

# UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON D C 20460

OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

JUN 2 1 2012

Rebecca Clemmer United Phosphorus, Inc 630 Freedom Business Center Suite 402 King of Prussia, PA 19406

Subject Notification per PR Notice 98-10 – Add Alternate Brand Name and add Resistance

Management Group Number

Pendi Hydrocap

EPA Reg No 70506-230

Application Dated - June 4, 2012

Proposed Alternate Name Up-End HydroCap Herbicide

Dear Ms Clemmer

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the subject product

The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10. The label submitted with the application has been date-stamped "Notification" and will be placed in our records

If you have any questions regarding this letter, please contact Maggie Rudick at (703) 347-0257 or <a href="maggie@epa gov">rudick maggie@epa gov</a>

Sincerely,

Kable Bo Davis, Product Manager 25

Herbicide Branch

Registration Division (7505P)

Form Approved OMB No 2070 0060 Approval expires 5 31 98 Please read instructions on reverse before completing form **OPP Identifier Number** Registration **United States Amendment Environmental Protection Agency** Other Washington DC 20460 Application for Pesticide - Section I 2 EPA Product Manager Company/Product Number 3 Proposed Classification 70506 230 Bo Kable Davis 4 Company/Product (Name) PM# Restricted None United Phosphorus Inc/UP End HydroCap herbicide 25 5 Name and Address of Applicant (Include ZIP Code) 6 Expedited Review In accordance with FIFRA Section 3(c)(3) United Phosphorus Inc. (b)(i) my product is similar or identical in composition and labeling 630 Freedom Business Center Suite 402 King of Prussia PA 19406 **EPA Rea No** Check if this is a new address **Product Name** Section - II Amendment - Explain below Final printed labels in response to Agency letter dated NOTIFICATION Resubmission in response to Agency letter dated \_\_\_\_ Me Too Application JUN 2 1 2012 Notification - Explain below Other - Explain below Explanation Use additional page(s) if necessary (For Section I and Section II) Notification of Alternate Brand Name UP End HydroCap herbicide This notification is consistent with the provisions of PR Notice 98 10 and EPA regulations at 40 CFR 152 46 and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA I further understand that if this notification is not consistent with the terms of PR Notice 98 10 and 40 CFR 152 46 this product may be in violation o FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA Section III 1 Material This Product Will be Packaged in Child Resistant Packaging Unit Packaging Water Soluble Packaging Type of Container Yes Yes Yes Metal Plastic No No No Glass No per \*Certification must Yes If Yes No per Paper Unit Packaging wgt container Package wgt container Other (Specify) be submitted 3 Location of Net Contents Information 4 Size(s) Retail Container Location of label directions On Label Label Container On Label accompanying product 6 Manner in Which Label is Affixed to Product Lithograph Other Paper glued Stenciled Section IV 1 Contact Person (Complete items directly below for identification of individual to be contacted if necessary to process this application.) Name Title Telephone No (Include Area Code) Regulatory Manager 610 491 2828 Rebecca A Clemmer Certification Date Application I certify that the statements I have made on this form and all attachments thereto are true accurate and complete Received I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law (Stamped) 2 Signature 3 Title Regulatory Manager 5 Date 4 Typed Name June 4 2012 Rebecca A Clemmer

EPA Form 8570 1 (Rev 8 94) Previous editions are obsolete

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Yellow - Applicant Copy 6



# United Phosphorus, Inc.

630 Freedom Business Center Suite 402 King of Prussia, PA 19406 (610) 491 2828 (phone) (610) 491 2810 (fax) Rebecca A Clemmer Regulatory Manager

June 4, 2012

Document Processing Desk (NOTIF)
Office of Pesticide Programs (H7504P)
U S Environmental Protection Agency
Ariel Rios Building
1200 Pennsylvania Ave, N W
Washington, D C, 20460

Re Pendi Hydrocap Herbicide (EPA Reg No 70506-230) Notification of Alternate Brand Name

Dear Mr Davis

United Phosphorus, Inc is notifying the Agency of the use of an alternate brand name for the product Pendi Hydrocap Herbicide The alternate name is <u>UP-End HydroCap herbicide</u> We are also removing reference to the website from the label and adding the resistance group information

In support of this action, enclosed please find a marked copy of the label, clean copy of the label, and EPA form 8570-1

Please contact me if you have any questions

Very truly yours,

Rebecca A Clemmer

rebecca clemmer@uniphos com

GROUP HERBICIDE

# UP-End UP-End HydroCap<sup>TM</sup>

# Herbicide

For Preemergent Weed Control in Turfgrasses, Landscape or Grounds Maintenance, Noncropland Areas and Ornamental Production

pendimethalin N (1 ethylpropyl) 3 4 dimethyl 2 6 dinitrobenzenamine OTHER INGREDIENTS

38 7% 61\_3%

**TOTAL** 

100 0%

(1 gallon contains 3 8 lbs of microencapsulated pendimethalin in an aqueous carrier)

# KEEP OUT OF REACH OF CHILDREN CAUTION/PRECAUCION

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)

	FIRST AID			
If in eyes	Hold eye open and rinse slowly and gently with water for 15 20 minutes Remove contact lenses if present after first 5 minutes then continue rinsing eye Call a poison control center or doctor for treatment advice			
Have the product container or label with you when calling a poison control center or doctor or going for treatment For medical treatment call the Rocky Mountain Poison Control Center at 1 866 673 6671				

FOR CHEMICAL EMERGENCY Spill leak fire exposure or accident call CHEMTREC 1 800 424 9300



United Phosphorus Inc 630 Freedom Business Center Suite 402 King of Prussia PA 19406

EPA Reg No 70506 230 **EPA Est No** 

1 800 247 1557 - www.upi-usa.com

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**Net Contents** 

NOTIFICATION JUN 2 1 2012



# PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS

#### **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 instruction 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 labeling must be in the possession of the user at time of herbicide application.

Do not apply this product through any type of irrigation system

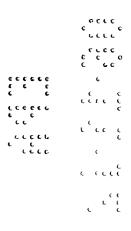
UPI does not authorize the use of this product in manufacturing processing or preparing custom blends with other products for application to turf or ornamentals

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 <u>UP-ENDUP END HYDROCAP</u> herbieide in greenhouses shadehouses or other enclosed structures

Not for use for commercial seed production



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## 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 in tructions 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

### NON AGRICULTURAL 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

#### MODE OF ACTION

UP-EndUP End HydroCap 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, a stopped usually before emergence from the soil.

## PRODUCT INFORMATION

APPLICATION USE SITES - for preemergence control of grasses and certain broadleaf weed species as they germinate

Turfgrass sites (golf course lawns sod farms and other turf areas) and landscape ornamental maintenance areas 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

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

Noncropland areas 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

Bulb plantings non bearing fruit and nut tree nurseries conifer and hardwood seedling nurseries and tree plantations for site preparation and maintenance Applications can be made on but are not limited to plant species listed on this label such as trees shrubs groundcovers perennials bulbs ornamental grasses and bedding plants

In and around field liner and container ornamental production



# 70824

#### APPLICATION INSTRUCTIONS

UP-EndUP End HydroCap will not control established weeds. Therefore areas to be treated should be free of established weeds at the time of treatment or use UP-EndUP Ind HydroCap together 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 to be used and precautions or restrictions for use in these areas. The efficacy of UP-EndUP End HydroCap will be best if the application is followed by one half inch of rainfall or its equivalent in sprinkler irrigation. If UP-EndUP End HydroCap is not activated by rainfall or irrigation within 30 days weed control may be erratic.

When applied according to label directions and under normal growing conditions UP-EndUP End HydroCap or UP-EndUP End HydroCap tank mix combinations will not cause crop injury. Over application can cause 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 UP-EndUP End HydroCap

#### MIXING INSTRUCTIONS

<u>UP-EndUP End HydroCap</u> 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 <u>UP-EndUP End HydroCap</u> alone

When using tank mixtures or sequential applications with <u>UP-End UP End HydroCap</u>, 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

#### Mixing Instructions

1 Fill tank 1/2 to 3/4 full with clean water or liquid fertilizer and agitate Before mixing UP-EndUP End HydroCap or UP-EndUP End HydroCap tank mixtures in liquid fertilizer refer to appropriate label sections for recommended uses in liquid fertilizer application instructions and compatibility determinations

#### 2 UP-EndUP End HydroCap

When using <u>UP-EndUP End HydroCap</u> alone add <u>UP-EndUP End HydroCap</u> to the partially filled tank while agitating and then fill the remainder of the tank with water or liquid fertilizer

## 3 UP-EndUP End HydroCap Tank Mixes

Add the tank mixture ingredients in the order listed below before adding UP-EndUP End HydroCap

- (a) 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
- (b) Dry Flowable (DF)/Water Dispersible Granule (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
- (c) Flowable (F) formulations add the F formulation to the partially filled tank while agitating
- (d) Add UP-EndUP End HydroCap to the partially filled tank while agitating
- (e) Water Soluble Concentrate (WSC) formulations add the WSC formulation to the partially filled tank while agitating
- (f) 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

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

#### 5 BACKPACK SPRAYER

Begin with a clean spray tank Fill the spray tank one half full with clean water and add the required amount of UP-EndUP End HydroCap Cap sprayer and agitate to ensure mixing Uncap sprayer and finish filling tank to desired level Cap sprayer and agitate 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 agitate thoroughly before spraying is resumed

#### 6 LIQUID FERTILIZERS

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Before mixing always test small quantities using a simple jar test. Add the required amount of <u>UP-EndUP End HvdroCap</u> to a half filled spray tank while agitating then add the fertilizer product. Complete filling spray tank to desired level

#### SPRAYING INSTRUCTIONS

#### **GROUND APPLICATIONS**

Apply with properly calibrated ground equipment in sufficient water per acre to uniformly treat the area using a spray pressure of 25 to 50 psi. Suggested spray volumes are 20 200 gpa for professional turfgrass landscape and ornamental applications and 10 200 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 listed. Do not apply when winds may cause drift

Avoid contact of spray solution with driveways stone wood or other porous surfaces. If contact occurs rinse immediately with water to avoid staining. Do not mechanically scrub until the surface area is thoroughly rinsed. Allow treated turfgrass to dry before entering to avoid staining onto non treated surfaces.

#### **AERIAL APPLICATIONS**

Apply uniformly in 5 or more gallons of water per acre. Take care 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. To avoid overlapping and possible crop injury use a flagman or an automatic mechanical flagging unit on the aircraft.

Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment and weather related factors determine 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 applications 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 air stream and never be pointed downwards more than 45 degrees

Observe more stringent state regulations. The applicator must be familiar with and take into account the information covered in the Aerial Drift Reduction Advisory Information presented below.

#### 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.
- 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



90424

Do not apply 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 downward. 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. Increase swath adjustment distance with increasing drift potential (higher wind smaller droplets etc.)

#### WIND

Drift potential is lowest between wind speeds of 2 10 mph. However, many factors, including droplet size and equipment type, determine drift potential at any given speed. Do not apply when wind is below 2 mph due to variable wind direction and high inversion potential. NOTE Local terrain can influence wind patterns. Every applicator must be familiar with local wind patterns and how they affect spray drift.

#### TEMPERATURE AND HUMIDITY

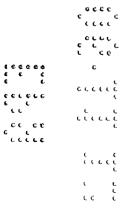
When making applications in low relative humidity set up equipment to produce larger droplets to compensate for evaporation. Droplet evaporation is most severe when conditions are both hot and dry

#### TEMPERATURE INVERSIONS

Do not apply during a temperature inversion because drift potential is high. Temperature inversions restrict vertical air mixing which 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

Apply the pesticide only when the potential for drift to adjacent sensitive areas (e.g. residential areas bodies of water known habitat for threatened or endangered species or non target crops) is minimal (e.g. when wind is blowing away from the sensitive areas)





# Table 1 RESIDENTIAL GOLF COURSE COMMERCIAL AND OTHER NON RESIDENTIAL TURFGRASS USES

**Application Rates For Preemergence Weed Control** 

Weeds	fl oz	pints	Comments
		Product per acre	
	1,000 sq ft		
LASSES			
			Make a repeat
			application of 2 2 to 3 1
		re weed germination in	pints/A (0 86 to 1 1
	spring		oz/1000 sq ft) after 5
			control or where heavy
			weed infestations are
			expected
Poa annua			Companies
Prostrate Spurge			
Purslane			
Goosegrass			Make a repeat
			application of 3 1
		3 1 to 4 2 pints	pints/Acre (1 1 oz/1000
			sq ft) if the lower rate
			was used initially or for extended goosegrass
			control after 5 8 weeks
		ie weed germination in	Control arter 5 o woods
Chickweed		irf Hees	Apply in late summer o
			early fall before weed
Cudweed			germination App y a
Henbit			repeat application of 3
			to 4 2 pints (1 1 to 1 6
Poa annual			oz/1 000 sq ft ) after 5
			weeks for extended Poo
			annua control
Dormandarasa	Allor		
Barnyardgrass Craborass		urf Uses	Make a repeat
Crabgrass	(Non Gree	ns and Tees)	application of 2 2 to 3 1
	(Non Gree	ns and Tees) 3 1 pints	application of 2 2 to 3 1 pints/Acre (0 86 to 1 1
Crabgrass Evening Primrose	(Non Gree 1 1 fl oz Initial application befo	ns and Tees)	application of 2 2 to 3 1
Crabgrass Evening Primrose Fall Panicum Foxtail Hop Clover	(Non Gree	ns and Tees) 3 1 pints	application of 2 2 to 3 1 pints/Acre (0 86 to 1 1 oz/1000 sq ft) after 5 8 weeks for extended control or where heavy
Crabgrass Evening Primrose Fall Panicum Foxtail Hop Clover Knotweed	(Non Gree 1 1 fl oz Initial application befo	ns and Tees) 3 1 pints	application of 2 2 to 3 1 pints/Acre (0 86 to 1 1 oz/1000 sq ft ) after 5 8 weeks for extended control or where heavy weed infestations are
Crabgrass Evening Primrose Fall Panicum Foxtail Hop Clover Knotweed Poa annua	(Non Gree 1 1 fl oz Initial application befo	ns and Tees) 3 1 pints	application of 2 2 to 3 1 pints/Acre (0 86 to 1 1 oz/1000 sq ft) after 5 8 weeks for extended control or where heavy
Crabgrass Evening Primrose Fall Panicum Foxtail Hop Clover Knotweed Poa annua Oxalis	(Non Gree 1 1 fl oz Initial application befo	ns and Tees) 3 1 pints	application of 2 2 to 3 1 pints/Acre (0 86 to 1 1 oz/1000 sq ft ) after 5 8 weeks for extended control or where heavy weed infestations are
Crabgrass Evening Primrose Fall Panicum Foxtail Hop Clover Knotweed Poa annua Oxalis Prostrate Spurge	(Non Gree 1 1 fl oz Initial application befo	ns and Tees) 3 1 pints	application of 2 2 to 3 1 pints/Acre (0 86 to 1 1 oz/1000 sq ft ) after 5 8 weeks for extended control or where heavy weed infestations are
Crabgrass Evening Primrose Fall Panicum Foxtail Hop Clover Knotweed Poa annua Oxalis Prostrate Spurge Purslane	(Non Gree 1 1 fl oz Initial application befo spring	ns and Tees) 3 1 pints re weed germination in	application of 2 2 to 3 1 pints/Acre (0 86 to 1 1 oz/1000 sq ft ) after 5 8 weeks for extended control or where heavy weed infestations are expected
Crabgrass Evening Primrose Fall Panicum Foxtail Hop Clover Knotweed Poa annua Oxalis Prostrate Spurge	(Non Gree  1 1 fl oz  Initial application beforspring  All T	ns and Tees)  3 1 pints  The weed germination in the w	application of 2 2 to 3 1 pints/Acre (0 86 to 1 1 oz/1000 sq ft ) after 5 8 weeks for extended control or where heavy weed infestations are expected  Apply a repeat
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Crabgrass Evening Primrose Fall Panicum Foxtail Hop Clover Knotweed Poa annua Oxalis Prostrate Spurge Purslane	(Non Gree  1 1 fl oz  Initial application before spring  All T (Non Gree  1 1 fl oz	ns and Tees) 3 1 pints re weed germination in  urf Uses ns and Tees) 3 1 pints	application of 2 2 to 3 1 pints/Acre (0 86 to 1 1 oz/1000 sq ft ) after 5 8 weeks for extended control or where heavy weed infestations are expected  Apply a repeat application of 3 1 pts/Acre (1 1 oz/1000 s ft ) for extended
Crabgrass Evening Primrose Fall Panicum Foxtail Hop Clover Knotweed Poa annua Oxalis Prostrate Spurge Purslane	(Non Gree  1 1 fl oz  Initial application before spring  All T (Non Gree  1 1 fl oz  Initial application before)	ns and Tees) 3 1 pints re weed germination in  urf Uses ns and Tees)	application of 2 2 to 3 1 pints/Acre (0 86 to 1 1 oz/1000 sq ft ) after 5 8 weeks for extended control or where heavy weed infestations are expected  Apply a repeat application of 3 1 pts/Acre (1 1 oz/1000 s ft ) for extended
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Crabgrass Evening Primrose Fall Panicum Foxtail Hop Clover Knotweed Poa annua Oxalis Prostrate Spurge Purslane Goosegrass  Chickweed Corn Speedwell	(Non Gree  1 1 fl oz  Initial application before spring  All T (Non Gree  1 1 fl oz  Initial application before spring  All T (Non Green  All T (Non Green  All T (Non Green	urf Uses and Tees)  3 1 pints  re weed germination in  urf Uses and Tees)  3 1 pints  re weed germination in  urf Uses and Tees)	application of 2 2 to 3 1 pints/Acre (0 86 to 1 1 oz/1000 sq ft ) after 5 8 weeks for extended control or where heavy weed infestations are expected  Apply a repeat application of 3 1 pts/Acre (1 1 oz/1000 s ft ) for extended goosegrass control after 5 8 weeks Apply in late summer of early fall before weed
Crabgrass Evening Primrose Fall Panicum Foxtail Hop Clover Knotweed Poa annua Oxalis Prostrate Spurge Purslane Goosegrass  Chickweed Corn Speedwell Cudweed	(Non Gree  1 1 fl oz  Initial application before spring  All T (Non Gree  1 1 fl oz  Initial application before spring  All T All T	urf Uses and Tees) 3 1 pints re weed germination in  urf Uses ns and Tees) 3 1 pints re weed germination in  urf Uses	application of 2 2 to 3 1 pints/Acre (0 86 to 1 1 oz/1000 sq ft ) after 5 8 weeks for extended control or where heavy weed infestations are expected  Apply a repeat application of 3 1 pts/Acre (1 1 oz/1000 s ft ) for extended goosegrass control after 5 8 weeks Apply in late summer o
Crabgrass Evening Primrose Fall Panicum Foxtail Hop Clover Knotweed Poa annua Oxalis Prostrate Spurge Purslane Goosegrass  Chickweed Corn Speedwell	(Non Gree  1 1 fl oz  Initial application before spring  All T (Non Gree  1 1 fl oz  Initial application before spring  All T (Non Green  All T (Non Green  All T (Non Green	urf Uses and Tees)  3 1 pints  re weed germination in  urf Uses and Tees)  3 1 pints  re weed germination in  urf Uses and Tees)	application of 2 2 to 3 1 pints/Acre (0 86 to 1 1 oz/1000 sq ft ) after 5 8 weeks for extended control or where heavy weed infestations are expected  Apply a repeat application of 3 1 pts/Acre (1 1 oz/1000 s ft ) for extended goosegrass control after 5 8 weeks Apply in late summer of early fall before weed
	ASSES  Barnyardgrass Crabgrass Evening Primrose Fall Panicum Foxtail Hop Clover Knotweed Oxalis Poa annua Prostrate Spurge Purslane Goosegrass  Chickweed Corn Speedwell Cudweed	Weeds  fl oz Product per 1,000 sq ft  ASSES  Barnyardgrass Crabgrass Evening Primrose Fall Panicum Foxtail Hop Clover Knotweed Oxalis Poa annua Prostrate Spurge Purslane  Goosegrass  Residential Turf U: 11 to 16 fl oz Golf Course, Comm Residential T 11 to 2 3 oz Initial application before spring  Chickweed Corn Speedwell Cudweed Henbit Lawn Burweed Poa annual	Product per 1,000 sq ft  ASSES  Bamyardgrass Crabgrass Crabgrass Evening Primrose Fall Panicum Foxtail Hop Clover Knotweed Oxalis Poa annua Prostrate Spurge Purslane  Goosegrass  Residential and Sod Farm Turf Uses Only  1 to 1 6 fl oz 3 to 4 2 pints  Residential and Sod Farm Turf Uses Only  1 to 1 6 fl oz 3 to 4 2 pints  Golf Course, Commercial and Other Non Residential Turf Uses Only  1 to 2 3 oz 3 to 6 3 pints Initial application before weed germination in spring  Chickweed Corn Speedwell Cudweed Henbit Lawn Burweed Poa annual

UP-END herbieide UP End HydroCap 1				
Turfgrass Species	Weeds	fl oz.	pints	Comments
		Product per	Product per acre	7
		1 000 sq ft		
WARM SEASON GR	ASSES			
Bahiagrass	Barnyardgrass	Residential a	ind Sod Farm	Make a repeat
Bermudagrass	Crabgrass		es Only	application of 2 2 to 3 1
Buffalograss	Evening Primrose	1 1 to 1 6fl oz	3 1 to 4 2 pints	pints/Acre (0 86 to 1 1
Centipedegrass	Fall Panicum	Golf Course Comme	ercial and Other Non	oz/1000 sq ft) after 5 8
Fescue Tall	Foxtail	Residential T	urf Uses Only	weeks if necessary
Paspalum	Hop Clover	1 1 to 2 3 fl oz	3 1 to 6 3 pints	
seashore	Knotweed	Initial application befor	e weed germination in	1
St Augustinegrass	Poa annua	spring		!
Zoysiagrass	Oxalis	!		İ
Ì	Prostrate Spu ge	1		
	Purslane	· · · · · · · · · · · · · · · · · · ·		<del> </del>
	Goosegrass		rf Uses	An additional application
		(Non Green		of 3 1 pt/A re (1 1
	!	1 1 fl oz	3 1 pints	oz/1000 sq ft) may be made for extended
		Apply before weed gerr	nination in spring	goosegrass control 8
		Make a second applicat		weeks after the second
	1	oz/1000 sq ft ) 5 8 weel	ks later	application
	Chickweed	All Tu	rf Heac	Apply in late summer or
	Corn Speedwell	All Iu	I USES	early fall before weed
	Cudweed	11 to 16 fl oz	3 1 to 4 2 pints	germination Make a
	Henbit	1110101102	3 1 to 4 2 pints	repeat application of 3 1
	Lawn Burweed			to 4 2 pints (1 1 to 1 6
	Poa annua			oz/1 000 sq ft ) 5 8
				weeks for extended Poa
				annua control

Do not use more than 4 2 pints (2 1 quarts) <u>per acre per application</u> on residential and sod farm turfgrass Do not use more than 6 3 pints (3 1 quarts) <u>per acre per application</u> on golf course turfgrass commercial or other non residential turfgrass

The efficacy of <u>UP-EndUP End HydroCap</u> is best if the application is followed by one half inch of rainfall or its equivalent in sprinkler irrigation. If <u>UP-EndUP End HydroCap</u> is not activated by rainfall or irrigation within 30 days weed control may be erratic

To prevent establishment of weeds along the edges of treated area it may be necessary to overlap the spray three to six inches onto sidewalks or driveways etc. to ensure effective application rates in these especially vulnerable ites. Where temporary discoloration of pavement is undesirable. Do not rub or scrub surface, but ruise are, immediately using a heavy spray of water to avoid staining. Allow treated turfgrass to dry before entering to avoid staining non treated surfaces.

#### TURFGRASS TANK MIXES

<u>UP-EndUP End HydroCap</u> can be mixed with postemergence herbicides to control emerged weeds in non residential turfgrasses. For annual grass control applications can be made with DRIVE<sup>®</sup> or MSMA to control emerged weeds.

Broadleaf weeds can be controlled using Trimec Three Way 2 4 D and other similar products

Before tank mixing perform a simple jar test to insure compatibility of herbicides

Refer to manufacturers labels for specific use directions precautions and limitations before tank mixing with UP-EndUP End HydroCap and follow those that are most restrictive

# TURFGRASS RESTRICTIONS



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

<sup>&</sup>lt;sup>3</sup> Not for use on bentgrass or *Poa annua* greens or tees

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- Use on well established turfgrass with a dense and uniform stand. If turf has been thinned or damaged due to winter injury excessive moisture etc. allow turf to recover before application.
- On newly planted areas do not apply until the turfgrass has filled in and has been mowed at least four times
  Applications made to overseeded warm season turfgrasses 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 of treated turfgrass for at least three (3) months following the last UP-END
   herbieideUP End HydroCap application
- Delay sprigging turfgrass for five (5) months after application

#### LANDSCAPE AND GROUNDS MAINTENANCE

UP-EndUP End HydroCap can be incorporated into landscape and grounds maintenance programs to provide extended preemergence control of most annual grasses and certain broadleaf weeds in areas such as mulch beds parking areas and roadsides fencelines and borders and around statuary or monuments. Ensure that these areas are free of emerged weeds before application. To remove emerged weeds either cultivate or tank mix UP-EndUP End HydroCap with a postemergence product labeled for such use

Not all ornamental species or cultivars of species have been tested for plant safety. Refer to the list of ornamental plant species found in this label. While UP-LindUP End HydroCap may be used on plant species not listed on this label a small number of plants should be tested at the specified rate to evaluate suitability before a broad use application is made.

Refer to Table 2 Application Rates for Weed Control in Ornamental Plantings Tree Plantations and Other Noncropland Areas Avoid contact of spray solution with stone wood or other porous surfaces as staining may occur Rinse surfaces immediately using a heavy spray of water to avoid staining

#### ORNAMENTAL PLANTINGS AND TREE PLANTATIONS INCLUDING NONCROPI AND AREAS

Use <u>UP-EndUP End HydroCap</u> for grounds maintenance in noncropland areas preemergence control of the weed species listed in and around established tree plantations for site preparation and maintenance and conifer and hardwood seedling nurseries and pulpwood and fiber farms <u>UP-EndUP End HydroCap</u> may be used for hardwood and conifer regeneration on conservation reserve program (CRP) land <u>UP-EndUP End HydroCap</u> can also be used in Christmas trees and non bearing fruit and nutcrops and vineyards established or bulb and wildflower field plantings and in and around established ornamentals planted in noncropland areas such as highway rights of way and utility substations Refer to Table 2 Application Rates for Weed Control in Ornamentals Plantings, Tree Plantations and Other Noncropland Areas

Applications at planting or to established trees. When applying at planting it is important that slit closure be achieved to prevent UP-EndUP End HydroCap from directly contacting the tree roots or being washed into the root zone via the open slit or root stunting may occur. Refer to section on Instructions and Restrictions in Landscape and Ornamental Plantings before making an application.

For postemergence control of weeds use tank mix combinations of <u>UP-EndUP End HydroCap</u> plus VANTAGE® Roundup® Finale® or other labeled herbicides Refer to approved labeling for species recommendations. Determine rates for the tank mix compounds from the product labels of both <u>UP-EndUP End HydroCap</u> and partner herbicides before use. Take care to prevent combination sprays from direct contact with desirable foliage or injury may result <u>UP-EndUP End HydroCap</u> plus diuron or simazine combinations will broaden weed control spectrum however use of combinations may restrict <u>UP-EndUP End HydroCap</u> usage in sensitive areas. Refer to manufacturers labels for specific use directions precautions and limitations before use and follow those that are most restrictive.

#### ORNAMENTAL BULBS

UP-EndUP End HydroCap may be applied for control of susceptible annual weeds in ornamental bulbs listed under the Perennial Section on the label (crocus daffodil [narcissus] gladiolus lilies tulip etc.) Apply UP-EndUP End HydroCap before during or after bulb emergence. If weeds have already germinated add a labeled postemergence herbicide to control emerged weeds.

#### WILDFLOWERS

**UP-EndUP End HydroCap** may be applied for control of susceptible annual weeds in plantings of wildflowers listed in the Perennial section on the label. Those perennial species noted (\*Black eyed Susan California Poppy Coreopsis Oxeye Daisy etc.) have been evaluated for plant tolerance to applications of **UP-EndUP End HydroCap** at 4.2 pints (2.1 quarts) per acre. **UP-EndUP End HydroCap** may be applied to established perennial



wildflowers before emergence of weeds or wildflowers. For wildflowers being established from seed 2pply #P-EndUP End HydroCap 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 making an application.

Due to the diversity of species and varieties which exist in areas where wildflowers are grown the response to UP-EndUP End HydroCap may vary greatly Test desirable species carefully to determine if area wide applications can be made

#### NON BEARING FRUIT AND NUTCROPS AND VINEYARDS

UP-EndUP End HydroCap may be applied for preemergence control of most annual grasses and certain broadleaf weeds on the following non bearing crops

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

#### NON CROPLAND WEED CONTROL

Use <u>UP-End herbicide UP End HydroCap</u> 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

<u>UP-EndUP End HydroCap</u> will provide preemergence control of the annual grasses and broadleaf weeds listed in Weed Species Controlled section of this label that might germinate in established grasses in rights of way roadsides construction sites parks substations or lots

Apply before weeds germinate A postemergence herbicide such as 2 4 D DRIVE® VANTAGE® 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

UP-End UP End HydroCap may be tank mixed with ARSENAL® SAHARA® PLATEAU® VANTAGE® Roundup® PRO Karmex® Finale® Oust® diuron glyphosate or other products to provide bare ground or total vegetation control UP-End UP End HydroCap 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 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 use a combination of <u>UP-End UP End HydroCap</u> with ARSENAL herbicide or diuron if control has been a problem for other herbicides



# TABLE 2 APPLICATION RATES FOR WEED CONTROL IN LANDSCAPE ORNAMENTALS, TREE PLANTATIONS AND OTHER NONCROP AREAS\*

For preemergence control of the weed species listed apply UP-EndUP End HydroCap as follows

Length of Control	Product per Acre	Product per 1000 sq ft
Short Term Control (2-4 months)	2 1 Quarts	1 6 fl oz
Long Term Control (6 8 months)	4 2 Quarts	3 2 fl oz

<sup>\*</sup>For all turfgrass weed control rates refer to Table 1 instructions

For extended weed control repeat applications of UP-EndUP End HydroCap can be made

#### INSTRUCTIONS AND RESTRICTIONS

#### LANDSCAPE AND ORNAMENTAL PLANTINGS<sup>1</sup>

Site	Application Instructions and Restrictions
Landscape Plantings <sup>2</sup>	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
	Use the lowest labeled rate when making applications to annuals Repeat applications can be made for extended landscape weed control
Ornamental Bulbs <sup>3</sup>	1 UP-EndUP End HydroCap may be applied to bulb species listed on the label
	2 Apply before during or after bulb emergence but not during bloom
Wildflowers <sup>3</sup>	UP-EndUP End HydroCap 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 at 4 weeks after wildflowers have germinated but before weed seed germination

Plant only those desirable plant species listed on this label into soil treated the previous season with <u>UP-EndUP</u> <u>End HydroCap</u> or mjury may occur

# HAND HELD SPRAY EQUIPMENT

Use table 2 above to determine the amount of <u>UP-End\_UP End HydroCap</u> to be applied per 1000 square feet in sufficient water for thorough coverage without runoff Calibration of backpack or other hand held 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

UP-EndUP End HydroCap will not control established weeds If weeds germinate before activation of herbicide shallow cultivate to destroy existing weeds or where practical remove by hand Any necessary cultivation must be shallow UP-EndUP End HydroCap may be used together with herbicides registered for postemergence use (i e glyphosate or Finale) for the control of established weeds Do not apply sprays containing glyphosate or Finale over the top of desirable plants A UP-EndUP End HydroCap treatment may be followed by any registered herbicide to control weeds not listed on the UP-EndUP End HydroCap label

The efficacy of <u>UP-EndUP End HydroCap</u> will be best if the application is followed by one half inch of rainfall or its equivalent in sprinkler irrigation. Erratic weed control may result if <u>UP-EndUP End HydroCap</u> is not activated by rainfall or irrigation within 30 days.

The following grass and broadleaf weeds are controlled by preemergence treatments of <u>UP-End-herbieideUP End-HydroCap</u> at the above specified rates

GRASSES CONTROLLED		Bluegrass Annual	Poa annua
Common Name	Scientific Name	Crabgrass Crowfootgrass	Digitaria spp Dactyloctenium
Barnyardgrass	Echinochloa crus	Crowrootgrass	aegyptium
	gallı	Foxtail Giant	Setarıa faberı



<sup>&</sup>lt;sup>2</sup> Do not treat plants grown for food or feed Do not use treated plants for food or feed

<sup>&</sup>lt;sup>3</sup> Before treating a large number of plants spray a few plants and observe for 1 2 months for plant damage before full scale application

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Foxtail Green	Setaria viridis	Chickweed Mouseear	Cerastium vulgatum
Foxtail Yellow	Setaria glauca	Clover Hop	Trifolium procumbens
Goosegrass	Eleusine indica	Cudweed	Gnaphalium spp
Itchgrass	Rottboellıa exaltata	Evening primrose	Oenothera biennis
Johnsongrass (from seed)	Sorghum halepense	Fiddleneck	Amsınckıa ıntermedia
Junglerice	Echinochloa colona	Fılaree	Erodium spp
Lovegrass (from seed)	Eragrostis spp	Henbit	Lamium amplexicaule
Panicum Browntop	Panicum fasciculatum	Knotweed prostrate	Polygonum aviculare
Panicum Fall	Panicum	Kochia	Kochia scoparia
	dıchotomıflorum	Lambsquarters	Chenopodium album
Panicum Texas	Panicum texanum	Pigweed	Amaranthus spp
Sandbur Field	Cenchrus incertus	Puncturevine	Tribulus terrestris
Signalgrass	Brachiaria	Purslane	Portulaca oleracea
	platyphylla	Pusley Florida	Rıchardıa scabra
Sprangletop Mexican	Leptochloa uninervia	Rocket London	Sisymbrium irio
Sprangletop Red	Leptochloa filiformis	Shepherdspurse	Capsella bursa
Witchgrass	Panıcum capıllare		pastoris
Woolly Cupgrass	Eriochloa villosa	Smartweed Pennsylvania	Polygonum
BROADLEAF WEEDS C	ONTROLLED		pensylvanıcum
		Speedwell Corn	Veronica arvensis
Common Name	Scientific Name	Spurge Annual	Euphorbia spp
Burweed Lawn	Soliva pterosperma	Spurge Prostrate	Euphorbia humistrata
Carpetweed	Mollugo vertıcıllata	Woodsorrel Yellow	Oxalis stricta

#### COMMERCIAL ORNAMENTAL PRODUCTION

Velvetleaf (Buttonweed)

Stellaria media

#### **GENERAL INFORMATION**

Chickweed Common

Application Use Sites UP-End UP End HydroCap can be used in and around field liner and container ornamental production

UP-EndUP End HydroCap sprays may be used around and over the top of the established plants listed in Table 4 of this label. 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 UP-EndUP End HydroCap. 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

<u>UP-EndUP End HydroCap</u> will not control established weeds. Therefore ensure that areas to be treated are free of established weeds at the time of treatment or <u>UP-EndUP End HydroCap</u> may be used together with herbicides registered for postemergence use in ornamentals and vegetation control sites. Consult the labels of those herbicides for suggested treatments rates to be used and precautions or restrictions for use in these areas

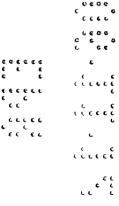
The efficacy of <u>UP-EndUP End HydroCap</u> will be best if the application is followed by one half inch of rainfall or its equivalent in sprinkler irrigation. If <u>UP-EndUP End HydroCap</u> is not activated by rainfall or irrigation within 30 days erratic weed control may result

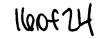
Applied according to label directions and under normal growing conditions <u>UP-EndUP End HydroCap</u> or <u>UP-EndUP End HydroCap</u> tank mix combinations will not cause crop injury. Over application can result in crop stand loss crop injury or soil residues. Uneven application can decrease weed control 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 UP-EndUP End HydroCap

#### SPRAYING INSTRUCTIONS

Apply uniformly with properly calibrated ground equipment in suggested spray volumes of 20 200 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 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.

#### INSTRUCTIONS AND RESTRICTIONS1 IN PRODUCTION ORNAMENTALS

Do not apply in greenhouses shadehouses or other enclosed structures

	Site	Application Instructions and Restrictions
	Newly Transplanted Field Grown	1 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
	Nursery Stock <sup>2 3</sup>	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 UP-End herbieideUP End HydroCap 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 graphed or budded tissue on transplants at all times
	Newly Transplanted Container Grown Nursery Stock <sup>23</sup>	1 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 UP-EndUP End HydroCap 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 graphed or budded tissue on transplants at all times
-	Established	1 Do not apply during bud swell bud break or at time of first flush of new growth
-	Container or Field	2 Apply as a directed or over the top spray
	Grown Nursery Stock <sup>2 3</sup>	3 If newly budded or graphed rootstock make an application using a shielded sprayer
1		4 Take care to ensure there are no cracks in the soil where UP End HydroCap could come into contact with the roots
	Bare Ground for Container Placement	1 Apply to soil then water in (including mulch gravel wood chips or other permeable base) replace containerized ornamentals onto pad

Plant only those desirable plant species listed on this label into soil treated the previous season with <u>UP-EndUP</u> End HydroCap or injury may occur

Refer to Table 3 Application Rates for Weed Control in Production Ornamentals

#### ORNAMENTAL TANK MIXES

Emerged weeds in ornamentals can be controlled using tank mixes containing VANTAGE® Roundup® Finale® Ornamec® Gallery® Princep® and other similar products. Do not apply sprays containing Roundup or Finale over the top of ornamental plants

Before tank mixing perform a simple jar test to insure compatibility of herbicides

Refer to manufacturers labels for specific use directions precautions and limitations before tank mixing with UP-End herbicideUP End HydroCap and follow those that are most restrictive

#### CHRISTMAS TREE PLANTATIONS

<u>UP End UP End HydroCap</u> may be used in and around Christmas tree plantations <u>UP-End UP End HydroCap</u> may be applied at planting or to established trees. When making an application at planting it is important that slit closure be achieved to prevent <u>UP-End UP End HydroCap</u> from directly contacting the tree roots or being washed into the root zone via the open slit or root stunting may occur

For postemergence control of weeds use tank mix combinations of <u>UP-EndUP End HydroCap</u> plus VANTAGE Roundup Finale or other labeled herbicides Refer to approved labeling for species information. Determine rates for the tank mix compounds from the product labels of both <u>UP-EndUP End HydroCap</u> and partner herbicides before use Precaution must be exercised to prevent combination sprays from direct contact with desirable foliage or injury

<sup>&</sup>lt;sup>2</sup> Before treating a large number of plants spray a few plants and observe for 1 2 months for plant damage before full scale application

<sup>&</sup>lt;sup>3</sup> Do not treat plants grown for food or feed Do not use treated plants for food or feed

may result **UP-EndUP End HydroCap** plus diuron or simazine combinations will broaden weed control spectrum however use of combinations may restrict UP-EndUP End HydroCap usage in sensitive areas Refer to manufacturers labels for specific use directions precautions and limitations before use and follow those that Refer to Table 3 Application Rates for Weed Control in Production Ornamentals

#### VEGETATION CONTROL IN ORNAMENTAL PRODUCTION

UP-EndUP End HydroCap may be used 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 UP End UP End HydroCap may be tank mixed with VANTAGE Roundup PRO Karmex<sup>®3</sup> Finale<sup>®4</sup> diuron glyphosate or other products to provide bare ground or total vegetation control or 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 Application Rates For Weed Control In Production Ornamentals

#### Table 3 APPLICATION RATES FOR WEED CONTROL IN PRODUCTION ORNAMENTALS\*

For preemergence control of the weed species listed apply **UP-EndUP End HydroCap** at the following rates

Length of Control	Product per Acre	Product per 1000 sq ft
Short Term Control (2 4 months)	2 1 Quarts	16fl oz
Long Term Control (6 8 months)	4 2 Quarts	3 2 fl oz

<sup>\*</sup>For extended weed control repeat applications of UP EndUP Fnd HydroCap can be made

#### HAND HELD SPRAY EQUIPMENT

Use the table above to determine the amount of UP-EndUP End HydroCap to be applied 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 hand held 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

UP EndUP End HydroCap will not control established weeds If weeds germinate before activation of herbicide shallow cultivate to destroy existing weeds or where practical remove by hand. Any cultivation must be shallow UP-EndUP End HydroCap may be used together with herbicides registered for postemergence use (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 UP-EndUP End HydroCap treatment may be followed by any registered herbicide to control weeds not listed on the UP-EndUP End HydroCap label

The efficacy of UP-EndUP End HydroCap will be improved if the application is followed by one half inch of rainfall or its equivalent in sprinkler irrigation. Erratic weed control may result if **UP-EndUP End HydroCap** is not activated by rainfall or irrigation within 30 days

The following grass and broadleaf weeds are controlled by preemergence treatments of **UP-EndUP End HydroCap** at the above specified rates

Foxtail Yellow

Setaria glauca

CDASSES	CONTROL	IFD

GRASSES CONTROL	LED	Goosegrass	Eleusine indica
Common Name Scientific Name	Scientific Name	Itchgrass  Johnsongrass (from seed)	Rottboellia exaltata
Common Name Barnyardgrass Bluegrass Annual Crabgrass Crowfootgrass Foxtail Giant Foxtail Green	Scientific Name  Echinochloa crus galli Poa annua Digitaria spp Dactyloctenium aegyptium Setaria faberi Setaria viridis	Johnsongrass (from seed) Junglerice Lovegrass (from seed) Panicum Browntop Panicum Fall Panicum Texas Sandbur Field	Rottboellia exaltata Sorghum halepense Echinochloa colona Eragrostis spp Panicum fasciculatum Panicum dichotomiflorum Panicum texanum Cenchrus incertus



Signalgrass	Brachıarıa platyphylla
Sprangletop Mexican	Leptochloa uninervia
Sprangletop Red	Leptochloa filiformis
Witchgrass	Panicum capillare
Woolly Cupgrass	Eriochloa villosa

# BROADLEAF WEEDS CONTROLLED

BROIDERN TEESS OF	
Common Name	Scientific Name
Burweed Lawn	Soliva pterosperma
Carpetweed	Mollugo verticillata
Chickweed Common	Stellarıa media
Chickweed Mouseear	Cerastium vulgatum
Clover Hop	Trıfolium procumbens
Cudweed	Gnaphalium spp
Eveningprimrose	Oenothera biennis
Fiddleneck	Amsınckıa ıntermedia
Filaree	Erodium spp
Henbit	Lamıum amplexicaule
Knotweed prostrate	Polygonum aviculare
Kochia	Kochia scoparia
Lambsquarters	Chenopodium album
Pigweed	Amaranthus spp
Puncturevine	Trībulus terrestrīs
Purslane	Portulaca oleracea
Pusley Florida	Rıchardıa scabra
Rocket London	Sisymbrium irio
Shepherdspurse	Capsella bursa pastoris
Smartweed Pennsylvania	Polygonum pensylvanıcum
Speedwell Corn	Veronica arvensis
Spurge Annual	Euphorbia spp
Spurge Prostrate	Euphorbia humistrata
Woodsorrel Yellow	Oxalis stricta
Velvetleaf (Buttonweed)	Abutilon theophrasts
1	

# Table 4 ORNAMENTAL SPECIES

UP End herbieide UP End HydroCap sprays may be used around and over the top of the es ablished plants listed below Refer to Ornamental Instructions and Restrictions before application Refer to Table 3 Application Rates For Weed Control Production Ornamentals

# TREES

Common Name	Scientific Name
Alder European Black	Alnus glutinosa
Apple	Malus spp
Arborvitae American	Thuja occidentalis
Arbutus	Arbutus spp
Ash Red	Fraxinus
	pennsylvanıca

Ash White	Fraxinus americana
Aspen Bigtooth	Populus
	grandıdentata
Aspen Quaking	Populus tremutoides
Basswood	Tılıa spp
Birch European Weeping	Betula pendula
Birch River	Betula nıgra

TREES (continued)	
Common Name	Scientific Name
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
Crabapple	Malus spp
Crepe Myrtle	Lagerstroemia indica
Cryptomeria Japanese Cedar	Cryptomeria japonica
Cypress Bald	Taxodium distichum
Cypress Leyland	Cupressocyparıs leylandıı
Dogwood Flowering	Cornus florida
Dogwood Korean	Cornus kousa
Dogwood Sılky	Cornus amomum
Dogwood Shrub	Cornus spp
Elm	Ulmus japonica
Elm Winged	Ulmus alata
Eucalyptus (Silver dollar) tree	Eucalyptus cinerea
Fir Balsam	Abies balsamae
Fir Douglas	Pseudotsuga
	men_iesii
Fir Fraser	Abies fraseri
Fir White	Abies concolor
Franklınıa	Franklınıa spp
Fringe tree	Chlonenthus retusus
Gınkgo	Gınkgo bıloba
Gum Black	Nyssa sylvatica
Gum Sour	Nyssa sylvatica
Haw Black	Viburnum prunifolium
Hawthorn	Crataegus spp
Hemlock Canada	Tsuga canadensis
Hemlock, Eastern	Tsuga canadensis
Holly American	Ilex opaca
Honeylocust	Gleditsia triacanthos
Lilac Common	Syrınga vulgarıs
Lilac Japanese Tree	Syrınga reticulata



Picea glauca

TREES (continued)	
Maple Sugar	Acer saccharum
Maple Red	Acer rubrum
Maple Japanese	Acer palmatum
Maple Norway	Acer platanoides
Maidenhair Tree	Gınkgo bıloba
Magnolia Star	Magnolia stellata
Magnolia Southern	Magnolia grandiflora
Magnolia Saucer	Magnolia soulangiana

<u> </u>	
Common Name	Scientific Name
Nannyberry Rusty	Vıburnum rufidulum
Oak, Chinquapin	Quercus
	muehlenbergu
Oak, Live	Quercus virginiana
Oak Pın	Quercus palustris
Oak Red	Quercus rubra
Oak Swamp Chestnut	Quercus mıchauxıı
Oak, Water	Quercus nigra
Oak White	Quercus alba
Oak Willow	Quercus phellos
Olive	Olea europaea
Palm Date	Phoenix spp
Palm Fan	Washingtonia spp
Palm Pındo	Butia spp
Palm Washington	Washingtonia spp
Peach	Prunus persica
Pear Bradford	Pyrus calleryana Bradford
Pecan	Carya ıllınoensıs
Pine Austrian	Pinus nigra
Pine Italian Stone	Pinus pinea
Pine Loblolly	Pınus taeda
Pine Monterey	Pınus radıata
Pine Red	Pinus resinosa
Pine Scotch	Pınus sylvestrıs
Pine Virginia	Pınus virginiana
Pine White	Pinus strobus
Plum Purple Leaf	Prunus cerasifera
Poplar Black	Populus nigra
Redcedar Eastern	Juniperus virginiana
Redcedar Western	Thuja plicata
Red Ironbark	Eucalyptus
	sideroxylon Rosea
Redwood Dawn	Metasequoia glyptostroboides
C C	Canadanadana

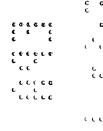
Sequoia dendrongiganteum Amelanchier laevis

Oxydendrumarboreum

Picea pungens

oprace Dwart moenta	albertiana
Spruce Norway	Picea abies
Spruce White	Picea glauca
Sweetgum	Liquidambar
5 weetguiii	styracıflua
Sycamore	Platanus occidentalis
Trachycarpus	Trachycarpus spp
Tulip tree	Liriodendron
	tulipifera
TREES (continued)	
Common Name	Scientific Name
Walnut Black	Juglans nigra
Willow Weeping	Salıx babylonıca
Yellowwood	Cladrastis lutea
SHRUBS	
Common Name	Scientific Name
Abelia Glossy	Abelia grandiflora
Alder Witch	Fothergilla gardenii
Aucuba Gold	Aucuba japonica
Azalea	Rhododendron sp
Bamboo Heavenly	Nandına domestıca
Barberry	Berberis gladwynensis
Barberry Japanese	Berberis thunbergii
Blue Indigo Bush	Dalea gregu
Bottlebrush Lemon	Callistemon citrinus
Boxwood Common	Buxus sempervirens
Boxwood Japanese	Buxus microphylla
Brittlebush	Encelia farinosa
Buttonbush	Cephalanthus
	occidentalis
Camellia	Camellia japonica
Cape Jasmine	Gardenia jasminoides
Cassia Feathery	Cassia artemisioides
Cordyline	Cordyline spp
Correa	Correa spp
Cotoneaster	Cotoneaster apiculatus
Cotoneaster Bayberry	Cotoneaster dammeri
Cotoneaster Rock	Cotoneaster horizontalis
Cypress Italian	Cupressus sempervirens
Cypress Leyland	Cupressocyparıs leylandıı
Deutzia Slender	Deutzia gracilis
Dogwood Red Twig	Cornus sericea
Elaeagnus	Elaeagnus ebbingei
Escallonia	Escallonia fradesii
Euonymus	Euonymus fortunei
•	,,

Spruce Dwarf Alberta



Sequoia Giant

Serviceberry Sourwood

Spruce Coloraco Blue



Euonymus Golden	Еиопутиѕ јаропіса
Euonymus Winged	Euonymus alata
Firethorn	Pyracantha coccinea
Forsythia Border	Forsythia intermedia
Fragrant Olive	Osmanthus fragrans
Fuschia California	Zauschineria californica
Gardenia	Gardenia jasminoides
Hawthorne Indian	Raphiolepis indica
Hibiscus	Hibiscus syriacus
Holly Chinese	Ilex cornuta

# SHRUBS (continued)

DIIRODS (continued)		
Common Name	Scientific Name	
Holly Japanese	Ilex crenata	
Holly Fosters	Ilex attenuata Fosteri	
Holly Savannah	Ilex attenuata	
Holly Yaupon	Ilex vomitoria	
Honeysuckle Bush	Diervilla lonicei a	
Hopseed Bush	Dodonaea viscosa	
Hopbush	Dodonaea viscosa	
Hydrangea	Hydrangea	
	macrophylla	
Juniper	Juniperus sp	
Juniper Chinese	Juniperus chinensis v pfitzer	
Juniper Shore	Juniperus conferta	
Juniper Trailing	Juniperus hori_ontalis	
Laurel Cherry	Prunus laurocerasus	
Laurel Mountain	Kalmıa latıfolıa	
Laurel Otto Luyken	Prunus laurocerasus	
Laurel Schipka	Prunus schipkanensis	
Laurustinus	Viburnum tinus	
Lavender English	Lavandula angustifolia	
Leucothoe	Leucothoe	
	fontanesiana	
Leucothoe Coast	Leucothoe axıllarıs	
Lilac Cut leaf	Syrınga lacınıata	
Lily of the Nile	Agapanthus afrıcanus	
Mahonia	Mahonıa aquıfolıum	
Mock Orange	Pittosporum tobira	
Myrtle Compact	Myrtus communis	
Myrtle Wax	Myrıca cerıfera	
Nandına	Nandına domestıca	
Oleander	Nerıum oleander	
Oregon Grape	Mahonıa aquıfolıum	
Osmanthus	Osmanthus fragrans	
Palm European Fan	Chamaerops humilis	
Palm Mediterranean Fan	Chamaerops spp	
Phlox Prickly	Leptodactylon	
	calıfornıcum	

Photinia Fraser	Photinia x Fraseri
Pieris Japanese	Pieris japonica
Pine Mugo	Pinus mugo
Plum Natal	Carissa grandiflora
Privet California	Lıgustrum ovalıfolıum
Privet Glossy	Lıgustrum lucıdum
Privet Variegated	Ligustrum sinensis
Privet Waxleaf	Ligustrum japonicum
Pyracantha	Pyracantha coccinea
Quince Flowering	Chaenomeles japonica
Ranger Texas	Leucophyllum frutescens

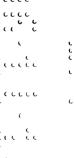
#### SHRUBS (continued)

STRUBS (continued)	
Common Name	Scientific Name
Redroot	Ceanothus spp
Rhododendron	Rhododendron spp
Robira	Pittosporum tobira
Rose	Rosa spp
Spice Plant	Illıcıum parvıflorum
Spiraea	Spıraea vanhoutteı
Spiraea Anthony Waterer	Spıraea X bumalda
Spiraea Japanese	Ѕрігаеа јаропіса
Sweet Bay	Laurus nobilis
Trumpet Bush	Tecoma stans
Verbena Lemon	Aloysıa trıphylla
Vıburnum	Vıburnum suspensum
Vitex	Vitex spp
Weigela	Weigela florida
Wild Lilac	Ceanothus spp
Wisteria	Wisteria spp
Xylosma	Xylosma congestum
Yellowbells	Tecoma stans
Yew*	Taxus media
Yew Japanese*	Taxus cuspidata
Yew Southern*	Podocarpus macrophyllus
Yucca Adam s Needle	Yucca filamentosa
Yucca Weeping	Yucca pendula

\* Do not apply UP-End herbiede UP End HydroCap during spring growth or injury to terminals may occur

# **GROUND COVERS**

Common Name	Scientific Name
Ajuga	Ajuga reptans
Baby Sun Rose	Aptenia cordifolia
Beach Strawberry	Fragarıa chıloensıs
Capeweed	Arctotheca calendula
Cinquefoil Spring	Potentilla verna
Coyotebrush Dwarf	Baccharıs pıtularıs







Daisy Trailing African	Osteospermum fruticosum
Dymondia	Dymondia margaretae
Gazania	Gazanıa splendens
Iceplant Large Leaf	Carpobrotus edulis
Ivy English	Hedera helix
Ivy Geranium	Pelargonium peltatum
Jasmine Asiatic	Trachelospermum assaticum
Jasmine Primrose	Jasmınum mesnyı
Jessamine Carolina	Gelsemium sempervirens
Manzanita Bearberry	Arctostaphylos uva ursı

GROUND	COVEDS	(continued)
GROUND	CUYERS	i conunueu.

Common Name	Scientific Name
Miscanthus	Miscanthus spp
Mondograss	Ophiopogon japonica
Morning glory	Convolvulus spp
Myoporum	Myoporum parviflolium
Pachysandra	Pachysandra terminalis
Potentilla	Potentilla fruticosa
Red Apple	Aptenia cordifolia
Rosemary	Rosemarınus officınalıs
Rose Of Sharon	Hypericum calycinum
Sand Strawberry	Fragarıa chiloensis
Sedum	Sedum spurium
St Johnswort Creeping	Hypericum calycinum
Stonecrop	Sedum spurium
Verbena Peruvian	Verbena peruviana
Vervain	Verbena peruviana
Vetch Crown	Vicia sativa
Vinca	Vinca minor
Wintercreeper	Euonymous fortunei

# PERENNIALS

Common Name	Scientific Name
Acacia	Acacıa redolens
Asparagus	Asparagus spp
Aster New York	Aster novi belgii
Aster Stokes	Stokesia laevis
Astılıbe (False Spirea)	Astılıbe spp
Avens	Geum triflorum
Baby s Breath	Gypsophila elegans
Baby s Breath	Gypsophila paniculata
Beard Tongue	Penstemon spp
Bellflower ccc	Campanula spp

Bellflower Willow	Campanula
	persicifolia
Bird of Paradise	Caesalpınıa
	pulcherrıma
Black eyed Susan†	Rudbeckıa hırta
Blanket Flower†	Gaillardia aristata
Blanket Flower†	Gaillardia x
	grandıflora
Bleeding Heart	Dicentra spectabilis
Butterfly Weed	Asclepias tuberosa
California Poppy	Eschscholzia
	calıfornıa
Calla Lıly	Zantedeschia
	aethiopica
Canna Common Garden	Canna generalıs
	Lucifer

PERENNIALS (continued)		
Common Name	Scientific Name	
Carex	Carex spp	
Chincherinchee	Ornithogalum	
	thyrsoides	
Clover Crimson†	Trıfolıum ıncarnatum	
Columbine	Aquilegia	
	McKana Giant	
Columbine	Aquılegıa x hybrıda	
Coreopsis (tickseed)†	Coreopsis lanceolata	
Crinum Lily	Crinum spp	
Crocus	Crocus spp	
Daffodıl	Narcissus spp	
Daylıly	Hemerocallis spp	
Fairy Duster	Callıandra erıophylla	
Fern Asparagus	Asparagus officinalis	
Fern Boston	Nephrolepis exaltata	
Fern Hay scented	Dennstaedtia punctilobula	
Fern Leatherleaf*	Rumohra	
	adiantiformis	
Fortnight Lily	Moraea spp	
Foxglove	Digitalis purpurea	
Freesia	Freesia x hybrida	
Gaillardia	Gaıllardıa pulchella	
Geum	Geum spp	
Gladiolus	Gladiolus spp	
Heather Dwarf	Calluna vulgarıs	
Hosta	Hosta spp	
Indian Blanket†	Gaillardia pulchella	
Iris Japanese	Irıs kaemphera	
Lantana Weeping	Lantana	
	montevidensis	
Leopards Bane	Doronicum cordatum	
Lıly	Lıllıum spp	
Liriope Big Blue	Liriope muscari	





Liriope Creeping	Liriope spicata
Liriope Variegated	Liriope muscari
Moonbeam	Coreopsis verticillata
Montbretia	Crocosmia crocosmiiflora
Mugwort Western	Artemesia ludoviciana
Nightshade	Solanum spp
Orchid Peacock	Acıdanthera bıcolor
Oxeye Daisy†	Chrysanthemum leucanthemum
Palm Areca	Chysalıdocarpus lutescens
Palm Pygmy Date	Phoenix roebelence
Palm Washington	Washington robusta
Peony Chinese	Paeonia lactiflora
Purple Coneflower†	Echinacea purpurea

# PERENNIALS (continued)

Common Name	Scientific Name
Purple Gay feather	Liatris pycnostachys
Purple Loosestrife	Lythrum virgatum
Rodgersia	Rodgersia henricie
Rosemary	Rosmarınus officınalıs
Sedge	Carex spp
Shasta Daisy†	Chrysanthemum x superbum
Statice	Lımonıum latıfolıa
Statice German	Goniolimon tartaricum
Sweet Flag	Acorus calamus
Tickseed†	Coreopsis lanceolata
Texas Bluebonnet	Lupinus texenis
Tulip	Tulipa spp
Wonder Flower	Ornithogalum thyrsoides
YarrowŢ	Achillea millefolium
Zephyr Lıly	Zephyranthes spp

- \* Applications of UP-End-herbieideUP End <u>HydroCap</u> to immature ferns (during periods of new growth of fronds) may result in some injury
- <sup>†</sup> These plants have shown tolerance to <u>UP-EndUP</u> <u>End HydroCap</u> applications of 4 2 pints (2 1 quarts) in wildflower plantings established from seed

# ORNAMENTAL GRASSES

Common Name	Scientific Name	
Beach Grass	Ammophila breviligulata	
Fescue Blue	Festuca glauca	
Fescue Sheep	Festuca ovina	

Fountain Grass	Pennisetum setaceum
Pampas Grass	Cortaderia selloana
Reed Canary Grass	Phalarıs arundınacea
Reed Giant	Arundo spp
Ribbon Grass	Phalaris arundinacea
Tufted Hair Grass	Deschampsia
	caespitosa

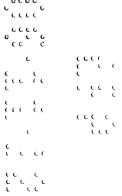
#### BEDDING PLANTS

Common Name	Scientific Name
Ageratum	Ageratum houstonianum
Alyssum*	Alyssum saxatıle
Anemone Poppy flowered	Anemone coronaria
Artemesia	Artemesia spp
Balloonflower	Platycodon grandıflorum
Begonia*	Begonia spp
Cabbage Ornamental	Brassica olereacea

# **BEDDING PLANTS (continued)**

Common Name	Scientific Name
Caladium	Caladium spp
Cast Iron Plant	Aspidistra elatior
China Aster*	Callistephus chinensis
Crocosmia Montebretia	Crocosmia x
	crocosmuflora
Dahlıa*	Dahlıa spp
Dianthus	Dıanthus barbatus
Dusty Mıller	Senecio cineraria
Gayfeather	Liatris spp
Gazania Treasure Flower	Gazanıa rıgens
Gazania Trailing	Gazania rigens leucolaena
Gloxinia	Gloxinia simningia
Kale Ornamental	Brassica napus
Marigold African	Tagetes erecta
Moss Rose*	Portulaca grandıflora
Mum Garden	Chrysanthemum spp
Periwinkle*	Vınca major
Periwinkle Rose	Catharanthus roseus
Petunia*	Petunia spp
Plumosa Cockscomb	Celosia cristata
Portulaca*	Portulaca grandıflora
Salvia*	Salvia splendens
Snapdragon	Antırrhınum majus
Statice*	Limonium spp
Sweet William	Dianthus barbatus
Vınca*	Vinca major

<sup>\*</sup> Do not apply <u>UP-End\_UP End HydroCap</u> sooner than four weeks after transplanting for these annuals Use the lower labeled rate



**UP End herbieide UP End HydroCap** 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 2 months following treatment for possible 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 promptly after emptying after emptying after emptying after or puncture and dispose of in a sanitary landfill or by incineration or by other procedures approved by state and local authorities

Containers less than or equal to 5 gallons triple rinse 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 ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a rinse 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.

Containers larger than 5 gallons triple rinse as follows Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ 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 it 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.

# IMPORTANT INFORMATION READ BEFORE USING PRODUCT

#### CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

NOTICE Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable return the product at once unopened and the purchase price will be refunded

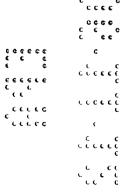
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