

5905-586

8/30/2012

1/14



U.S. ENVIRONMENTAL PROTECTION
AGENCY

Office of Pesticide Programs
Registration Division (7505P)
Ariel Rios Building
1200 Pennsylvania Ave., NW
Washington, D.C. 20460

EPA Reg.

Number:

5905-586

Date of Issuance:

AUG 30 2012

NOTICE OF PESTICIDE:

Registration
 Reregistration
(under FIFRA, as amended)

Term of Issuance: **Unconditional**

Name of Pesticide Product:

TAPOUT WFP

Bill Washburn
Helena Chemical Company
225 Schilling Boulevard, Suite 300
Collierville, TN 38017

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act. Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(5) provided that you:

1. Input "Wildlife" in front of "food plots" throughout the label.
2. Page 4. Remove the word "recommended" from bullet 5 under **Use Rates**.
3. Revise both claims on the front panel to read "Kills Grassy weeds without harming broadleaf *Wildlife* food plots *when used as directed*."
4. Revise the EPA Reg. No. to 5905-586
5. Assure that the establishment number and net content are also added to the label.
6. Submit and/or cite all data required for registration/reregistration review of your product when the Agency requires all registrants of similar products to submit data.

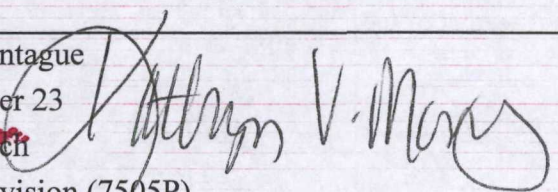
A stamped copy of the label is enclosed for your records. Submit one (1) copy of the final printed label before you release the product for shipment.

. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

2/14

If you have any questions regarding this notice, please contact Grant Rowland at (703) 347-0254 or at rowland.grant@epa.gov.

Kathryn V. Montague
Product Manager 23
Herbicide Branch
Registration Division (7505P)
Office of Pesticide Programs



Date:

AUG 30 2012

[Brackets] indicate alternate marketing language

TAPOUT WFP

- [Kills Grassy weeds without harming broad leaf food plots for wildlife]
- [Kills annual and perennial grasses]
- [Kills annual and perennial grasses in ornamentals]
- [A Part of the Foxworthy Outdoors Line of Outdoor Products]
- [Insert Foxworthy Outdoors logo]
- [Kills Crabgrass, Quackgrass, Barnyardgrass, Foxtails, Bermudagrass & Johnsongrass]
- [Rainfast In one hour]
- [Kills Grassy weeds without harming [broadleaf food plots][and][or][ornamentals]
- [Kills grasses in wildlife food plots]
- [This XX container covers XX sq ft]
- [This XX container covers XX acres]
- [Treats Up to XX sq ft]
- [Treats Up to XX acres]
- [TAPOUT WFP can be used to remove grassy weeds on plots grown for wildlife food.]

ACCEPTED
 with COMMENTS
 in EPA Letter Dated
 AUG 30 2012
 Under the Federal Insecticide,
 Fungicide, and Rodenticide Act
 as amended, for the pesticide
 registered under EPA Reg. No.
 5905-586

Active Ingredient	By Wt.
*Clethodim	12.6%
Other Ingredients.....	87.4%
Total.....	100.0%

Contains Petroleum Distillates

*(E)..2..[1 -[[[(3-chloro-2-propenyl)oxy]imino]propyl]-5-[2-(ethylthio)propyl]-3-hydroxy-2-cyclohexen-1 -one
Contains 0.97 lbs. Clethodim per gal.

**KEEP OUT OF REACH OF CHILDREN
CAUTION
See Additional Precautions inside Booklet**

EPA Reg. No. 5905-xxx
 EPA Est. No.
 AD xxxxxx
 NET CONTENTS

Manufactured For
 Helena Chemical Company
 225 Schilling Boulevard, Suite 300
 Collierville, TN 38017

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS & DOMESTIC ANIMALS**

CAUTION

Harmful if swallowed Causes moderate eye irritation Avoid contact with eyes skin or clothing Wash thoroughly with soap and water after handling and before eating drinking chewing gum or using tobacco Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals

FIRST AID

IF SWALLOWED	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice • Have person sip a glass of water if able to swallow • Do not induce vomiting unless told to do so by a poison control center or doctor • Do not give anything by mouth to an unconscious person
IF IN EYES	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes • Remove contact lenses if present after the first 5 minutes then continue rinsing eye • Call a poison control center or doctor immediately for advice
IF ON SKIN OR CLOTHING	<ul style="list-style-type: none"> • Take off contaminated clothing • Rinse skin immediately with plenty of water for 15-20 minutes • Call a poison control center or doctor for treatment advice
IF INHALED	<ul style="list-style-type: none"> • Move person to fresh air • If person is not breathing call 911 or an ambulance and then give artificial respiration preferably mouth-to-mouth if possible • Call a poison control center or doctor for further treatment advice

HOT LINE NUMBER

Have the product container or label with you when calling a poison control center or doctor or going for treatment You may also contact (800) 424-9300 collect day or night for emergency medical treatment information

NOTE TO PHYSICIAN

Ingestion of this product or subsequent vomiting can result in aspiration of light hydrocarbon liquid which can cause pneumonitis If ingested probable mucosal damage may contraindicate the use of gastric lavage May pose an aspiration pneumonia hazard Contains petroleum distillate

USER SAFETY RECOMMENDATIONS

Users should

- Wash hands before eating drinking and 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

Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark Do not apply where runoff is likely to occur Do not apply where weather conditions favor drift from areas treated Do not contaminate water when disposing of equipment washwater or rinsate

The use of this product may pose a hazard to the federally designated endangered species of Solano Grass and Wild Rice Use of this product is prohibited in the following areas where the species are known to exist

Solano Grass Solano County California the vernal lakes area bounded by the Union Pacific Railroad and Hastings Road to the north Highway 113 to the east Highway 12 to the south and Travis Air Force Base to the west

Wild Rice Hays County Texas

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling

READ ENTIRE LABEL AND PAMPHLET USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS

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 Keep all unprotected persons out of operating areas or vicinity where there may be drift Do not enter treated areas without protective clothing until sprays have dried

STORAGE AND DISPOSAL

Do not contaminate water food or feed by storage or disposal
Pesticide Storage *Store in original container in a cool dry place out of reach of children preferably a locked storage cabinet*
Pesticide Disposal and Container Handling *Nonrefillable container Do not reuse or refill this container If empty Place in trash or offer for recycling if available If Partly Filled Call your local solid waste agency for disposal instructions Never place unused product down any indoor or outdoor drain*

PRODUCT INFORMATION

For use on wildlife food plots to control grassy weeds

TAPOUT WFP *is a selective postemergence herbicide for control of annual and perennial grasses TAPOUT WFP does not control sedges or broadleaf weeds*

Apply when grassy weeds are actively growing Weather conditions such as sunny skies and warm weather promote the growth of grassy weeds and make them more susceptible to herbicide control Treated grass weeds show a reduction in vigor and growth Early chlorosis/necrosis of younger plant tissue is followed by a progressive collapse of the remaining foliage Symptoms will generally be observed in 7 to 14 days after application depending on grass species treated and environmental conditions

MIXING INSTRUCTIONS

- *Add half of the needed water to the sprayer/spray tank*
- *Add TAPOUT WFP*
- *Fill tank to desired level*

BROADCAST APPLICATIONS

How to Apply

- *Use of sufficient spray volumes and pressure is essential to ensure complete coverage*
- *Use a minimum of 5 gallons or a maximum of 40 gallons of spray solution per acre*
- *Under the following conditions a minimum of 10 gals per acre is required perennial grasses volunteer corn drought or stress conditions heavy grass pressure or when grasses are at or near maximum height Failure to use 10 gallons per acre under these conditions can result in poor coverage and reduced grass control requiring repeat applications*
- *Spray pressure should reflect a minimum of 30 psi and a maximum of 60 psi at the nozzle*
- *Do not use flood nozzles*
- *Apply as close to target plants as practical while maintaining a good spray pattern for adequate coverage*
- *Repeat application may be applied after 14 days*

Use Rates

- For annual grasses 1 to 4 inches tall apply 9 fl oz per acre
- For annual grasses 4 to 12 inches tall apply 16 fl oz per acre
- For perennial grasses 2 to 6 inches apply 12 fl oz per acre
- For perennial grasses 6 inches or taller apply up to 32 fl oz per acre
- Consult the *Directions for Annual Grasses* and *Directions for Perennial Grasses* tables for rates recommended for specific grasses
- A second application may be needed for some grasses and for taller grasses

HAND SPRAYER/SPOT APPLICATION

- Apply with a hand trigger sprayer or pump up hand sprayer
- Adjust sprayer to deliver a fine spray spray plants until lightly wet but not dripping
- Use 1 fl oz TAPOUT WFP per gallon of water
- Spray directly on grassy weeds till lightly wet
- One gallon of spray mix covers 1300 square feet

For hard to control weeds make a second application 2 to 3 weeks after the first application

TANK MIXES

Read tank mix product label for rates and weeds controlled Always read and follow label directions for all tank mix products before using The most restrictive labeling of any tank mix product must be followed

DIRECTIONS FOR ANNUAL GRASSES

- Apply only to actively growing grasses at specified weed heights
- Apply when the first grass weed species in a mixed grass weed population reaches the specified growth stage for treatment
- Use the high rate under heavy grass pressure and/or when grasses are at maximum height

GRASS SPECIES	SCIENTIFIC NAME	WEED HEIGHT* (inches)	APPLICATION RATES	
			MINIMUM RATE Fl Oz /A	MAXIMUM RATE*** Fl Oz /A
Barnyardgrass	<i>Echinochloa crus-galli</i>	2 to 8	9	16
Broadleaf Signalgrass	<i>Brachiaria platyphylla</i>	2 to 6	9	16
Brome				
California	<i>Bromus carinatus</i>	2 to 6	9	16
Cheat	<i>Bromus secalinus</i>	2 to 6	9	16
Downy	<i>Bromus tectorum</i>	2 to 6	9	16
Ripgut	<i>Bromus diandrus</i>	2 to 6	9	16
Canarygrass	<i>Phalaris canariensis</i>	1 to 4	9	16
Crabgrass				
Hairy	<i>Digitaria adscendens</i>	2 to 6**	9	16
Large	<i>Digitaria sanguinalis</i>	2 to 6**	9	16
Smooth	<i>Digitaria ischaemum</i>	2 to 6**	9	16
Southern	<i>Digitaria ciliaris</i>	2 to 6**	9	16
Crowfootgrass	<i>Dactyloctenium aegyptium</i>	2 to 6**	9	16
Fall Panicum	<i>Panicum dichotomiflor</i>	2 to 8	9	16
Field Sandbur	<i>Cenchrus incertus</i>	2 to 6	9	16
Foxtail				
Giant	<i>Setaria faberi</i>	2 to 12	9	16
Green	<i>Setaria viridis</i>	2 to 8	9	16
Yellow	<i>Setaria glauca</i>	2 to 8	9	16
Goosegrass	<i>Eleusine indica</i>	2 to 6**	9	16
Itchgrass †	<i>Rottboellia cochinchinensis</i>	2 to 6	9	16
Junglence	<i>Echinochloa colona</i>	2 to 6	9	16
Lovegrass (Stinkgrass)	<i>Eragrostis cilianensis</i>	2 to 6	9	16
Rabbitsfootgrass	<i>Polypogon monspeliensis</i>	1 to 4	9	16
Red Rice	<i>Oryza sativa</i>	1 to 3	9	16
Rygrass				
Hardy †	<i>Lolium remotum</i>	2 to 6	9	16
Italian	<i>Lolium multiflorum</i>	2 to 6	9	16
Seedling Johnsongrass	<i>Sorghum halepense</i>	4 to 10	9	16
Shattercane	<i>Sorghum bicolor</i>	6 to 18	9	16
Southwestern Cupgrass	<i>Eriochloa gracilis</i>	2 to 6	9	16
Sprangletop				
Amazon	<i>Leptochloa panicoides</i>	2 to 6	9	16
Bearded	<i>Leptochloa fascicularis</i>	2 to 6	9	16
Mexican	<i>Leptochloa uninervia</i>	2 to 6	9	16
Red	<i>Leptochloa filiformis</i>	2 to 6	9	16
Texas Panicum	<i>Panicum texanum</i>	2 to 6	9	16
Volunteer Cereals				
Barley	<i>Hordeum vulgare</i>	2 to 6	9	16
Oats	<i>Avena sativa</i>	2 to 6	9	16
Rye	<i>Secale cereale</i>	2 to 6	9	16
Wheat †	<i>Triticum aestivum</i>	2 to 6	9	16
Volunteer Corn	<i>Zea mays</i>	Up to 12	6	12
Volunteer Corn	<i>Zea mays</i>	Up to 24	9	14
Volunteer Corn	<i>Zea mays</i>	Up to 36	12	16
Volunteer Grain Sorghum	<i>Sorghum bicolor</i>	8 to 12	9	16
Wild Oats	<i>Avena fatua</i>	2 to 6	9	16
Wild Proso Millet	<i>Panicum miliaceum</i>	2 to 10	9	16
Witchgrass	<i>Panicum capillare</i>	2 to 8	9	16
Woolly Cupgrass	<i>Eriochloa villosa</i>	2 to 8	9	16

*Generally occurs between 3 leaf stage and tillering
 † Length of lateral growth
 *** Use the higher rate for taller grass

DIRECTIONS FOR PERENNIAL GRASSES

- Apply only to actively growing grasses at specified weed heights.
- Apply when the first grass weed species in a mixed grass weed population reaches the specified growth stage for treatment.
- Use the high rate under heavy grass pressure and/or when grasses are at maximum height.

GRASS SPECIES	WEED HEIGHT (inches)	APPLICATION RATE	
		MINIMUM RATE Fl. Oz./A	MAXIMUM RATE* Fl. Oz./A
<i>Bermudagrass (Cynodon dactylon)</i>			
First Application	3 (or up to 6" runners)	12	32
Repeat Application(s) (if regrowth occurs)	3 (or up to 6" runners)	12	32
<i>Fescue, Tall (Festuca arundinacea)</i>			
First Application	4 to 8	12	32
Repeat Application(s) (if regrowth occurs)	4 to 8	12	32
<i>Foxtail Barley (Hordeum jubatum)</i>			
First Application	2 to 6	12	32
Repeat Application (if regrowth occurs)	2 to 6	12	32
<i>Orchardgrass (Dactylis glomerata)</i>			
First Application	4 to 8	12	32
Repeat Application(s) (if regrowth occurs)	4 to 8	12	32
<i>Quackgrass (Elytrigia repens)</i>			
First Application	4 to 12	12	32
Repeat Application(s) (if regrowth occurs)	4 to 12	12	32
<i>Rhizome Johnsongrass (Sorghum halepense)</i>			
First Application	12 to 24	12	32
Repeat Application(s) (if regrowth occurs)	6 to 18	9	24
<i>Wirestem Muhly (Muhlenbergia frondosa)</i>			
First Application	4 to 8	12	32
Repeat Application(s) (if regrowth occurs)	4 to 8	12	32
<i>Perennial Bluegrass</i>			
[Roughstalk (<i>Poa trivialis</i>)]			
[Kentucky (<i>Poa prantensis</i>)]			
First Application	2 to 4	12	32
Repeat Application(s)	2 to 4	12	32
<i>Bentgrass (Agrostis spp.)</i>			
First Application	2 to 4	-	32
Repeat Application(s) (if regrowth occurs)	2 to 4	-	32

* Use the higher rate for taller grass.

TOLERANT PLANTS		
Alfalfa	Peas	Garden and Red Beets
Carrots	Southern Peas	Mustard
Clover, Sweet, White and Other Species	Sugarbeets	Peanuts
Flax	Turnips	Radish
Lablab	Canola (not for canola grown in California)	Soybeans
Parsnips	Chufa	Sunflower

RESTRICTIONS AND LIMITATIONS

- Do not apply more than 32 fl oz of TAPOUT WFP per acre per year on wildlife food plots
- Do not apply if rain is expected within 1 hour of application, as control may be unsatisfactory.
- Do not mow prior to application.
- Avoid getting spray or spray drift on susceptible grass crops as injury will occur.
- Minor leaf spotting can occur on treated plants under certain conditions. New foliage is not affected.
- Avoid spraying in windy conditions (windy conditions are when winds are greater than 10 miles per hour).
- Avoid spraying when winds are gusty.
- Do not spray on grassy food plants such as corn, sorghum, wheat, barley, rice, rye and millet.
- Do not apply under conditions of stress. Applying TAPOUT WFP under conditions that do not promote active grass growth will reduce herbicide effectiveness. These conditions include drought, excessive water, extremes in temperature, low humidity and grasses either partially controlled or stunted from prior pesticide applications. Grasses under these kinds of stressful conditions will not absorb and translocate TAPOUT WFP effectively, and will be less susceptible to herbicide activity.
- Application on Long Island, New York, is restricted to no more than 32 fl oz of TAPOUT WFP (0.25 lb a.i) per acre per season.

For use in Ornamentals to control grassy weeds

For ornamental plant uses, TAPOUT can be used to control labeled grass weeds in and around outdoor ornamentals.

IMPORTANT

TAPOUT successfully controls weeds in newly transplanted and established non-grassy ornamentals. Plant tolerance to TAPOUT at labeled rates has been found to be acceptable for the indicated genera and species listed below. Due to variability within species, crop growth stage, environmental conditions, and application techniques, it is recommended that the user determine if herbicide can be used safely on a few plants prior to widespread application. Neither the seller nor the manufacturer of TAPOUT has investigated the safety factor to ornamental plants not listed on the label.

MIXING INSTRUCTIONS

- Add half of the needed water to the sprayer/spray tank
- Add TAPOUT WFP
- Fill tank to desired level

HAND SPRAYER/SPOT APPLICATION

- Apply with a hand trigger sprayer or pump up hand sprayer.
- Adjust sprayer to deliver a fine spray, spray plants until lightly wet, but not dripping.
- Use 1 fl oz TAPOUT WFP per gallon of water.
- Spray directly on grassy weeds till lightly wet.
- One gallon of spray mix covers 1300 square feet.

For hard to control weeds, make a second application 2 to 3 weeks after the first application

The following plants have shown a tolerance for TAPOUT applications:

ORNAMENTAL TREES

COMMON NAME	SCIENTIFIC NAME	COMMON NAME	SCIENTIFIC NAME
Alder, Red	<i>Alnus rubra</i>	Goldon Chain Tree	<i>Laburnum anagyroides</i>
Ash	<i>Fraxinus</i> spp.	Maples	<i>Acer</i> spp.
Basswood	<i>Tia</i> spp.	Mulberry, White	<i>Morus alba</i>
Birch, European	<i>Betula pendula</i>	Oaks	<i>Quercus</i> spp.
White	<i>Betula nigra</i>	Olive, Wild	<i>Elaea gnus angustifolia</i>
Birch, River	<i>Betula papyrifera</i>	Redbud, Eastern	<i>Cercis canadensis</i>
Birch, White	<i>Malus halliana</i>	Sweet Gum, American	<i>Liquidambar styraciflua</i>
Crabapple,	<i>Cornus florida</i>		
Flowering			
Dogwood, Flowering			

GROUND COVERS

COMMON NAME	SCIENTIFIC NAME
Bugleweed, Carpet	<i>Ajuga reptans</i>
Ivy, English	<i>Hedera helix</i>
Japanese Spurge	<i>Pachysandra terminalis</i>
Lilyturf	<i>Liriope muscari</i>
Moneywort	<i>Lysimachia nummulana</i>
Mondo Grass, White	<i>Ophiopogon jaburan</i>
Mondo Grass Dwarf	<i>Ophiopogo njaponicus</i>
Periwinkle, Lesser	<i>Vinca minor</i>

GARDEN FLOWERS AND PLANTS

**slight foliage or flower speckling has been observed on these species.*

COMMON NAME	SCIENTIFIC NAME	COMMON NAME	SCIENTIFIC NAME
<i>Ageratum</i>	<i>Ageratum</i> spp.	Jasmine Tobacco	<i>Nicotiana alata</i>
Alyssum*, Sweet	<i>Lobularia maritima</i>	Loosestrife	<i>Lythrum salicaria</i>
Asparagus Fern	<i>Asparagus setaceus</i>	Marigold	<i>Tagetes</i> spp.
Bleeding Heart	<i>Dicentra spectabilis</i>	Partridgeberry	<i>Mitchella repens</i>
Cast Iron Plant	<i>Aspidistra elatior</i>	Petunia*	<i>Petunia hybrida</i>
Chrysanthemum	<i>Chrysanthemum</i>	Phlox	<i>Phlox</i> spp.
Cinquefoil	spp.	Pinks	<i>Dianthus</i> spp.
Coleus	<i>Potentilla</i> spp.	Portulaca	<i>Portulaca grandiflora</i>
Coralbells	<i>Coleus</i> spp.	Salvia	<i>Salvia</i> spp.
Cranesbill	<i>Heuchera san</i>	Saxifrage	<i>Saxifraga</i> spp.
Dahlia	<i>guinea</i>	Sedum	<i>Sedum</i> spp.
Daisy, Trailing	<i>Geranium</i> spp.	Selloum	<i>Philodendron selloum</i>
African	<i>Dahlia</i> spp.	Snapdragon*	<i>Antirrhinum majus</i>
	<i>Osteospermum</i>	Sweet Flag	<i>Acorus gramineus</i>
Daylily	<i>fruticosum</i>	Tickseed	<i>Coreopsis grandiflora</i>
Dusty Miller	<i>Hemerocallis</i> spp.	Touch-Me-Not	<i>Impatiens</i> spp.
Euonymus	<i>Senecio cineraria</i>	Verbena	<i>Verbena</i> spp.
Gazania	<i>Euonymus</i> spp.	Violet	<i>Viola</i> spp.
Geranium, House	<i>Gazania</i> spp.	Yarrow, Common	<i>Achillea millefolium</i>
Heather, False	<i>Pelargonium</i>	Zinnia	<i>Zinnia elecans</i>
Hosta	<i>hortorum</i>		
Iris	<i>Cuphea hyssopifolia</i>		
	<i>Hosta fortunei</i>		
	<i>Iris</i> spp.		

SHRUBS

*Slight foliage or flower speckling has been observed on these species

Abelia	Abelia spp	Jasmine	Jasminum spp
Anise Purple	Illicium floridanum	Jasmine Asiatic	Trachelospermum asiaticum
Aucuba	Aucubaspp	Jasmine Star	Trachelospermum jasminoides
Azalea*	Rhododendron spp	Juniper	Juniperus spp
Bamboo	Bambusa spp	Lantana	Lantana spp
Barberry Japanese	Berberis thunbergii	Nandina* Bamboo	Nandinia domestica
Barberry Magellan	Berberis buxifolia	Heavenly	
Bayberry	Myrica pensylvanica	Oleander Common	
Bottlebrush	Callistemon citrinus	Oregon Grape	Nerum oleander
Boxwood Common	Buxus sempetvirens	Photinia	Mahonia aquifolium
Camellia Common	Camellia japonica	Pittosporum	Photinia spp
Candytuft	Ibens sempeivirens	Podocarpus	Pittosporum spp
Cleyera	Cleyera japonica	Privet	Podocarpus spp
Coralberry	Ardisia crenata	Pyracantha	Ligustrum spp
Crape Myrtle	Lagerstroemia indica	Rhododendron	Pyracantha spp
Coyote Brush	Baccharis pilularis	Rose	Rhododendron spp
Fig Creeping	Ficus pumila	Spiraea	Rosa spp
Gardenia	Gardenia spp	Sweet Olive	Spiraea bumalda
Holly	Ilex spp	Viburnum	Osmanthus fragrans
Honeysuckle	Lonicera spp	Wisteria	Viburnum thus
Indian Hawthorn	Raphiolepis indica	Yellow Sage/Shrub	Wisteria spp
		Verbena	Lantana camara

DIRECTIONS FOR ANNUAL GRASSES IN ORNAMENTALS

- Apply only to actively growing grasses at specified weed heights
- Apply when the first grass weed species in a mixed grass weed population reaches the specified growth stage for treatment
- Use the high rate under heavy grass pressure and/or when grasses are at maximum height

GRASS SPECIES	SCIENTIFIC NAME	WEED* HEIGHT (inches)	APPLICATION RATES	
			MINIMUM RATE fl oz /A ⁽¹⁾	MAXIMUM RATE ⁽²⁾
Barnyardgrass	Echinochloa crus-galli	2 to 8	12	32
Broadleaf Signaigrass	Brachiaria platyphylla	2 to 6	12	32
Brome				
California	Bromus carinatus	2 to 6	12	32
Cheat	Bromus secalinus	2 to 6	12	32
Downy	Bromus tectorum	2 to 6	12	32
Ripgut	Bromus diandrus	2 to 6	12	32
Canarygrass	Phalaris canariensis	1 to 4	12	32
Crabgrass				
Hairy	Digitaria adscendens	2 to 6**	12	32
Large	Digitaria sanguinalis	2 to 6**	12	32
Smooth	Digitaria ischaemum	2 to 6**	12	32
Southern	Digitaria ciliaris	2 to 6**	12	32
Crowfootgrass	Dactyloctenium aegyptium	2 to 6**	12	32
Fall Panicum	Panicum dichotomiflorum	2 to 8	12	32
Field Sandbur	Cenchrus incertus	2 to 6	12	32
Foxtail				
Giant	Setaria faberi	2 to 12	12	32
Green	Setaria viridis	2 to 8	12	32

Yellow	<i>Setaria glauca</i>	2 to 8	12	32
Goosegrass	<i>Eleusine indica</i>	2 to 6**	12	32
Itchgrass	<i>Rottboellia cochin</i>	2 to 6	12	32
Junglerice	<i>Echinochloa colona</i>	2 to 6	12	32
Lovegrass (Stinkgrass)	<i>Eragrostis ciliaris</i>	2 to 6	12	32
Rabbitsfootgrass	<i>Polypogon monspeliensis</i>	1 to 4	12	32
Red Rice	<i>Oryza sativa</i>	1 to 3	12	32
Rygrass				
Hardy	<i>Lolium remotum</i>	2 to 6	12	32
Italian	<i>Lolium multiflorum</i>	2 to 6	12	32
Seedling Johnsongrass	<i>Sorghum halepense</i>	4 to 10	12	32
Shattercane	<i>Sorghum bicolor</i>	6 to 18	12	32
Southwestern Cupgrass	<i>Eriochloa gracilis</i>	2 to 6	12	32
Sprangletop				
Amazon	<i>Leptochloa panicoides</i>	2 to 6	12	32
Bearded	<i>Leptochloa fascicularis</i>	2 to 6	12	32
Mexican	<i>Leptochloa uninervis</i>	2 to 6	12	32
Red	<i>Leptochloa fihiformis</i>	2 to 6	12	32
Texas Panicum	<i>Panicum texanum</i>	2 to 6	12	32
Volunteer Cereals				
Barley	<i>Hordeum vulgare</i>	2 to 6	12	32
Oats	<i>Avena sativa</i>	2 to 6	12	32
Rye	<i>Secale cereale</i>	2 to 6	12	32
Wheat	<i>Triticum aestivum</i>	2 to 6	12	32
Volunteer Corn	<i>Zea mays</i>	4 to 12	12	16
Volunteer Corn	<i>Zea mays</i>	12 to 24	12	32
Volunteer Grain Sorghum	<i>Sorghum bicolor</i>	8 to 12	12	32
Wild Oats	<i>Avena fatua</i>	2 to 6	12	32
Wild Proso Millet	<i>Panicum miliaceum</i>	2 to 10	12	32
Witchgrass	<i>Panicum capillare</i>	2 to 8	12	32
Woolly Cupgrass	<i>Eriochloa villosa</i>	2 to 8	12	32

*Generally occurs between 3 leaf stage and tillering

**Length of lateral growth

(1) 16 fl oz/A = approximately 0.4 fl oz /1000 sq ft

(2) 32 fl oz /A = approximately 0.8 fl oz /1000 sq ft

DIRECTIONS FOR ANNUAL BLUEGRASS CONTROL WITH TAPOUT IN ORNAMENTALS			
GRASS SPECIES	WEED STAGE	APPLICATION RATES	
		MINIMUM RATE fl oz /A	MAXIMUM RATE fl oz /A
Annual Bluegrass (<i>Poa annua</i>)	To 4-leaf	12	32
Apply under favorable soil moisture and humidity that exists within a few days after rainfall or within 7 days after irrigation. Grass needs to be actively growing at time of application(s).			
Apply at weed stage indicated on the label as reduced control can be expected with more mature annual bluegrass.			
Use the high rate under heavy grass pressure and/or when annual bluegrass is more mature.			

DIRECTIONS FOR PERENNIAL GRASSES IN ORNAMENTALS

- Apply only to actively growing grasses at specified weed heights
- Apply when the first grass weed species in a mixed grass weed population reaches the specified growth stage for treatment
- Use the high rate under heavy grass pressure and/or when grasses are at maximum height

GRASS SPECIES	WEED HEIGHT (inches)	APPLICATION RATES	
		MINIMUM RATE fl oz /A ⁽¹⁾	MAXIMUM RATE ⁽²⁾ fl oz /A
<i>Bermudagrass (Cynodon dactylon)</i>			
First Application	3 (or up to 6 runners)	12	32
Repeat Application(s) (if regrowth occurs)	3 (or up to 6 runners)	12	32
<i>Foxtail Barley (Hordeum jubatum)</i>			
First Application	2 to 6	12	
Repeat Application(s) (if regrowth occurs)	2 to 6	12	32
<i>Quackgrass (Elytrigia repens)</i>			
First Application	4 to 8	12	
Repeat Application(s) (if regrowth occurs)	4 to 8	12	32
<i>Rhizome Johnsongrass (Sorghum halepense)</i>			
First Application	12 to 24	2	
Repeat Application(s) (if regrowth occurs)	6 to 18	9	32
<i>Wirestem Muhly (Muhlenbergia frondosa)</i>			
First Application	4 to 8	12	
Repeat Application(s) (if regrowth occurs)	4 to 8	12	32

⁽¹⁾ 16 fl oz /A = approximately 0.3 fl oz /1000 sq ft

⁽²⁾ 32 fl oz /A = approximately 0.8 fl oz /1000 sq ft

RESTRICTIONS AND LIMITATIONS

- Do not apply more than 64 fl oz of TAPOUT WFP per acre per year on ornamentals
- Do not apply if rain is expected within 1 hour of application as control may be unsatisfactory
- Avoid getting spray or spray drift on susceptible grasses as injury will occur
- Minor leaf spotting can occur on treated plants under certain conditions. New foliage is not affected
- Avoid spraying in windy conditions (windy conditions are when winds are greater than 10 miles per hour)
- Avoid spraying when winds are gusty
- Do not apply under conditions of stress. Applying TAPOUT WFP under conditions that do not promote active grass growth will reduce herbicide effectiveness. These conditions include drought, excessive water, extremes in temperature, low humidity, and grasses either partially controlled or stunted from prior pesticide applications. Grasses under these kinds of stressful conditions will not absorb and translocate TAPOUT WFP effectively and will be less susceptible to herbicide activity.

14/14

CONDITIONS OF SALE – LIMITED WARRANTY AND LIMITATIONS OF LIABILITY AND REMEDIES

Read the Conditions of Sale - Warranty and Limitations of Liability and Remedies before using this product. If the terms are not acceptable, return the product, unopened, and the full purchase price will be refunded.

The directions on this label are believed to be reliable and should be followed carefully. Insufficient control of pests and/or injury to the crop to which the product is applied may result from the occurrence of extraordinary or unusual weather conditions, the failure to follow the label directions, or good application practices, all of which are beyond the control of Helena Chemical Company (the "Company") or seller. In addition, failure to follow label directions may cause injury to crops, animals, man or the environment. The Company warrants that this product conforms to the chemical description on the label and is reasonably fit for the purpose referred to in the directions for use subject to the factors noted above which are beyond the control of the Company. The Company makes no other warranties or representations of any kind express or implied, concerning the product, including no implied warranty of merchantability or fitness for any particular purpose, and no such warranty shall be implied by law.

The exclusive remedy against the Company for any cause of action relating to the handling or use of this product shall be limited to, at Helena Chemical Company's election, one of the following:

- 1. Refund of the purchase price paid by buyer or user for product bought, or*
- 2. Replacement of the product used*

To the extent consistent with applicable law, the Company shall not be liable and any and all claims against the Company are waived for special, indirect, incidental, or consequential damages or expense of any nature, including, but not limited to, loss of profits or income. The Company and the seller offer this product and the buyer and user accept it, subject to the foregoing conditions of sale and limitation of warranty, liability and remedies.

TAPOUT is a registered trademark of Helena Holding Company.

© Helena Holding Company, 2012.