

# Specimen Label



# Spotlight\*

## Specialty Herbicide

\*Trademark of Dow AgroSciences LLC

**For postemergence control of annual and perennial broadleaf weeds and woody brush in established turf, including residential lawns, golf courses, sports fields, sod farms and around commercial buildings and other commercial turf areas**

Active Ingredient(s):	
fluroxypyr 1-methylheptyl ester: ((4-amino-3,5-dichloro-6-fluoro-2-pyridinyl)oxy) acetic acid, 1-methylheptyl ester .....	26.2%
Inert Ingredient(s) .....	73.8%
Total Ingredients .....	100.0%

Contains petroleum distillates.

Acid Equivalent: fluroxypyr: 4-amino-3,5-dichloro-6-fluoro-2-pyridyloxyacetic acid - 18.2% - 1.5 lb/gal

EPA Reg. No. 62719-308

**Keep Out of Reach of Children**

## WARNING AVISO

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.)

### Precautionary Statements

#### Hazards to Humans and Domestic Animals

**Causes Substantial But Temporary Eye Injury • Harmful If Swallowed Or Absorbed Through The Skin**

**Do not get in eyes or on clothing. Avoid contact with skin.**

### Personal Protective Equipment (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category G on an EPA chemical resistance category selections chart.

#### Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves such as Barrier Laminate or Viton
- Shoes plus socks
- Protective eyewear

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

### Engineering Controls Statements

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protections 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.

### 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 the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**If on skin or clothing:** 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 swallowed:** Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give **any** liquid to the person. Do not give anything by mouth to an unconscious person.

**Note to Physician:** May pose an aspiration pneumonia hazard. Probable mucosal damage may contraindicate the use of gastric lavage.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-992-5994 for emergency medical treatment information.

### Environmental Hazards

This product is toxic to fish. Drift or runoff from treated areas may be hazardous to aquatic organisms and non-target plants. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwaters.

## Physical or Chemical Hazards

Do not use or store near heat or open flame.

**Notice:** Read the entire label. Use only according to label directions. **Before using this product, read Warranty Disclaimer, Inherent Risks of Use and Limitation of Remedies elsewhere on this label. If terms are unacceptable, return at once unopened.**

In case of emergency endangering health or the environment involving this product, call 1-800-992-5994. If you wish to obtain additional product information, visit our web site at [www.dowagro.com](http://www.dowagro.com).

Agricultural Chemical: Do not ship or store with food, feeds, drugs or clothing.

## Directions for Use

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

Read all Directions for Use carefully before applying.

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

## Agricultural Use Requirements

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

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 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 such as Barrier Laminat or Viton
- Shoes plus socks
- Protective eyewear

## 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.

**Entry Restrictions for Non-WPS Uses:** Do not allow people (other than applicator) or pets on treatment area during application. Do not enter into treated areas until sprays have dried.

## Storage and Disposal

Do not contaminate water, food, feed or fertilizer by storage or disposal.

**Storage:** Store above 10°F or warm and agitate before use.

**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 (Metal):** Triple rinse (or equivalent). Puncture and dispose of in sanitary landfill, or by other procedures approved by state and local authorities.

**Container Disposal (Plastic):** Triple rinse (or equivalent). Puncture and dispose of in sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

## GENERAL INFORMATION

Spotlight\* herbicide provides postemergence control of annual and perennial broadleaf weeds in established turf, including residential lawns, golf courses, sports fields, sod farms and around commercial buildings and other commercial turf areas.

**Spotlight is recommended for use on the following established turfgrass species:**

(Numbers in parentheses (-) refer to footnotes below)

Common Name	Scientific Name
bentgrass (1)	<i>Agrostis species</i>
bluegrass, Kentucky	<i>Poa pratensis</i>
fescue, chewing	<i>Festuca rubra var. commutata</i>
fescue, creeping red	<i>Festuca rubra</i>
fescue, sheeps	<i>Festuca ovina</i>
fescue, tall	<i>Festuca arundinaceae</i>
ryegrass, perennial	<i>Lolium perenne</i>

**Established Warm Season Turf Grasses (2)**

Common Name	Scientific Name
bahiagrass	<i>Paspalum notatum var. sauriae parodi</i>
Bermudagrass (1)	<i>Cynodon dactylon</i>
centipedegrass	<i>Eremochloa ophiuroides</i>
zoysiagrass	<i>Zoysia japonica</i>
zoysiagrass	<i>Zoysia tenuifolia</i>
St. Augustinegrass (1)	<i>Stenotaphrum secundatum</i>
fescue, tall (growing in warm season areas)	<i>Festuca arundinaceae</i>

- (1) Use Spotlight on these species only at the 2/3 pint/acre rate and only if some injury can be tolerated.
- (2) Use no more than 1-1/3 pint/acre on warm season turf species unless some injury can be tolerated.

### Key Weeds Controlled or Suppressed and Application Rates:

Weeds Controlled	Application Rate <sup>†</sup>	
	(pt/acre)	(fl oz/1000 sq ft)
bedstraw, catchweed deadnettle, purple purslane, common	2/3 – 1	0.25 – 0.38
bindweed, field buttonweed, Virginia chickweed clover, white ivy, ground medic, black speedwell, slender velvetleaf woodsorrel, common	1 – 1 1/3	0.38 – 0.5
dandelion, common henbit knotweed, prostrate matchweed plantain, buckhorn plantain, broadleaf	2 1/2	0.9
Veronica species (suppression only)	1 – 2 1/2	0.38 – 0.9

<sup>†</sup>Generally, application rates at the lower end of the recommended rate range will be satisfactory for young, succulent growth of sensitive weed species. For less sensitive species, perennials, and other conditions where control is more difficult (plant stress conditions such as drought or extreme temperatures, dense weed stands and/or larger weeds) the higher rates within the rate range will be needed. Weeds growing in the absence of competition from other vegetation generally require higher rates to obtain satisfactory control or suppression.

### Use Precautions and Restrictions

- For use of Spotlight on a turf species not recommended on this label, the user may determine the suitability for such uses by treating a small area at a recommended rate. Prior to treatment of larger areas, the treated area should be observed for any sign of herbicidal injury during 30 days of normal growing conditions to determine if the treatment is safe to the target turf species. The user assumes the responsibility for any plant damage or other liability resulting from use of Spotlight on turf species not recommended on this label.
- Do not use Spotlight on golf course putting greens or tees.
- Do not allow sprays of Spotlight to contact exposed suckers or exposed roots of shallow rooted trees and shrubs or injury may occur.
- To minimize the potential for grass injury, additional applications should not be made within 4 weeks of a previous application.
- Maximum Application Rate:** Do not apply more than 2 1/2 pints per acre of Spotlight per annual growing season.
- This product should be used strictly in accordance with the drift and run-off precautions on this label in order to minimize off-site exposure.
- Under some conditions, this product may have a potential to run-off to surface water or adjacent land. Where possible, use methods which reduce soil erosion, such as no-till, limited till and contour plowing; these methods also reduce pesticide run-off. Where feasible, use application techniques such as T-banding, and in-furrow techniques which incorporate the pesticide into the soil. Use of vegetation filter strips is recommended along rivers, creeks, streams, wetlands, etc or on the downhill side of fields where run-off could occur to minimize water runoff.

- Low humidity and high temperatures increase the evaporation rate of spray droplets and therefore the likelihood of increased spray drift. Avoid spraying during conditions of low humidity and /or high temperatures.

### Mixing Instructions

#### Spotlight Alone

Fill spray tank with water equal to 1/2 to 3/4 of the required spray volume. Add the required amount of Spotlight, then finish filling the tank. Provide sufficient agitation during mixing and application to maintain a uniform emulsion.

#### Tank Mixes

To control additional weeds, Spotlight may be tank mixed with labeled rates of other herbicides labeled for postemergence use on turfgrasses. Refer to the label of the tank mix product for applicable use directions, precautions, and restrictions before use.

#### Tank Mixing Precautions:

- Read carefully and follow all applicable use directions, precautions, and limitations on the respective product labels.
- Do not exceed recommended application rates. Do not tank mix with another pesticide product that contains the same active ingredient as this product unless the label of either tank mix partner specifies the maximum dosages that may be used.
- For other products packaged in water soluble packaging, do not tank mix with products containing boron or mix in equipment previously used to apply a product mixture containing boron unless the tank and spray equipment has been adequately cleaned.
- Always perform a (jar) test to ensure the compatibility of products to be used in tank mixture.
- Undiluted Spotlight and 2,4-D amine concentrates are not compatible and cannot be mixed together in the same supply tank when using injection equipment. Combinations of Spotlight and 2,4-D ester are compatible for this purpose.

**Tank Mix Compatibility Testing:** A jar test is recommended prior to tank mixing to ensure compatibility of Spotlight and other pesticides. Use a clear glass quart jar with lid and mix the tank mix ingredients in their relative proportions. Invert the jar containing the mixture several times and observe the mixture for approximately 1/2 hour. If the mixture balls-up, forms flakes, sludges, jels, oily films or layers, or other precipitates, it is not compatible and the tank mix combination should not be used.

#### Tank Mixing Instructions

Fill spray tank with water to 1/4 to 1/3 of the required spray volume. Start agitation. Add different formulation types in the order indicated, allowing time for complete mixing and dispersion after addition of each.

- Add dry flowables; wettable powders; aqueous suspensions, flowables or liquids.
- Maintain agitation and fill spray tank to 3/4 of total spray volume and then add Spotlight and other emulsifiable concentrates and any solutions.

Finish filling the spray tank. Maintain continuous agitation during mixing, final filling and throughout application. If spraying and agitation must be stopped before the spray tank is empty, the materials may settle to the bottom. Settled materials must be resuspended before spraying is resumed. A sparger agitator is particularly useful for this purpose. Settled material may be more difficult to resuspend than when originally mixed.

## Application Instructions

### Application Timing

For best results apply Spotlight when weeds are small and actively growing. Extreme growing conditions such as drought or near freezing temperatures prior to, at, and following time of application may reduce weed control. Broadleaf weed species germinate at different times. **Only weeds that are emerged at the time of application will be affected.** If foliage is wet at the time of application, control may be decreased. This product becomes rainfast within 1 hour after application.

Apply only to turfgrasses that are well established. Newly seeded turf should have received two or three mowings before application of Spotlight.

### Application

Spotlight may be applied to turf as a ground broadcast treatment or spot treatment. Apply at the rate of 2/3 to 2 1/2 pints per acre. Use calibrated equipment designed to provide uniform coverage. Avoid overlapping of the spray pattern that could result in higher than recommended application rates.

**Standard Volume Broadcast Application:** Apply in 20 or more gallons of total spray volume per acre (0.5 or more gallons spray per 1000 square feet). Use higher application volumes in situations where complete and uniform application must be assured, i.e., when Spotlight is tank mixed with foliar fertilizers. If required, spray volumes up to 200 gallons per acre may be used.

**Low Volume Application:** Apply in 5 to 20 gallons of total spray mix per acre (1/8 to 1/2 gallon spray per 1,000 square feet). Use low pressure and application equipment capable of delivering a uniform spray droplets. To improve spray coverage, the addition of a non-ionic surfactant at a rate of 1/4 to 1/2 pint per acre is suggested. Use the higher rate of surfactant for lower rates of Spotlight and lower spray volumes.

### Spot Treatments and/or Handheld Sprayers

Spot treatments should be applied at rates equivalent to broadcast applications.

**Hand-Held Sprayers:** Hand-held or backpack sprayers may be used for spot applications of Spotlight if care is taken to apply the spray uniformly and at a rate equivalent to a broadcast application. Application rates in the table are based on an area of 1,000 sq ft. The amount of Spotlight (fl oz or ml) in the table should be mixed with 1 gallon or more of water and applied to an area of 1,000 sq ft. To calculate the amount of product required for larger areas, multiply the table value (fl oz or ml) by the area to be treated in "thousands" of square feet, e.g., if the area to be treated is 3,500 sq ft, multiply the table value by 3.5 (Calculation: 3,500 ÷ 1,000 = 3.5). An area of 1000 sq ft is approximately 10.5 X 10.5 yards (strides) in size.

<b>Amount of Spotlight to Equal Specified Broadcast Rate (Mix with 1 Gallon or More of Water and Apply to 1,000 sq ft)</b>				
<b>2/3 pt/acre</b>	<b>1 pt/acre</b>	<b>1 1/3 pt/acre</b>	<b>2 pt/acre</b>	<b>2 1/2 pt/acre</b>
0.25 fl oz (7.25 ml)	0.37 fl oz (11 ml)	0.5 fl oz (14.5 ml)	0.74 fl oz (22 ml)	0.92 fl oz (28 ml)

<sup>†</sup>1 fl oz = 29.6 (30) ml

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### Terms and Conditions of Use

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If terms of the following Warranty Disclaimer, Inherent Risks of Use, and Limitation of Remedies are not acceptable, return unopened package at once to the seller for a full refund of purchase price paid. Otherwise, use by the buyer or any other user constitutes acceptance of the terms under Warranty Disclaimer, Inherent Risks of Use and Limitations of Remedies.

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### Warranty Disclaimer

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Dow AgroSciences warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions, subject to the inherent risks set forth below. Dow AgroSciences MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

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### **Inherent Risks of Use**

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It is impossible to eliminate all risks associated with use of this product. Crop injury, lack of performance, or other unintended consequences may result because of such factors as use of the product contrary to label instructions (including conditions noted on the label, such as unfavorable temperatures, soil conditions, etc.), abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricanes), presence of other materials, the manner of application, or other factors, all of which are beyond the control of Dow AgroSciences or the seller. All such risks shall be assumed by buyer.

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### **Limitation of Remedies**

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The exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, strict liability, or other legal theories), shall be limited to, at Dow AgroSciences' election, one of the following:

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

Dow AgroSciences shall not be liable for losses or damages resulting from handling or use of this product unless Dow AgroSciences is promptly notified of such loss or damage in writing. In no case shall Dow AgroSciences be liable for consequential or incidental damages or losses.

The terms of the Warranty Disclaimer, Inherent Risks of Use and this Limitation of Remedies cannot be varied by any written or verbal statements or agreements. No employee or sales agent of Dow AgroSciences or the seller is authorized to vary or exceed the terms of the Warranty Disclaimer or this Limitation of Remedies in any manner.

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#### **Revision Notes:**

1. Correction to Application paragraph.
2. Addition of the following text under Use Precautions and Restrictions:  
"This product should be used strictly in accordance with the drift and run-off precautions on this label in order to minimize off-site exposure."