

264- 685

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Nang-Ly Chow, Ph.D.
Registration Manager
Bayer CropScience
P.O. Box 12014
2 T. W. Alexander Drive
Research Triangle Park, NC 27709

JUN 26 2007

SUBJECT: Application for Pesticide Notification – Correction of Text Error/Update Warranty
Option® Corn Herbicide
EPA Reg. No. 264-685
Application Dated May 24, 2007

Dear Dr. Chow:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the actions requested fall within the scope of PRN 98-10. The label submitted with the application has been stamped "Notification" and will be placed in our records.

If you have any questions, please me directly at 703-305-6249 or Terri Stowe of my staff at 703-305-6117.

Sincerely,

A handwritten signature in black ink, appearing to be "Linda Arrington".

Linda Arrington
Notifications & Minor Formulations Team Leader
Registration Division (7505P)
Office of Pesticide Programs



United States
Environmental Protection Agency
Washington, DC 20460

- ☐ Registration
☐ Amendment
☒ Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 264-685	2. EPA Product Manager Mr. James Tompkins	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Option® Corn Herbicide	PM Team 25	
5. Name and Address of Application (Include ZIP Code) Bayer CropScience PO Box 12014, 2 Alexander Drive, Research Triangle Park, NC 27709 <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

- ☐ Amendment - Explain below. ☐ Final printed labels in response to Agency letter dated _____
- ☐ Resubmission in response to Agency letter dated _____ ☐ "Me Too" Application.
- ☒ Notification - Explain below. ☐ Other - Explain below.

NOTIFICATION
JUN 26 2007

Explanation: Use additional page(s) if necessary. (For Section I and Section II.)

Notification of change made for the Precaution For Use -text point 7 (see page 9 of the submitted label) back to what was already approved by the Agency on 12/05/05 (see enclosed EPA approval record). As explained in our Cover letter today, this one text error was inadvertently introduced in Bayer's submission of Dec. 28, 2006. We also ~~update the~~ updated the statements under the 'Disclaimer of Warranties' and Limitations of Liability", based on the latest Agency's guidance and wording for these sections.

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" Package 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"/> Other _____ <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled		

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)

Name Nang-Ly Chow, Ph.D.	Title Registration Manager	Telephone No.: Phone: 919-549-2147 Fax: 919-549-2545
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 <i>Nang-Ly Chow</i>	3. Title: Registration Manager	
4. Typed Name: Nang-Ly Chow, Ph.D.	5. Date: May 24, 2007	

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Bayer CropScience



May 24, 2007

Mr. Jim Tompkins (RD-PM Team 25)
Document Processing Desk (NOTIF)
Office of Pesticide Programs – 7505P
U.S. Environmental Protection Agency
Room S4900, One Potomac Yard
2777 S. Crystal Drive
Arlington, VA 22202-4525

NOTIFICATION

JUN 26 2007

**Subject: Option® Corn Herbicide (EPA Registration No.: 264-685):
NOTIFICATION of Minor Labeling Changes per PRN 98-10**

Dear Mr. Tompkins

Bayer CropScience is hereby notifying the Agency of the minor labeling changes for the Option Corn Herbicide (Reg. No.: 264-685). The changes are for correcting the text error (regarding aerial application only) contained in the label we submitted under NOTIFICATION on Dec. 28, 2006 (adding Tank Mix-labeling). The below summary and enclosed documents are to support that the corrections qualifies as a NOTIFICATION amendment submission per PR Notice 98-10.

♦ The latest EPA approval of label amendment for Option Herbicide: The enclosed cover letter with the stamped label (December 5, 2005) show the Agency approved the aerial application:

- The cover letter: we note that Agency advised us – Under “Application Method” - to delete “Do not apply Option Corn herbicide using aerial application” (page 4 of the label)
- The EPA stamped label under ‘Precautions For Use’ (see page 10): we note the text for ‘Point 7’ is “ Do not apply this product through any type of irrigation system”

♦ Bayer then submitted on Dec. 28, 2006 a Notification amendment for adding tank-mix labeling and the Agency confirmed (Jan. 19, 2007 letter) that the requested changes fall within the scope of PR Notice 98-10 (see enclosure). However, we recently discovered that the 12/28/06 submitted Notification label contained a single text error regarding aerial application; specifically, under the “Precautions For Use”, the Point 7 now reads as “*Do not apply this product by air or through any type of irrigation system*”. So, we inadvertently added the wording “by air” into this precaution and prohibition statement. This is definitely a text insertion error, since the remainder of the entire label clearly permits aerial application, was approved by EPA on 12/05/2005.

♦ This Notification submission: It is for correcting this error under “Precaution For Use”. With this Notification, we have changed the text under Point 7 back to “Do not apply this product through any type of irrigation system”, as approved originally in the 12-05-2005 stamped label.

- We also notify the Agency we have updated the statements under the 'Disclaimer of Warranties' and Limitations of Liability". The update is based on the latest Agency's guidance and wording for these sections.

Enclosed are the EPA Form 8570-1 and three copies of the revised label. we also include one highlighted copy to show clearly where we made the changes (i.e. see pages 9 and 10).

This notification is consistent with the provisions of PR Notice 95-2 and EPA regulations at 40 CFR §152.46, and no other changes have been made to the labeling or the confidential statement of formula for these products. I understand that it is a violation of 18 U.S.C. Section 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 95-2 and 40 CFR §152.46, these products may be in violation of FIFRA and I may be subjected to enforcement action and penalties under Section 12 and 14 of FIFRA.

We believe our submission qualifies for a Notification Amendment, since it is to change the Precaution For Use (text point 7) back to what was already approved before by the Agency on 12/05/05. Further we certified above that no other changes were made.

We appreciate your screening review and looking forward to receiving the Agency's approval notice (e.g., confirmation notice by Ms. Linda Arrington for our 12/28/06 Notification submission.). I can be reached via nang-ly.chow@bayercropscience.com if you should have further questions.

Sincerely,

Nang-Ly Chow

Nang-Ly Chow, Ph.D.
Registration Manager

Enclosures

Notification/OPTION Notification - text error - Aerial application 12-28-2006.doc

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NOTIFICATION

JUN 26 2007

Option® Corn Herbicide

A Herbicide for the Control of Annual and Perennial Grass and Broadleaf Weeds in Field Corn

ACTIVE INGREDIENTS: Foramsulfuron* (CAS Number 173159-57-4)..... 35.0%

INERT INGREDIENTS: 65.0%

This product is a water dispersible granule containing 35% of total active ingredients by weight.

TOTAL: 100.0%

*Protected by U.S. Patent No 5,922,646

EPA Reg No. 264-685

E.P.A. Est. No.

KEEP OUT OF REACH OF CHILDREN CAUTION

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.)

For **MEDICAL** And **TRANSPORTATION** Emergencies **ONLY** Call 24 Hours A Day 1-800-334-7577
For **PRODUCT USE** Information Call 1-866-99BAYER (1-866-992-2937)

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 for treatment 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.
For MEDICAL Emergencies Call 24 Hours A Day 1-800-334-7577. Have the product container or label with you when calling a poison control center or doctor or going for treatment.	

PRECAUTIONARY STATEMENTS

CAUTION

HAZARD TO HUMANS AND DOMESTIC ANIMALS

Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals.

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 A on an EPA chemical resistance category selection chart.

Applicators and other handlers must wear: Long-sleeved shirt and long pants, socks, shoes and chemical-resistant gloves made of any waterproof material such as polyethylene or polyvinyl chloride. 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 statement:

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.

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USER SAFETY RECOMMENDATIONS

Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

ENVIRONMENTAL HAZARDS

This product is toxic to 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 or rinseate.

This product has a high potential for runoff after application. Poorly draining soils and soils with shallow water tables are more prone to produce runoff that contains this product. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams and springs will reduce the potential for contamination of water from runoff. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted to occur within 48 hours. Sound erosion control practices will reduce this product's contribution to surface water contamination.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.
Read entire label before using this product.

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 same area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticides.

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 intervals. 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 long-sleeved shirt and long pants, socks and shoes and chemical-resistant gloves made of any waterproof material such as polyethylene or polyvinyl chloride.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE

Keep container tightly closed when not in use. Avoid cross contamination with other pesticides.

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

Empty containers should be triple rinsed (or equivalent), then offered for recycling or reconditioning; or puncture and disposed of in a sanitary landfill, or by incineration; or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

GENERAL INFORMATION

Option® Corn Herbicide is a sulfonyleurea herbicide. Option® Corn Herbicide is intended for application as a foliar spray in corn for the control of annual and perennial grass and broadleaf weeds. Weed growth ceases within hours after Option® Corn Herbicide is applied. Symptoms progress from yellowing to necrosis resulting in eventual plant death within 1-3 weeks after application.

Sulfonyleurea herbicides have been associated with temporary yellowing or stunting. Corn quickly outgrows these effects and develops normally. Option® Corn Herbicide contains a safener which enhances the ability of corn to recover from any initial herbicide effects. Option® Corn Herbicide is for use on field corn and is **NOT** to be used on sweet corn or popcorn. Consult your local seed company agronomist prior to the use of Option Corn Herbicide on corn grown for seed (inbreds). Option® Corn Herbicide can be used on all types of field corn, including hi-lysine, white and high oil corn.

Injury arising from Option® Corn Herbicide due to hybrid sensitivity is the responsibility of the user. Follow seed company recommendation charts for hybrid sensitivity to sulfonyleurea herbicides or ALS inhibitors.

Do not apply Option® Corn Herbicide to corn that exhibits herbicide injury from previous applications of other herbicides.

INSECTICIDE INTERACTION INFORMATION

Soil Insecticide Interaction Information

When Option® Corn Herbicide and organophosphate (OP) insecticides are applied to corn, the degradation of Option® Corn Herbicide is slower and corn injury can occur. **DO NOT USE** Option® Corn Herbicide in the same season as Counter® 15G, Counter® 20CR in furrow, Dyfonate® and Thimet®.

For all corn hybrids, the following soil applied insecticides may be used prior to an application of Option® Corn Herbicide:

Soil Applied Insecticide	Use Pattern	Use of Option® Corn Herbicide in the Same Season
Aztec®	All	No use precautions
Capture®, Force®, Regent®	All	No use precautions
Lorsban® 15G	All	Temporary injury may occur
Counter® 20CR	T-band	Consult Counter® 20CR label
Counter® 20CR	In-furrow	DO NOT USE
Counter® 15G, Thimet®, Dyfonate®	All	DO NOT USE

Foliar Insecticide Interaction Information

Foliar applications of an OP insecticide should **not** be made within 7 days of an Option® Corn Herbicide application or injury may result.

APPLICATION TIMING

Weed Application Timing

Option® Corn Herbicide is for postemergent use. Best results are obtained when applications are made to young actively growing weeds. Option® Corn Herbicide will affect weeds that are larger than the recommended height, however, speed of activity and control may be reduced.

Broadcast Corn Application Timing

Broadcast applications of Option® Corn Herbicide must be made when corn is in the V1 through V6 growth stage.

Late or Rescue Applications:

Applications of Option Corn Herbicide at 1 3/4 ounces per acre may be applied to escaped weeds beyond labeled weed heights. In these situations, partial control and reduced weed competition can be expected.

Drop Nozzles must be used for applications of Option® Corn Herbicide when corn is greater than V6 and less than V8 stage of growth. Do not apply to corn that is more mature than V8 (i.e. more than 8 visible leaf collars) stage of growth.

Yield loss due to competition: Research indicates competition from foxtail exceeding 4 inches in height may reduce corn yields. Applications to foxtail and other annual grasses that exceed the sizes stated on the label increases the risk of yield losses due to prolonged competition with the crop even though control may be acceptable.

Applications of Option® Corn Herbicide on corn that is V7 to V8 increases the potential for crop response. The risk may be greatly reduced, but not eliminated, by using drop nozzles properly placed between corn rows to optimize coverage on the weeds and minimize spray contact in the whorl and the leaf axles of the corn stalks.

SPRAY ADDITIVES

Option® Corn Herbicide is a water dispersible granule that requires the use of an external adjuvant and nitrogen fertilizer.

- **Methylated or ethylated seed oil**, containing at least 80% MSO and 10% emulsifier or greater, in combination with nitrogen fertilizer, is the recommended adjuvant type to provide optimum weed control with Option® Corn Herbicide.
- Non-ionic surfactants, crop oil concentrates, crop oil concentrate/methylated seed oil blends, and refined vegetable oils are not recommended for use with Option® Corn Herbicide. The use of these adjuvants in place of methylated seed oil will result in unacceptable weed control.
- In areas of low relative humidity (west of highway 281, which begins in Texas and ends in North Dakota) Urea Ammonium Nitrate (UAN) is preferred over Ammonium Sulfate (AMS) and higher rates are recommended.
- The addition of nitrogen fertilizer replacements and/or insufficient amounts of nitrogen fertilizer may result in reduced weed control.

Recommended rates for methylated or ethylated seed oils and nitrogen fertilizers are listed in the following table:

Gallons Per Acre (GPA)	Adjuvant Type	Adjuvant Rate ¹	Nitrogen Fertilizer ²	Nitrogen Fertilizer Rate
10-20	Methylated or Ethylated Seed Oil (MSO or ESO)	1.5 pts./acre	28% or 32% Urea Ammonium Nitrate (UAN)	1.5 -2 qts./acre
10-20	Methylated or Ethylated Seed Oil (MSO or ESO)	1.5 pts./acre	Spray Grade Ammonium Sulfate (AMS)	1.5-3 lbs/ac

¹ For spray volumes of 15 gallons per acre or more, 1% v/v of methylated or ethylated seed oil can be used.

² Nitrogen fertilizer must be used in combination with an adjuvant.

APPLICATION METHODS

Uniform, thorough spray coverage is important to achieve consistent weed control. Select nozzles and pressure that deliver **MEDIUM** spray droplets as indicated in nozzle manufacturer's catalogs and in accordance with ASAE Standard S-572. Nozzles that deliver **COARSE** spray droplets may be used to reduce spray drift provided spray volume per acre (GPA) is increased to maintain coverage of weeds.

Do not use nozzles that produce **FINE** (e.g. - Cone) or **EXTRA COARSE** (e.g. - Flood jet) spray droplets.

Ground Application

Option® Corn Herbicide can be applied broadcast in a minimum of 10 gallons of water per acre. For weed control in dense weed populations or under adverse growing conditions, 15 to 20 gallons of water per acre is recommended.

Typically, flat-fan nozzles operated at 30-60 PSI will deliver **MEDIUM** spray droplets, providing optimum spray coverage and canopy penetration. Lower pressure operation and/or higher volume flat fan nozzles, typically, deliver **COARSE** sprays. Refer to nozzle manufacturer catalogs.

Air induction nozzles should be used at or near 80 psi to produce a medium droplet size.

Aerial Application

Option® Corn Herbicide should be applied in a minimum of 5 gallons of water per broadcast acre. Use nozzle types arrangements that will provide optimum spray distribution and maximum coverage. DO NOT use raindrop nozzles. Flagmen and loaders should avoid inhalation of spray mist and prolonged contact with skin.

See the *Spray Drift Management* section of this label for additional information on proper application of Option® Corn Herbicide.

Mixing Instructions

Option® Corn Herbicide must be applied with clean and properly calibrated equipment. Prior to adding Option® Corn Herbicide, ensure that the spray tank, filters and nozzles have been thoroughly cleaned.

1. Fill spray tank with 25% of the required volume of water, and begin agitation prior to the addition of Option® Corn Herbicide.
2. Continue agitation to ensure full dispersion of Option® Corn Herbicide.
3. If Option® Corn Herbicide is applied in a tank mixture with other pesticides, add Option® Corn Herbicide to the spray tank first and ensure it is thoroughly dispersed before adding other pesticides.
4. Continue to fill the spray tank with water to the desired volume and agitate while adding the required spray adjuvants and nitrogen fertilizers.

Continue agitation during application to ensure a uniform spray mixture. (If Option® Corn Herbicide is added to a partial tank of spray solution, pre-slurry Option® Corn Herbicide in clean water prior to adding to the tank.). If ammonium sulfate (AMS) is the nitrogen fertilizer source, it is preferred that the AMS go into the tank before the Option® Corn Herbicide.

RE-SUSPENDING WG PRODUCTS IN SPRAY SOLUTION

Like other Water Dispersible Granules or suspension concentrates (SC's), Option® Corn Herbicide will settle if left standing without agitation. If the spray solution is allowed to settle for one hour or more, re-agitate the spray solution for a minimum of 10 minutes before application.

COMPATIBILITY

If Option® Corn Herbicide is to be tank mixed with other herbicides, compatibility should be tested prior to mixing. To test for compatibility, use a small container and mix a small amount (0.5 to 1qt) of spray, combining all ingredients in the same ratio as the anticipated use. If any indications of physical incompatibility develop, do not use this mixture for spraying. Indications of incompatibility usually occur within 5-15 minutes after mixing. Read and follow the label of each tank mix product used for precautionary statements, directions for use, geographic and other restrictions.

WEED CONTROL RECOMMENDATIONS

Rate Recommendation Tables for Weed Control

Option® Corn Herbicide should be applied at a rate of 1½ - 1¾ ounces of product per acre, in field corn. Option® Corn Herbicide provides control of emerged weeds. Weeds emerging after application may require a second treatment. Sequential applications of Option® Corn Herbicide should not exceed a maximum of two applications or 3½ ounces of product per acre per use season. Option® Corn Herbicide at 1½ ounces of product per acre for control of grass and broadleaf weeds is shown in the following table.

**Grass Weeds Controlled with Option® Corn Herbicide
at a Rate of 1½ Ounces of Product Per Acre**

Grass Weed Species	Maximum Weed Height or Diameter At Application (Inches)
Barnyardgrass	4
Bluegrass, annual	4
Brome, downy	8
Brome, smooth	8
Canarygrass, reed	8
Crabgrass, large ^b	2
Cupgrass, woolly ^b	2
Fescue, tall	8
Foxtail, bristly	3
Foxtail, giant	6
Foxtail, green	3
Foxtail, yellow	3
Goosegrass	4
Johnsongrass, rhizome	16
Johnsongrass, seedling	16
Millet, wild-proso	3
Oat, wild	6
Orchardgrass	8
Panicum, fall	3
Panicum, Texas	2
Quackgrass	10
Ryegrass, Italian	8
Sandbur, field ^a	2
Shattercane	12
Signalgrass, broadleaf ^b	2
Stinkgrass (Lovegrass)	3
Wirestem Muhly	10
Witchgrass	3
Volunteer Cereals	4

^a Adequate soil moisture required for control.

^b For best management of these weeds a pre-emergent grass herbicide followed by Option® Corn Herbicide is recommended.

**Broadleaf Weeds Controlled with Option® Corn Herbicide
at a Rate of 1½ Ounces of Product Per Acre**

Broadleaf Weed Species	Maximum Weed Height At Application (Inches)
Burcucumber	3
Cocklebur, common	2
Jimsonweed	3
Lambsquarters, common	2
Mallow, venice	2
Marshelder	3
Morningglory, ivyleaf	*
Morningglory, pitted	*
Mustard, wild	4
Nightshade, eastern black	4
Nightshade, hairy	4
Pigweed, redroot	3
Pokeweed, common	3
Ragweed, common	2
Ragweed, giant	*
Sunflower, common	2
Velvetleaf	2

* Indicates suppression of 3 inch weeds.

Weed Resistance

ALS-resistance exists in some biotypes. These biotypes will **not** be controlled by Option® Corn Herbicide. Consider using herbicides with other modes of action such as Liberty® Herbicide or Balance® Pro Herbicide to control these species.

Cultivation

Cultivation can help remove suppressed weeds or multiple flushing weeds. Cultivation can be made at least 7 days before, or after, an application of Option® Corn Herbicide.

TANK MIX RECOMMENDATIONS FOR OPTION® CORN HERBICIDE

Certain tank mixes may aid in the performance of Option® Corn Herbicide. When using Option® Corn Herbicide in tank mix combinations, follow the precautions and directions of the most restrictive label.

Tank Mixtures for Additional Weed Control

Methylated or ethylated seed oil and nitrogen are recommended for use with all tank mix partners including Callisto used in conjunction with Option® Corn Herbicide.

Atrazine ¹	Fultime™ Herbicide	Prowl®
Beacon®	Guardsman Max ¹	Spirit™
Callisto™ Herbicide	Harness®	Sterling™ Plus Herbicide
Confidence® Herbicide	Harness® Xtra ¹	Surpass™ EC
Confidence® Xtra 5.6L Herbicide	Harness® Xtra 5.6L ¹	TopNotch™ Herbicide
Define™ SC	Hornet™ WDG	Tough® 5 EC Herbicide
Degree™ Herbicide	Keystone™ Herbicide ¹	Volley™ Herbicide
Degree Xtra™ Herbicide	NorthStar™	Widematch
Distinct™ Herbicide ²	Outlook™ Herbicide	
Exceed®	Permit®	

¹ Treat weeds that are less than 3 inches in height. Reduced control of yellow foxtail, quackgrass and wirestem muhly can be expected.

² Tank mixtures with Distinct should not be applied until corn reaches 4 inches in height.

Tank Mixtures for Insect Control

To provide weed and insect control in corn, Option® Corn Herbicide may be mixed with the following foliar insecticides.

Ambush® Insecticide	Baythroid® 2 Emulsifiable Pyrethroid Insecticide	Mustang®	Warrior™ Insecticide
Asana® XL Insecticide	Capture®	Pounce® 3.2EC Insecticide	

TANK CLEANUP PROCEDURE

1. Drain the tank completely, then wash out tank, boom and hoses with clean water. Drain again.
2. Fill the tank half full with clean water and add ammonia (i.e., 3% domestic ammonia solution) at a dilution rate of 1% (i.e., 1 gallon of domestic ammonia for every 100 gallons of rinsate). Completely fill the tank with water. Agitate/recirculate and flush through boom and hoses. Leave agitation on for 10 minutes. Drain tank completely.
3. Repeat Step 2.
4. Remove nozzles and screens and soak them in a 1% ammonia solution. Inspect nozzles and screens and remove visible residues.
5. Flush tank, boom, and hoses with clean water.
6. Inspect tank for visible residues. If present, repeat Step 2.

SPRAY DRIFT MANAGEMENT

Option® Corn Herbicide is not volatile. Damage to sensitive crops can occur as a result of spray drift. Spray drift can be managed by several application factors and by spraying under the appropriate climatic conditions. Consequently, avoidance of spray drift is the responsibility of the applicator.

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

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.

Do not apply under circumstances where possible drift to unprotected persons or to food, forage, or other plantings that might be damaged or crops thereof rendered unfit for sale, use or consumption can occur.

The following drift management requirements must be followed to avoid off-target drift movement from aerial applications to agricultural field crops.

1. The distance of the outer most nozzles on the boom must not exceed 3/4 the length of the wingspan or rotor.
2. Nozzles must always point backward parallel with the air stream and never be pointed downwards more than 45 degrees.
3. All aerial and ground application equipment must be properly maintained and calibrated using appropriate carriers.

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.

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 below).

Uniform, thorough spray coverage is important to achieve consistent weed control. Select nozzles and pressure that deliver **MEDIUM** spray droplets as indicated in nozzle manufacturer's catalogs and in accordance with ASAE Standard S-572. Nozzles that deliver **COARSE** spray droplets may be used to reduce spray drift provided spray volume per acre (GPA) is increased to maintain coverage of weeds.

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 3/4 of the wingspan or rotor length may further reduce drift without reducing swath width.

APPLICATION HEIGHT:

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

For ground boom applications, apply with nozzle height no more than 4 feet above the ground or crop canopy.

SWATH ADJUSTMENT:

When applications are made with a crosswind, the swath will be displaced downwind. 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.

For all non-aerial applications, wind speed must be measured adjacent to the application site, on the upwind side, immediately prior to application.

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. Avoid spraying during conditions of low humidity and/or high temperatures.

TEMPERATURE INVERSIONS:

Do not make aerial or ground applications into areas of temperature inversions. 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.

ROTATIONAL GUIDELINES

Option® Corn Herbicide rapidly degrades in the soil. This degradation is enhanced by warm moist soils that are microbially active.

If a corn crop has been destroyed by hail or other means soon after a Option® Corn Herbicide application, corn can be replanted **7 days** after an Option® Corn Herbicide application and soybeans can be planted **14 days** after an Option® Corn Herbicide application. All other crops can be planted **60 days** after an Option® Corn Herbicide application.

RESISTANCE MANAGEMENT

Some weed populations may contain plants naturally resistant to Option® Corn Herbicide or other herbicides with the same mode of action (ALS/AHAS enzyme inhibitors). Repeated use of herbicides with the same mode of action, allow resistant weeds to spread. To manage the development and spread of resistant weed populations, use herbicides with different modes of action in tank mixture, rotation, or in conjunction with alternate cultural practices. Option® Corn Herbicide can be used effectively as one of the modes of action in a Balance® Pro or Liberty® herbicide rotation.

PRECAUTIONS FOR USE

1. Option® Corn Herbicide is rainfast 2 hours after application to most weed species. Rainfall within 2 hours may necessitate retreatment with Option® Corn Herbicide or may result in reduced weed control. Applications should be made to actively growing weeds. Weed control may be reduced if application is made when weeds are dust covered or in the presence of heavy dew, fog, and mist/rain or when weeds are under stress due to drought.
2. DO NOT apply when wind causes drift to off-site vegetation as injury may occur. Small amounts of Option® Corn Herbicide delivered via drift or tank contamination can cause severe damage to other crops. Careful management of spray drift and tank cleanout is required.
3. DO NOT apply more than two applications of Option® Corn Herbicide to corn in one growing season.
4. DO NOT apply Option® Corn Herbicide within 70 days of harvesting corn grain or 45 days of harvesting corn forage. Do not graze within 45 days of an Option® Corn Herbicide application.
5. DO NOT plant rotational crops immediately following Option® Corn Herbicide application. Corn can be planted 7 days after an application of Option® Corn Herbicide. For all other crops refer to the rotational crops portion of this label.
6. DO NOT use nitrogen solutions as spray carriers.
7. DO NOT apply this product through any type of irrigation system.
8. Apply Option® Corn Herbicide spray mixtures within 24 hours of mixing to avoid product degradation.
9. Do not apply in greenhouse.
10. DO NOT apply more than 0.0765 lb ai/A of foramsulfuron from all recommended application of Tribute Solo™ WG32 Herbicide and Option® Corn Herbicide.
11. Do not apply Option® Corn Herbicide by air in the state of New York.

Option® Corn Herbicide is specially formulated for use on crops as specified in this label. Bayer CropScience is the owner of United States patent rights to methods and compositions covering certain uses, particularly the following United States Patents: 6,486,096; 6,569,805; 5,922,646; and 5,516,750. The purchase price of Option® Corn Herbicide includes a royalty whereby the purchaser acquires a prepaid license to employ the purchased quantity of Option only for the above specified uses under Bayer Crop Science's United States Patent rights and to provide notice of the terms and conditions of this license to any subsequent purchaser. Uses of Option® Corn Herbicide other than those specified on this label are not licensed through the purchase of this product, and the use of this product for other purposes may violate this license and the United States Patent rights of Bayer CropScience.

IMPORTANT: READ BEFORE USE

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