawood, dawri	glyptostroboides
Sequoia, giant	Sequoiadendron giganteum
Serviceberry Serviceberry	Amelanchier laevis
Sourwood	Oxydendrum arboreum
Spruce, Colorado blue	, ,
Spruce, dwarf Alberta	_
Spruce, Norway	
Spruce, white	
Sweetgum	
Sycamore	Platanus occidentalis

Table 4. Tolerant Ornamental Species (continued)

Common Name Scientific Name

Trees (continued)

Trachycarpus Trachycarpus spp.

Tulip tree Liriodendron tulipifera

Walnut, black Juglans nigra

Willow, weeping Salix babylonica

Yellowwood Cladrastis lutea

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000241-00416.20090611b.**NVA 2009-04-194-0050**

Supersedes: NVA 2007-04-194-0176

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