



United States  
**Environmental Protection Agency**  
 Washington, DC 20460

<input type="checkbox"/>	Registration
<input type="checkbox"/>	Amendment
<input checked="" type="checkbox"/>	Other

OPP Identifier Number  
 NOTIFICATION

**Application for Pesticide - Section I**

1. Company/Product Number 100-907	2. EPA Product Manager Mr. Joanne Miller	3. Proposed Classification  <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Discover™ Herbicide	PM# 23	
5. Name and Address of Applicant (Include ZIP Code) Syngenta Crop Protection, Inc. P. O. Box 18300 Greensboro, NC 27419  <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to:  EPA Reg. No. _____  Product Name _____	

**Section - II**

<input type="checkbox"/> Amendment - Explain below.	<input checked="" type="checkbox"/> Final printed labels in response to Agency letter dated <b>January 14, 2002</b>
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

**NOTIFICATION**  
**FEB 28 2002**

**Explanation: Use additional page(s) if necessary. (For Section I and Section II.)**  
 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 of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA. The following changes are being made via this notification:

Submission of final printed labeling which accurately reflects the labeling accepted on January 24, 2002. Requested changes are as follows.

- The Personal Protective Equipment section, Applicators and other handlers must wear section, Engineering Control Statements and User Safety Recommendations are included on the container label.
- The Signal Word "Warning" and "Keep Out of Reach of Children" appear on the front panel of the container label.

**Section - III**


1. Material This Product Will Be Packaged In:			
Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	2. Type of Container <input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
*Certification must be submitted		If "Yes" Unit Packaging wgt. No. per Container	If "Yes" Unit Packaging wgt. No. per container
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container	5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled <input type="checkbox"/> Other _____			

**Section - IV**

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Dan Campbell	Title Regulatory Product Manager, Herbicides	Telephone No. (Include Area Code) 336-632-7627
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature 	3. Title Regulatory Product Manager, Herbicides	
4. Typed Name Dan Campbell	5. Date February 22, 2002	

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PULL HERE TO OPEN ►



## Herbicide

*A single pass liquid postemergence herbicide for control of grass weeds in spring wheat (including Durum)*

<b>Active Ingredient:</b>	22.3%
Clodinafop-propargyl (CAS No. 105512-06-9)	77.7%
<b>Other Ingredients:</b>	100.0%
<b>Total:</b>	100.0%

*This product contains petroleum distillates, xylene, or xylene-range aromatic solvent.*

*Discover Herbicide contains 2 lbs. of clodinafop-propargyl active ingredient per gallon.*

EPA Reg. No. 100-907 EPA Est. 71478-CAN-001  
 Product of Canada


**SCP 907A-L1B 0102**

**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.)*

*See additional precautionary statements and directions for use inside booklet.*

**1.25 gallons**  
U.S. Standard  
Measure



**NOTIFICATION**  
FEB 28 2002

<b>FIRST AID</b>	
<b>If swallowed</b>	<ul style="list-style-type: none"> <li>• Immediately call a poison control center or doctor.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give any liquid to the person.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>If in eyes</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If inhaled</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
<b>NOTE TO PHYSICIAN</b>	
Contains petroleum distillate - vomiting may cause aspiration pneumonia.	
<b>HOT LINE NUMBER</b>	
For 24 Hour Medical Emergency Assistance (Human or Animal) or Chemical Emergency Assistance (Spill, Leak, Fire, or Accident) Call <b>1-800-888-8372</b>	

### PRECAUTIONARY STATEMENTS

#### Hazards to Humans and Domestic Animals

##### WARNING/AVISO

Causes skin and eye irritation. Harmful if swallowed. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Do not get in eyes, on skin, or on clothing.

#### Personal Protective Equipment

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 selection chart.

#### Applicators and other handlers must wear:

- Coveralls over short-sleeved shirt and short pants
- Chemical-resistant gloves, such as barrier laminate or viton
- Chemical-resistant footwear plus socks
- Chemical-resistant apron when cleaning equipment, mixing, or loading

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 Control Statements

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

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 disposing of equipment wash water or rinsate.

#### Physical or Chemical Hazards

Do not use or store near heat or open flame.

**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.

The Directions for Use of this product should be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of SYNGENTA CROP PROTECTION, Inc. or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold SYNGENTA and Seller harmless for any claims relating to such factors.

SYNGENTA warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. This warranty does not extend to the use of the product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or SYNGENTA, and Buyer and User assume the risk of any such use. SYNGENTA MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

In no event shall SYNGENTA or Seller be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF SYNGENTA AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF SYNGENTA OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

SYNGENTA and Seller offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitations of Warranty and of Liability, which may not be modified except by written agreement signed by a duly authorized representative of SYNGENTA.

**DIRECTIONS FOR USE**

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

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 over short-sleeved shirt and short pants
- Chemical-resistant gloves, such as barrier laminate or viton
- Chemical-resistant footwear plus socks

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

**STORAGE AND DISPOSAL**

Do not contaminate water, food, or feed by storage or disposal. Do not use in animal feeds.

**Storage**

Store in a cool, dry place.

**Pesticide Disposal**

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**Container Disposal**

Do not reuse empty container. Triple rinse (or equivalent), puncture, and dispose of empty container in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

For minor spills, leaks, etc., follow all precautions indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and facilities during cleanup procedures and disposal of wastes. In the event of a major spill, fire, or other emergency, call 1-800-888-8372, day or night.

**GENERAL INFORMATION**

Discover controls several grass weed species in all kinds of spring wheat (including Durum).

Applied postemergence, Discover is rapidly absorbed by weed foliage and translocated to the growing points where it inhibits the acetyl CoA carboxylase (ACCase) enzyme. Susceptible weed species generally stop growing within 48 hours, turn yellow within one to three weeks, and are completely controlled within three to five weeks. Level and rate of control depend on weed species, growing conditions, crop competition, and coverage. Thorough coverage of the plants is essential for consistent control.

**Rotational Crop Restrictions**

The following crops may be planted at the specified interval following application of Discover.

Crop	Rotational Interval
Spring wheat (including Durum)	0 days
Lettuce and other leafy vegetables	30 days
Small grains other than spring wheat (including Durum)	30 days
All other crops	30 days

Although Discover does not control broadleaf weeds, it can be tank mixed with a wide range of broadleaf herbicides to provide broad spectrum one-pass weed control. See the section entitled **Tank Mixes of Discover Herbicide with Broadleaf Weed Herbicides**. Herbicides not approved on this label for tank mixing with Discover may be applied sequentially. Always apply Discover first and allow at least 4 days after application of Discover before applying these herbicides sequentially.

**Weeds Controlled**

Discover Herbicide controls wild oats, volunteer oats, green foxtail, yellow foxtail, giant foxtail, barnyardgrass, canarygrass, Persian dandelion, volunteer corn, and annual ryegrass.

**Management of Resistant Weeds**

Some naturally occurring populations of wild oats, green foxtail, and Persian dandelion have been identified as resistant to herbicides with the ACCase mode of action (herbicides with the same mode of action as Discover such as: Achieve®, Cheyenne®, Dakota®, Hoelon®, Puma™, Tiller®). Selection of resistant biotypes, through repeated use of these herbicides in the same field, may result in control failures. Rotate the use of Discover Herbicide with herbicides that have a different mode of action, or use cultural control practices, in order to delay selection for resistant populations of weeds.

A resistant biotype may be present if poor performance cannot be attributed to adverse weather conditions or improper application methods. If resistance is suspected, contact your local Syngenta representative for assistance.

**APPLICATION PROCEDURES****Timing of Application**

Apply Discover Herbicide to all types of spring wheat (including Durum) from the 2-leaf stage to pre-boot stage. Refer to the **Crop Use Directions** section for grazing and harvest restrictions. When tank mixing with a broadleaf herbicide, always refer to the label of the tank mix partner prior to use.

For optimum results, apply Discover Herbicide to actively growing weeds. An early application will maximize crop yields by reducing weed competition. Weeds emerging after application will not be controlled.

## TIMING OF APPLICATION TO WEEDS

Weed	Leaves on Main Stem	Tillers
Wild Oats Volunteer Oats Canarygrass	1 to 6-leaf stage on main stem	Prior to emergence of the 4th tiller
Green Foxtail Yellow Foxtail Giant Foxtail	1 to 5-leaf stage on main stem	For optimum control, apply prior to emergence of the 3rd tiller and while weeds are actively growing.
Persian Darnel Annual Ryegrass Barnyardgrass Volunteer Corn	1 to 5-leaf stage on main stem	For optimum control, apply before tillering and while weeds are actively growing.

Weed control can be reduced or delayed under conditions of stress, such as drought, heat, insufficient fertility, flooding, and prolonged cool temperatures. Grass escapes or re-tillering may occur if application is made during prolonged conditions of stress. Optimum weed control will be obtained if application of Discover Herbicide is delayed until the conditions of stress have ended and weeds are once again actively growing.

**Note:** Discover Herbicide alone can be used 30 minutes before rainfall.

**Precaution:** Do not apply to a crop that is stressed by conditions such as frost, low fertility, drought, flooding, disease damage, or insect damage, as crop injury may result. Wheat is more susceptible to injury when exposed to temperatures below 40°F during the period 48 hours before or after Discover Herbicide application.

**Use Rates**

Apply the recommended rate of Discover Herbicide and DSV Adjuvant, using ground equipment, in a minimum of 5 gals. of water per acre, or apply aerially in a minimum of 3 gals. of water per acre (see **Application Procedures and Spray Equipment** sections for exceptions).

## PRODUCT AND ADJUVANT USE RATES

<b>To Control:</b> Wild Oats Volunteer (Tame) Oats Barnyardgrass Canarygrass Volunteer Corn	<b>To Control:</b> Green Foxtail Yellow Foxtail Giant Foxtail Persian Darnel Annual Ryegrass (Italian)
<b>For Suppression*:</b> Green foxtail Yellow foxtail	
<b>Apply:</b> 3.2 oz./A of Discover + 10.2 oz./A of DSV Adjuvant	<b>Apply:</b> 4 oz./A of Discover + 12.8 oz./A of DSV Adjuvant
<b>Note:</b> The contents of one Discover case treats 50 Acres.	<b>Note:</b> The contents of one Discover case treats 40 Acres.

\*Indicates "Partial Control" which means significant activity but not always at a level generally considered acceptable for commercial weed control.

**Note:** Always use DSV Adjuvant with Discover Herbicide. When applied at the recommended rates, all the DSV Adjuvant will be used with the Discover Herbicide in each case of product.

**Aerial Application:** Apply Discover Herbicide in water using a minimum spray volume of 3 gals./A. Use a minimum of 5 gals./A under dry conditions and when treating Persian darnel or annual ryegrass. Include DSV Adjuvant in the spray mixture (see **Mixing Instructions**). Use the recommended rates for DSV Adjuvant given in the **Product and Adjuvant Use Rates** table. Do not apply DSV Adjuvant at concentrations greater than 2% v/v in the spray mix as crop injury may result. Avoid application under conditions where uniform coverage cannot be obtained or where excessive spray drift may occur. Make applications at a maximum height of 10 ft. above the crop with low-drift nozzles at a maximum pressure of 40 psi and wind speed not exceeding 10 mph to help assure accurate application within the target area.

**SPRAY EQUIPMENT**

**Ground Spray Equipment:** For best accuracy, calibrate the sprayer before use.

**Nozzles** – Must be uniformly spaced along the boom to provide accurate and uniform coverage. Point the nozzles forward in the direction of travel at an angle of 45° for optimum coverage of grass weeds. Follow the nozzle manufacturer's recommendations for pressure and screens.

## Discover™

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**Pump** – Must have capacity to maintain pressure (35-40 psi) and to maintain the product suspension through tank agitation. A centrifugal pump is recommended with an agitation rate of 20 gals./minute/100 gals. tank size. Agitation must be maintained during mixing and spraying.

**Screens** – Use a screen or strainer with 16-mesh or coarser on the suction side of the pump. Do not place a screen in the recirculation line unless using a roller or piston pump. Use 50-mesh or coarser screens between the pump and boom, and at the nozzles.

**Water Volume** – Use a minimum application rate of 5-10 gals. of water per acre. Always use a minimum of 10 gals. of water per acre under dry conditions and when treating Persian darnel or annual ryegrass.

**Adjuvants** – Always use the DSV Adjuvant included in the Discover case. Other adjuvants should not be used. See **Mixing Instructions**.

**Pressure** – 35-40 psi at the nozzles. Lower pressure may be used with extended range or low pressure nozzles.

Good weed coverage with the spray mixture is essential for optimum weed control results. Observe sprayer nozzles frequently during the spraying operation to ensure that the spray pattern is uniform. Avoid large spray overlaps which result in excessive rates in the overlap areas. Also, avoid application under conditions when uniform coverage cannot be obtained or when excessive spray drift may occur. To reduce spray drift, do not apply under windy conditions. Allow adequate distance between target area and desirable vegetation to prevent drift to nontarget areas. Boom height for broadcast over-the-top application should be based upon the free-standing height of the crop, not height above the soil surface, and should be at least 12 inches above the crop.

Avoid all direct or indirect contact (such as spray drift) of Discover Herbicide with crops other than those recommended for treatment on this label, since injury may occur.

**Chemigation:** Do not apply this product through any type of irrigation system.

### Recommendations to Avoid Spray Drift

#### Aerial Drift Management

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. These requirements do not apply to forestry applications, public health uses, or to applications using dry formulations.

1. The distance of the outermost nozzles on the boom must not exceed  $\frac{3}{4}$  the length of the wingspan or rotor.
2. Nozzles must always point backward parallel with the air stream and never be pointed downward more than 45 degrees.

Where states have more stringent regulations, they should be observed.

The applicator should be familiar with and take into account the information covered in the **Aerial Drift Reduction Advisory Information**.

### Aerial Drift Reduction Advisory Information

#### Information on Droplet Size

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

#### Controlling Droplet Size

- **Volume** – Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets.
- **Pressure** – Do not exceed the nozzle manufacturer's recommended pressures. For many nozzle types, lower pressure produces larger droplets. When higher flow rates are needed, use higher flow rate nozzles instead of increasing pressure.
- **Number of Nozzles** – Use the minimum number of nozzles that provide uniform coverage.
- **Nozzle Orientation** – Orienting nozzles so that the spray is released parallel to the airstream produces larger droplets than other orientations and is the recommended practice. Significant deflection from 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 low-drift 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  $\frac{3}{4}$  of the wingspan or rotor length may further reduce drift without reducing swath width.

#### Application Height

Applications should not be made at a height greater than 10 ft. 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 up and downwind edges of the field, the applicator must compensate for this displacement by adjusting the path of the aircraft upwind. Swath adjustment distance should increase with increasing drift potential (higher wind, smaller drops, 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. Application should be avoided below 2 mph due to variable wind direction and high inversion potential. **Note:** Local terrain can influence wind patterns. Every applicator should be familiar with local wind patterns and how they affect spray drift.

**Temperature and Humidity**

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

**Temperature Inversions**

Applications should not occur during a temperature inversion because drift potential is high. Temperature inversions restrict vertical air mixing, 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**

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

**Sprayer Cleanup**

Thoroughly clean application equipment immediately after spraying. Ensure that all traces of the product are removed. The following recommendations are provided:

1. Drain and flush tank walls, boom, and all hoses for 10 minutes with clean water. Do not clean the sprayer near desirable vegetation, wells, or other water sources.
2. Remove the nozzles and screens and wash separately.
3. Dispose of all rinsings in accordance with state and local regulations.
4. If a broadleaf tank mix partner is used, always check tank mix partner label for any additional cleanup procedures.

**MIXING PROCEDURES****Mixing Instructions**

1. Clean spray tank and half fill with clean water. Start agitation or bypass system.
2. If a broadleaf herbicide is to be used, add the product **FIRST**, prior to adding Discover Herbicide and agitate for 2-3 minutes.
3. Add correct amount of Discover Herbicide.
4. Agitate for 2-3 minutes.
5. Add the correct amount of DSV Adjuvant as specified in the **Product and Adjuvant Use Rates** table.
6. Agitate for 1-2 minutes before adding remainder of water and then maintain constant agitation.
7. After any break in spraying operations, agitate thoroughly before spraying again.
8. Use the spray suspension as soon as it is prepared.
9. If an oily film starts to build up in the tank, drain tank and then clean with a detergent.

**CROP USE DIRECTIONS****Wheat (Including Durum)**

Discover Herbicide can be used on all types of spring wheat (including Durum) grown in Montana, Minnesota, North Dakota, and South Dakota. Do not allow spray to drift to adjacent fields seeded to crops other than wheat. Do not treat wheat underseeded to forages.

**Notes:** To avoid possible illegal residues: (1) Do not graze livestock or feed forage from treated areas for a minimum of 30 days following application; (2) Do not feed hay for 30 days following application; (3) Do not harvest for 60 days following application; and (4) Make only one application per crop season.



**Tank Mixes of Discover Herbicide with Broadleaf Weed Herbicides**

For broad spectrum control of grass and broadleaf weeds, Discover Herbicide can be tank mixed with the broadleaf herbicides listed in the following tables. Consult the label of the tank mix partner for a list of broadleaf weeds controlled, rates, timing, recropping restrictions, grazing interval restrictions, recommendations for specific weeds, directions for use, and precautions. Use in accordance with the most restrictive of label limitations and precautions. No label dosage rates should be exceeded. This product cannot be mixed with any product containing a label prohibition.

**Note:** When tank mixing, always add the broadleaf herbicides to the spray tank first. Follow with Discover Herbicide and add the DSV Adjuvant last.

**Table 1:** For the control of Wild Oats, Volunteer Oats, Green Foxtail, Canarygrass and broadleaf weeds (refer to tank mix partner label for specific weeds controlled), use Discover plus one of the following tank mixes.

Tank Mix Partners	Product Rates
Ally® <sup>1</sup>	0.1 oz./A
Amber® <sup>1</sup>	0.28-0.47 oz./A
Banvel®	2-3 oz./A
Banvel SGF®	4-6 oz./A
Bronate® <sup>2</sup>	3/4-1 1/2 pts./A
Bronate <sup>2</sup> + Starane™	3/4-1 1/2 pts./A + 2/3 pt./A
Buctril® <sup>3</sup>	3/4-1 1/2 pts./A
Buctril + MCPA ester (assume 4 lbs./gal.)	3/4-1 1/2 pts./A + 1/2-3/4 pt./A
Buctril Gel	1 pack/5 A
Buctril Gel + MCPA ester (assume 4 lbs./gal.)	1 pack/5 A + 1/2 to 3/4 pt./A
Canvas™ <sup>1</sup>	5-10 acres/pack
Clarity®	2-3 oz./A
Curtail™	2-2 2/3 pts./A
Curtail™ M	1 3/4 pts./A
Curtail M + Starane	1 3/4 pts./A + 2/3 pt./A
2,4-D Amine (assume 4 lbs./gal.)	8-12 oz./A
Express® <sup>1</sup>	1/6-1/3 oz./A
Finesse® <sup>1</sup>	2/10-4/10 oz./A
Glean® <sup>1</sup>	1/6-1/3 oz./A
Harmony® Extra <sup>1</sup>	0.3-0.6 oz./A
Harmony Extra <sup>1</sup> + MCPA ester (assume 4 lbs./gal.)	0.3-0.6 oz./A + 1/2-3/4 pt./A
Harmony GT <sup>1</sup>	0.3-0.6 oz./A
Harmony GT <sup>1</sup> + MCPA ester (assume 4 lbs./gal.)	0.3-0.6 oz./A + 1/2-3/4 pt./A
Harmony <sup>1</sup> GT + Starane	0.3-0.6 oz./A + 2/3 pt./A
MCPA Amine (assume 4 lbs./gal.)	8-12 oz./A
MCPA Ester (assume 4 lbs./gal.)	8-12 oz./A
Peak® <sup>1</sup>	1/4-1/2 oz./A
Peak <sup>1</sup> + MCPA ester (assume 4 lbs./gal.)	1/4-1/2 oz./A + 1/2-3/4 pt./A
Peak <sup>1</sup> + Bronate <sup>2</sup>	1/4-1/2 oz./A + 3/4-1 1/2 pts./A
Peak <sup>1</sup> + Starane	1/4-1/2 oz./A + 2/3 pt./A
Peak <sup>1</sup> + Starane + Sword®	1/4-1/2 oz./A + 1 1/2 pts./A
Starane	2/3 pt./A
Starane + Sword	1 1/2 pts./A
Stinger™	1/4-1/3 pt./A

<sup>1</sup>Addition of surfactants other than DSV Adjuvant is not required.

<sup>2</sup>Other equivalent products containing the active ingredients bromoxynil/MCPA esters may be used. Consult the specific product label for recommended rates.

<sup>3</sup>Other equivalent products containing the active ingredient bromoxynil may be used. Consult the specific product label for recommended rates.

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## Discover™

**Table 2:** For the control of Yellow Foxtail, Giant Foxtail, Persian Darnel, Annual Ryegrass, Barnyard-grass, Volunteer Corn, and broadleaf weeds (refer to tank mix partner label for specific weeds controlled), use Discover plus one of the following tank mixes.

Bronate <sup>2</sup>	3/4-1 1/2 pts./A
Buctril <sup>3</sup>	3/4-1 1/2 pts./A
Buctril Gel	1 pack/5 A
Harmony GT <sup>1</sup>	0.3-0.6 oz./A
Peak <sup>1</sup>	1/4-1/2 oz./A

<sup>1</sup>Addition of surfactants other than DSV Adjuvant is not required.

<sup>2</sup>Other equivalent products containing the active ingredients bromoxynil/MCPA esters may be used. Consult the specific product label for recommended rates.

<sup>3</sup>Other equivalent products containing the active ingredient bromoxynil may be used. Consult the specific product label for recommended rates.

*Precaution: Temporary crop injury may occur with tank mixes under extreme weather conditions or when the crop is suffering from stress due to inadequate or abnormally high moisture levels or extreme temperatures.*

**Note:** Tank mixing is not recommended with any chemical additives, pesticides, or fertilizers that are not recommended on this label as reduced annual grass control (antagonism) and/or crop injury may occur. Herbicides not approved on this label for tank mixing with Discover may be applied sequentially. Always apply Discover first and allow at least 4 days after application of Discover before applying these herbicides sequentially.

### Tank Mix Application with Tilt® Fungicide

Discover Herbicide may be applied in combination with Tilt Fungicide for weed and disease control. Apply Discover at 3.2-4.0 ozs./A in a tank mix with Tilt at recommended use rates. Add Tilt to the tank first, followed by Discover, then add DSV Adjuvant last. Refer to the Tilt label for specific use directions, application rates, restrictions, and a list of diseases controlled.

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For non-emergency (e.g., current product information), call Syngenta Crop Protection at 1-800-334-9481.
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Product of Canada

Syngenta Crop Protection, Inc.  
Greensboro, North Carolina 27409  
www.syngenta-us.com  
SCP 907A-L1B 0102

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**KEEP OUT OF REACH OF CHILDREN.  
WARNING/AVISO**

**Precautionary Statements**

Hazards to Humans and Domestic Animals

**WARNING/AVISO**

Causes skin and eye irritation. Harmful if swallowed. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Do not get in eyes, on skin, or on clothing.

**Personal Protective Equipment**

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 selection chart.

**1.25 gallons**

U.S. Standard Measure

**Applicators and other handlers must wear:**

- Coveralls over short-sleeved shirt and short pants
- Chemical-resistant gloves, such as barrier laminate or viton
- Chemical-resistant footwear plus socks
- Chemical-resistant apron when cleaning equipment, mixing, or loading.

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 Control Statements**

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, 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, to areas where surface water is present, or to intertidal areas below the mean high water mark.

Do not contaminate water when disposing of equipment wash water or rinsate.

**Physical or Chemical Hazards**

Do not use or store near heat or open flame.

**Aerial Drift Management Requirements**

Do not apply this product by air, unless the supplemental labeling on Aerial Drift Management in attached booklet is followed.

**Chemigation Prohibition**

Do not apply this product through any type of irrigation system.

**Container Disposal**

Do not reuse empty container. Triple rinse (or equivalent), puncture, and dispose of empty container in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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**Herbicide**

A single pass liquid postemergence herbicide for control of grass weeds in spring wheat (including Durum)

Active Ingredient:	
Clodinafop-propargyl (CAS No. 105512-06-9)	22.3%
Other Ingredients:	77.7%
<b>Total:</b>	<b>100.0%</b>

This product contains petroleum distillates, xylene, or xylene-range aromatic solvent.  
 Discover Herbicide contains 2 lbs. of clodinafop-propargyl active ingredient per gallon.  
 EPA Reg. No. 100-907      EPA Est. 71478-CAN-001  
 Product of Canada

**1.25 gallons**  
U.S. Standard Measure

See directions for use inside attached booklet.

**AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. Refer to supplemental labeling under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

**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.)

**First Aid**

**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.

**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 inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably

mouth-to-mouth, if possible. 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.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

**NOTE TO PHYSICIAN**

Contains petroleum distillate - vomiting may cause aspiration pneumonia.

**HOT LINE NUMBER**

For 24 Hour Medical Emergency Assistance (Human or Animal) or Chemical Emergency Assistance (Spill, Leak, Fire, or Accident) Call 1-800-888-8372

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