

7969-150

03/09/2009

1/14



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

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Dave G. Bolin
Product Registration Manager
BASF Corporation
Agricultural Products
P.O. Box 13528
Research Triangle Park, NC 27709-3528

MAR 9 2009

SUBJECT: Application for Pesticide Notification – Clarification of Cotton and Soil Preplant Use;
Updated Container Disposal Language per PR Notice 2007-4
Distinct® herbicide
EPA Reg. No. 7969-150
Application Dated November 26, 2007

Dear Mr. Bolin:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notices (PRNs) 98-10 and 2007-4 for the above product. The Registration Division (RD) has conducted a review of this request for its applicability under PRNs 98-10 and 2007-4, and finds that the label changes requested fall within the scope of these PRNs. The label has been date-stamped "Notification" and will be placed in our records.

Please be reminded that 40 CFR Part 156.140(a)(4) requires that a batch code, lot number, or other code identifying the batch of the pesticide distributed and sold be placed on nonrefillable containers. The code may appear either on the label (and can be added by non-notification/PR Notice 98-10) or durably marked on the container itself.

If you have any questions, please contact 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 read "Linda Arrington".

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

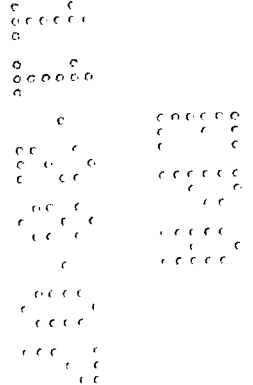


The Chemical Company

7969-150 3/14
Agricultural Products

November 26, 2007

Document Processing Desk (NOTIF)
Office of Pesticide Programs (7504C)
U S Environmental Protection Agency
One Potomac Yard
2777 S. Crystal Drive
Arlington, VA 22202



**RE: Distinct® Herbicide, EPA Reg. No. 7969-150;
Label Notification**

Dear Notification Team,

Per my e-mail and voicemail correspondence with Ms. Kathryn Montague (PM Team 23), BASF is submitting a label notification for Distinct Herbicide. This notification covers two items on the label.

- 1) Clarification of soybean and cotton preplant use
- 2) Addition of container cleaning / disposal text per PR Notice 2007-4

The current label maintains **General Restrictions and Limitations** as follows:

"Crop Rotation Restriction; Do not plant any crops within 120 days after the last application of Distinct, with the following exceptions: If at least 1 inch of rainfall or overhead irrigation is received following the last application of Distinct (less than or equal to 4 ounces per acre only); alfalfa, cereal grain crops, cotton, grain sorghum and soybeans may be planted following 30 days after the rainfall/irrigation event in all states except California."

BASF seeks to clarify this restriction in regards to soybeans and cotton with the specific text below. This text maintains the same level of General Restrictions and Limitations stated above. No other changes/additions have been made. The 120 day default interval text remains the same.

Notification Text:

**Cotton:
Preplant Rates and Timing**

Apply 2 to 4 ounces of Distinct per acre to control emerged broadleaf weeds prior to planting cotton. For best performance, apply Distinct when weeds are in the 2 to 4-leaf stage or when rosettes are less than 2 inches across.

Following an application of Distinct and a minimum accumulation of 1 inch rainfall or overhead irrigation, a waiting interval of 30 days is required. This interval must be observed prior to planting cotton or crop injury may occur. DO NOT make Distinct preplant applications to cotton in geographic areas with average rainfall less than 25 inches.

DO NOT apply preplant to cotton west of the Rockies.

BASF Corporation
26 Davis Drive
Research Triangle Park, NC 27709-3528
Tel: (919) 547-2000
www.basf.com/usa

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4/14

DO NOT exceed 4 ounces per acre in a spring application prior to planting cotton.

DO NOT apply additional dicamba containing products (e.g., Banvel[®], Clarity[®]) in either a tank mixture or sequentially in the same spring season.

-Soybean:

Preplant Rates and Timing

Apply 2 to 4 ounces of Distinct per acre to control emerged broadleaf weeds prior to planting soybeans. For best performance, apply Distinct when weeds are in the 2 to 4-leaf stage or when rosettes are less than 2 inches across.

Following an application of Distinct and a minimum accumulation of 1 inch rainfall or overhead irrigation, a waiting interval of 30 days is required. This interval must be observed prior to planting soybeans or crop injury may occur. DO NOT make Distinct preplant applications to soybeans in geographic areas with average rainfall less than 25 inches.

DO NOT apply preplant to soybeans in California.

DO NOT exceed 4 ounces per acre in a spring application prior to planting soybeans.

DO NOT apply additional dicamba containing products (e.g., Banvel[®], Clarity[®]) in either a tank mixture or sequentially in the same spring season.

This submission contains this cover letter, form 8570-1, one copy updated (notification) label with changes highlighted, one copy of the approved label, reference e-mail, and response form with stamped / self addressed envelope.

BASF believes that no PRIA fee is associated with this action. Thank you for your assistance with this request. If you have any questions or need additional information please contact me at 919-547-2108 (david.bolin@basf.com).

Respectfully submitted,

Dave G. Bolin
Product Registration Manager

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6/14

FIRST AID	
If in eyes	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. • Remove contact lenses, if present, after the first 5 minutes; then continue rinsing. • Call a poison control center or doctor for treatment advice.
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 by a poison control center or doctor. • DO NOT give anything by mouth to an unconscious person.
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact BASF Corporation for emergency medical treatment information: 1-800-832-HELP (4357).	

Precautionary Statements

Hazards to Humans and Domestic Animals
CAUTION. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Harmful if swallowed. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

Personal Protective Equipment (PPE)
Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves **Category A**
- Shoes plus socks

Follow the manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Safety Recommendations
Users should: <ul style="list-style-type: none"> • 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.

Engineering Controls 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.

Environmental Hazards

DO NOT apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. **DO NOT** contaminate water when disposing of equipment washwaters. This chemical is known to leach through soil into ground water under certain conditions as a result of agricultural use. Use of this chemical in areas where soils are permeable,

particularly where the water table is shallow, may result in ground water contamination.

Ground and Surface Water Protection

Point source contamination: To prevent point source contamination, **DO NOT** mix, load this pesticide product within 50 feet of wells (including abandoned wells and drainage wells), sink holes, perennial or intermittent streams and rivers, and natural or impounded lakes and reservoirs. **DO NOT** apply pesticide product within 50 feet of wells. This setback does not apply to properly capped or plugged abandoned wells and does not apply to impervious pad or properly diked mixing/loading areas as described below.

Mixing, loading, rinsing, or washing operations performed within 50 feet of a well are allowed only when conducted on an impervious pad constructed to withstand the weight of the heaviest load that may be on or move across the pad. The pad must be self-contained to prevent surface water flow over or from the pad. The pad capacity must be maintained at 110% that of the largest pesticide container or application equipment used on the pad and have sufficient capacity to contain all product spills, equipment or container leaks, equipment wash waters, and rainwater that may fall on the pad. The containment capacity does not apply to vehicles delivering pesticide shipments to the mixing/loading site. States may have in effect additional requirements regarding wellhead setbacks and operational containment.

Care must be taken when using this product to prevent: a) back siphoning into wells, b) spills or c) improper disposal of excess pesticide, spray mixtures or rinsates. Check valves or antisiphoning devices must be used on all mixing equipment.

Movement by surface runoff or through soil:

DO NOT apply under conditions which favor runoff. **DO NOT** apply to impervious substrates such as paved or highly compacted surfaces in areas with high potential for ground water contamination. Ground water contamination may occur in areas where soils are permeable or coarse and ground water is near the surface. **DO NOT** apply to soils classified as sand with less than 3% organic matter and where ground water

depth is shallow. To minimize the possibility of ground water contamination, carefully follow application rate recommendations.

Movement by water erosion of treated soil:

DO NOT apply or incorporate this product through any type of irrigation equipment or by flood or furrow irrigation. Ensure treated areas have received at least 1/2-inch rainfall (or irrigation) before using tailwater for subsequent irrigation of other fields.

Endangered Species Concerns

The use of any pesticide in a manner that may kill or otherwise harm an endangered species or adversely modify their habitat is a violation of federal law.

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
- Chemical-resistant gloves **Category A**
- Shoes plus socks

All applicable directions, restrictions, precautions and **Conditions of Sale and Warranty** are to be followed.

Storage and Disposal

DO NOT contaminate water, food, or feed by storage or disposal.

Pesticide Storage. Store product in original container only. Store product in a cool, dry place. **DO NOT** store

this product under wet conditions. Avoid cross-contamination with other pesticides.

Pesticide Disposal. Wastes resulting from this product may be disposed of on site or at an approved waste disposal facility. Improper disposal of excess pesticide, spray mix, or rinsate is a violation of federal law. If these wastes cannot be disposed of according to label instructions, contact the state agency responsible for pesticide regulation or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL

Nonrefillable Container. DO NOT reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Then offer for recycling, if available, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Triple rinse containers small enough to shake (capacity ≤ 5 gallons) as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank, or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Triple rinse containers too large to shake (capacity > 5 gallons) as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank, or store rinsate for later use or disposal. Repeat this procedure two more times.

Pressure rinse as follows: Empty the remaining contents into application equipment or mix tank. Hold container upside down over application equipment or mix tank, or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

In Case of Emergency

In case of large-scale spillage regarding this product, call:
CHEMTREC 1-800-424-9300
BASF Corporation 1-800-832-HELP (4357)

In case of medical emergency regarding this product, call:
• Your local doctor for immediate treatment
• Your local poison control center (hospital)
• BASF Corporation 1-800-832-HELP (4357)

9/14

conditions and especially combinations of stress factors. Crop leaning may occur during periods of rapid growth, but is usually temporary and dissipates within 7 days without subsequent yield reduction.

Corn growing under stress conditions such as drought, poor fertility, or foliar damage due to hail, wind or insects, can exhibit various injury symptoms that may be more pronounced if herbicides are applied.

Coverage

Weeds must be thoroughly covered with spray. Dense leaf canopies shelter smaller weeds and can prevent adequate spray coverage.

Cultivation

Avoid disturbing (e.g. tillage or cultivating) treated areas for at least 7 days following application to allow best herbicide uptake, translocation, and weed control.

Cleaning Spray Equipment

Clean application equipment thoroughly by using a strong detergent or commercial sprayer cleaner according to the manufacturer's directions and triple rinsing the equipment before and after applying this product.

II. Application Instructions

Best product performance is obtained when **Distinct® herbicide** is applied to actively growing weeds. Weeds treated with **Distinct** will typically display symptoms within several hours and be controlled in 3 to 7 days. Treated weeds will stop growing soon after application. Broadleaf weeds will display epinastic twisting and crinkling symptoms before becoming necrotic. Suppressed grass weeds may display some epinasty and remain stunted and green.

Ground Application Methods and Equipment

As a wettable granule formulation, **Distinct** can be applied using water as the spray carrier.

Water Volume. Use 3 to 50 gallons of diluted spray solution per treated acre. Use the higher water volume when treating dense or tall vegetation.

Application Equipment. Use application equipment that will provide good spray coverage of weed foliage. Exercise preventive measures to avoid drift onto nontarget areas.

Spray Drift Management

Spray drift from application equipment or the use of poorly cleaned equipment may cause injury to broadleaf crops such as tobacco and soybeans.

Avoid application when spray particles can be carried by wind to areas where broadleaf crops or plants are growing, or when temperature inversions exist. **Distinct** should not be applied during periods of gusty wind or when winds exceeds 15 mph as uneven spray coverage

may occur. **DO NOT** spray near sensitive crops if winds exceeds 5 mph toward sensitive plants.

Use coarse sprays (volume median diameter of 400 microns or more) to avoid potential herbicide drift. Select nozzles that are designed to produce minimal amounts of fine spray particles (less than 200 microns). Examples of nozzles designed to produce coarse sprays via ground applications are **Delavan® Raindrops, Spraying Systems XR** (excluding 110° tips) flat fans, **Turbo Teejets®, Turbo Floodjets®,** or large capacity flood nozzles such as D10, TK10, or greater capacity tips. Keep the spray pressure at or below 20 psi and the spray volume at or above 20 gallons per acre, unless otherwise required by the manufacturer of drift-reducing nozzles. Consult your spray nozzle supplier concerning the choice of drift-reducing nozzles. Agriculturally approved drift reducing additives may be used.

III. Additives

Adjuvants must be used with **Distinct** to achieve consistent weed control. The best results under most conditions will be achieved by combining a nonionic surfactant with urea ammonium nitrate. Refer to **Table 2. Additive Rates** for additive rates. Penetrants such as petroleum-based oils or methylated seed oils (MSO) are not recommended when **Distinct** is applied after corn emergence unless as specified for certain tank mixes. (see **Crop-specific Information** and **Noncrop Uses** sections of this label)

Nonionic Surfactant

The standard label recommendation is 1 quart of an 80% active nonionic spray surfactant per 100 gallons of water.

Nitrogen Source

Use a minimum of 5 quarts of urea ammonium nitrate (UAN; 28-34% nitrogen) per 100 gallons. Spray grade ammonium sulfate (AMS; 21% nitrogen) may be substituted for UAN at a minimum of 5 pounds per 100 gallons of spray mix. Use high-quality AMS (spray grade) to avoid plugging of nozzles. When using AMS, dissolve **Distinct** in the tank before adding AMS. Because most nitrogen solutions are mildly corrosive to galvanized, mild steel, and brass spray equipment, rinse the entire spray system with water soon after use.

Table 2. Additive Rates

Additive	Rate Per 100 Gallons of Water
Nonionic Surfactant + Nitrogen Source	1 quart (0.25% v/v) + 5 quarts of UAN (1.25% v/v) or 5 pounds of AMS

Compatibility Test for Mix Components

Add components in the following sequence using 2 teaspoons for each pound or 1 teaspoon for each pint of recommended label rate per acre.

- 1) **Water.** For 20 gallons per acre spray volume, use 3.3 cups (800 ml) of water. For other spray volumes, adjust rates accordingly. Use only water from the intended source at the source temperature.
- 2) **Products in PVA bags.** Cap the jar and invert 10 cycles.
- 3) **Water-dispersible products.** (dry flowables, wettable powders, suspension concentrates, or suspo-emulsions). Cap the jar and invert 10 cycles.
- 4) **Water-soluble products** such as **Distinct® herbicide.** Cap the jar and invert 10 cycles.
- 5) **Emulsifiable concentrates.** Cap the jar and invert 10 cycles.
- 6) **Water-soluble additives** (AMS or UAN when applicable). Cap the jar and invert 10 cycles.
- 7) Let the solution stand for 15 minutes.
- 8) **Evaluate** the solution for uniformity and stability. The spray solution should not have free oil on the surface, or fine particles that precipitate to the bottom, or thick (clabbered) texture. If the spray solution is not compatible, repeat the compatibility test with the addition of a suitable compatibility agent. If the solution is then compatible, use the compatibility agent as directed on its label. If the solution is still incompatible, **DO NOT** mix the ingredients in the same tank.

IV. Mixing Order

- 1) **Water.** Begin by agitating a thoroughly clean sprayer tank $\frac{1}{2}$ full of clean water.*
- 2) **Products in PVA bags.** Place any product contained in water-soluble PVA bags into the mixing tank. Wait until all water-soluble PVA bags have fully dissolved and the product is evenly mixed in the spray tank before continuing.
- 3) **Water-dispersible products** (dry flowables, wettable powders, suspension concentrates, or suspo-emulsions).
- 4) **Water-soluble products** such as **Distinct.**
- 5) **Emulsifiable concentrates.**
- 6) **Water-soluble additives** (nonionic surfactant, AMS, or UAN when applicable).
- 7) **Remaining quantity of water.**

Maintain constant agitation during application. For more information, refer to section **V. General Tank Mixing Information.**

*If the user prefers to fill the spray tank from a nurse tank containing an AMS product dissolved in water, this is acceptable. If this method is used, the AMS product must be totally dissolved before adding **Distinct.** **Distinct** must be thoroughly dissolved before adding additional products or additives. The user should verify that the AMS pre-mix water alternative is compatible with other tank mix components.

V. General Tank Mixing Information

Distinct is recommended to be used sequentially or tank mixed with other herbicides as part of a complete weed control program. Tank mix recommendations are for use only in states where the sequential or tank mix product and application site are registered. Refer to section **VII. Crop-specific Information** for more details and for specific tank mix restrictions. Local agricultural authorities may be a source of information when using other than BASF-recommended tank mixes. Read and follow the applicable restrictions and limitations and **Directions For Use** on all products involved in tank mixing. The most restrictive labeling applies to tank mixes.

Physical incompatibility, reduced weed control, or crop injury may result from mixing **Distinct** with other pesticides (fungicides, herbicides, insecticides, or miticides), additives, or fertilizers.

VI. General Restrictions and Limitations

- **Maximum seasonal use rate: DO NOT** apply more than a **total of 10 ounces of Distinct** (0.438 pounds a.i.) per acre, per season.
- **DO NOT** apply if corn is more than 36 inches tall or within 15 days before tassel emergence, whichever comes first.
- **Restricted-entry Interval (REI): 12 hours.**
- **Preharvest Interval (PHI): DO NOT** apply within **32 days** of corn forage harvest. **DO NOT** apply within **72 days** of corn grain and stover harvest.
- Allow a minimum of **15 days** between **sequential applications** of **Distinct.**
- **Crop Rotation Restriction: DO NOT** plant any crops within **120 days** after the last application of **Distinct**, with the following exceptions. If at least, 1 inch of rainfall or overhead irrigation is received following the last application of **Distinct** (less than or equal to 4 ounces per acre only); alfalfa, cereal grain crops, cotton, grain sorghum and soybeans may be planted following 30 days after the rainfall/irrigation event in all states except California. In the event of crop failure, corn can be replanted 7 or more days after application.
- **Rainfast period: Distinct** is rainfast **4 hours** after application when used with recommended adjuvants according to section **III. Additives.**
- **DO NOT** apply to corn showing **injury** (leaf phytotoxicity or plant stunting) produced by any other prior herbicide applications because this injury may be enhanced or prolonged.
- **DO NOT** apply through any type of **irrigation** system.
- **DO NOT** treat irrigation ditches or water used for crop irrigation or domestic uses.
- This product cannot be used to **formulate** or reformulate any other pesticide product.
- **DO NOT** apply to areas where desirable legumes or broadleaf crops are present.
- **DO NOT** graze or harvest hay from treated areas.

Table 3. Crop-specific Restrictions and Limitations

Crop	Minimum Time From Application to Harvest (PHI)	Maximum Rate Per Acre Per Application	Maximum Rate Per Acre Per Season	Livestock Grazing or Feeding
Corn, forage	32 days	8 ounces	10 ounces	not permitted
Corn, grain or stover	72 days			
Noncrop areas	not permitted	6 ounces	10 ounces	not permitted

VII. Crop-specific Information

Corn

FIELD CORN GROWN FOR GRAIN, SEED, OR SILAGE AND POPCORN

Before applying Distinct® herbicide to popcorn or seed corn, verify the selectivity of Distinct on the inbred line or popcorn hybrid with your local seed corn company (supplier). This precaution will help avoid potential injury of sensitive lines.

Distinct is not registered for use on sweet corn.

Application Rates and Timings: Corn

Distinct can be applied at the rates and growth stages listed in Table 4 in all tillage systems (e.g., conventional, no tillage, reduced tillage).

• Preplant Application in Reduced or No-Till Corn

Distinct can be applied up to 7 days before planting corn using rates of 4 to 6 ounces per acre. When planting in to a legume sod, (e.g., alfalfa or clover), apply 6 to 8 ounces of Distinct per acre after 4 to 6 inches of regrowth. Allow at least 15 days before planting if using more than 6 ounces per acre. Adjuvants must be used with Distinct herbicide to achieve consistent weed control. Using crop oil with Distinct after crop emergence is not recommended as crop injury may result.

When using liquid fertilizer as the carrier, always pre-slurry Distinct in water before adding to fertilizer solutions. Add the Distinct slurry to the final complete fertilizer mixture. DO NOT add Distinct during the fertilizer mixing process. Always use good agitation while adding the Distinct slurry to liquid fertilizers and maintain good agitation until sprayed. Conduct a compatibility test with all components when using liquid fertilizers as a carrier for Distinct. Use of sprayable fluid fertilizer as the carrier is not recommended for application of Distinct made after corn emergence.

• Very Early Postemergence

For very early postemergence applications (spike through 4 inches corn), use 4 ounces of Distinct per acre.

• Early Postemergence

For early postemergence applications (4 to 10 inches corn), use 6 to 8 ounces of Distinct per acre to provide knockdown and residual control through corn canopy closure. Early postemergence applications are recommended to minimize weed competition and maximize corn yield potential.

• Mid Postemergence

For mid postemergence applications (10 to 24 inches corn), use 4 ounces of Distinct per acre.

• Late Postemergence (Rescue) Application with Drop Nozzles

Distinct may be applied to corn 24 to 36 inches tall when using drop nozzles. DO NOT make applications when corn is within 15 days of tassel emergence. Apply 4 ounces of Distinct per acre. Avoid direct application of spray into the whorl of corn plants or crop injury may occur.

• Split Applications

Split applications of Distinct may be made during a growing season. DO NOT exceed a total of 10 ounces of Distinct per treated acre per crop year. Allow a minimum of 15 days between sequential applications of Distinct.

Field Corn Tank Mixes and Sequential Uses

In addition to control of many broadleaf weed species, Distinct offers herbistatic suppression of several annual grasses that may enhance overall control of your grass herbicide program. For commercial control of grasses Distinct should be used either as a sequential postemergence treatment following a preemergence grass herbicide (e.g., Outlook® herbicide or G-MaxLite™ herbicide) or in tank mix combination with a postemergence grass herbicide (e.g., Accent® or Option® herbicides).

Tank Mix Restrictions and Limitations

Distinct may be applied sequentially or in tank mixes with other herbicides registered for use in corn (including herbicides registered for used in corn hybrids tolerant to glyphosate, glufosinate, and imidazoinone) with the following limitations:

- When tank mixing Distinct for use on popcorn, ensure that the tank mix partner is registered for use in popcorn.
- When tank mixing Option, an MSO at the rate of 1.5 pints per acre may be used in place of a nonionic surfactant.
- Postemergence applications of Distinct are not recommended for use in tank mixes with plant growth regulating herbicides such as those products that contain dicamba, 2,4-D, or clopyralid (e.g. Banvel® herbicide, Celebrity® Plus herbicide, Clarity®

12/14

herbicide, **Marksman®**, **NorthStar®**, **Weedone® 64**, **Shotgun®** and **Hornet®** herbicides. Additionally, sequential treatments with these products should be separated by at least 15 days.

- Tank mixes with emulsifiable concentrate (EC) formulations of chloroacetamide grass herbicides (e.g. **Dual II Magnum®**, **Harness®**, **Outlook®** herbicide, or **Surpass®**) are not recommended after corn emergence.

Distinct® herbicide may be used sequentially with all soil-applied insecticides or used sequentially or in tank mixes with foliar-applied insecticides with the following limitations:

- **Distinct** is not recommended for use in foliar-applied tank mixes with **Lorsban®** or **Ambush® EC** insecticides. However, sequential treatments with these products may be used if applications are separated by at least 7 days.

Table 4. Application Rates and Timing in Field Corn and Popcorn

Application Timing	Corn Stage ¹	Rate of Distinct Per Acre
Preplant	At least 7 days before planting ²	4-8 ounces
Very Early Postemergence	Spike to 4 inches	4 ounces
Early Postemergence	4 to 10 inches	6-8 ounces ³
Mid Postemergence	10 to 24 inches	4 ounces
Late Postemergence Rescue	24 to 36 inches ⁴	4 ounces

¹Corn height is measured to the arch of the highest leaf that is more than 50% emerged.
²Allow at least 15 days before planting if using more than 6 ounces per acre.
³Use up to 8 ounces of **Distinct** per acre for enhanced perennial weed control or increased annual grass suppression.
⁴**DO NOT** make applications if corn is within 15 days of tassel emergence.

Cotton

Preplant Rates and Timing

Apply 2 ounces to 4 ounces of **Distinct** per acre to control emerged broadleaf weeds prior to planting cotton. For best performance, apply **Distinct** when weeds are in the 2-leaf to 4-leaf stage or when rosettes are less than 2 inches across.

Following an application of **Distinct** and a minimum accumulation of 1-inch rainfall or overhead irrigation, a waiting interval of 30 days is required. This interval must be observed prior to planting cotton or crop injury may occur. **DO NOT** make **Distinct** preplant applications to cotton in geographic areas with average rainfall less than 25 inches.

DO NOT apply preplant to cotton west of the Rockies.

DO NOT exceed 4 ounces per acre in a spring application prior to planting cotton.

DO NOT apply additional dicamba-containing products (e.g., **Banvel®** herbicide, **Clarity®** herbicide) in either a tank mixture or sequentially in the same spring season.

Soybean

Preplant Rates and Timing

Apply 2 ounces to 4 ounces of **Distinct** per acre to control emerged broadleaf weeds prior to planting soybeans. For best performance, apply **Distinct** when weeds are in the 2-leaf to 4-leaf stage or when rosettes are less than 2 inches across.

Following an application of **Distinct** and a minimum accumulation of 1-inch rainfall or overhead irrigation, a waiting interval of 30 days is required. This interval must be observed prior to planting soybeans or crop injury may occur. **DO NOT** make **Distinct** preplant applications to soybeans in geographic areas with average rainfall less than 25 inches.

DO NOT apply preplant to soybeans in California.

DO NOT exceed 4 ounces per acre in a spring application prior to planting soybeans.

DO NOT apply additional dicamba containing products (e.g., **Banvel**, **Clarity**) in either a tank mixture or sequentially in the same spring season.

Noncrop Uses

FALLOW, FENCE LINES AND RIGHTS-OF-WAY

Distinct may be applied to noncrop areas such as fallow areas, fence lines, utility, railroad and pipeline rights-of-way and other noncrop areas. **DO NOT** apply to areas that include desirable grass species as injury may occur. **Distinct** may be applied for the control of certain weeds in Noxious Weed Control Programs, Districts or Areas using broadcast or spot treatments.

Application Rates and Timing Noncrop

Use 4 to 6 ounces of **Distinct** per acre. The 6-ounce rate is recommended for enhanced suppression and/or control of perennial weed species. Apply to actively growing weeds.

Refer to Table 1. General Weed List, Including ALS resistant and Triazine-resistant Biotypes.

Noncrop Tank Mixes and Sequential Uses

Other registered products, such as **Paramount® herbicide**, may be tank mixed with **Distinct® herbicide**. Read and follow the applicable **Restrictions and Limitations** and **Directions For Use** on all products involved in tank mixing. The most restrictive labeling applies to tank mixes. When tank mixing with **Paramount**, always include an (MSO at the rate of 1.5 pints per acre in place of a nonionic surfactant.

Pests Listed in This Label

Common Name	Scientific Name
Alfalfa	<i>Medicago sativa</i>
Amaranth, Palmer	<i>Amaranthus palmeri</i>
, Spiny	<i>Amaranthus spinosus</i>
Barnyardgrass	<i>Echinochloa crus-galli</i>
Beggarweed, Florida	<i>Desmodium tortuosum</i>
Bindweed, Field,	<i>Convolvulus arvensis</i>
, Hedge	<i>Calystegia sepium</i>
Buckwheat, Wild	<i>Polygonum convolvulus</i>
Buffalobur	<i>Solanum rostratum</i>
Burcucumber	<i>Sicyos angulatus</i>
Carpetweed	<i>Mollugo verticillata</i>
Clover, White	<i>Trifolium repens</i>
Cocklebur, Common	<i>Xanthium strumarium</i>
Croton, Tropic	<i>Croton glandulosus</i>
Dandelion, Common	<i>Taraxacum officinale</i>
Devil's Claw	<i>Proboscidea louisianica</i>
Dock, Broadleaf	<i>Rumex obtusifolius</i>
, Curly	<i>Rumex crispus</i>
Dogbane, Hemp	<i>Apocynum cannabinum</i>
Foxtail, Giant	<i>Setaria faberi</i>
, Green	<i>Setaria viridis</i>
, Yellow	<i>Setaria glauca</i>
Horsenettle, Carolina	<i>Solanum carolinense</i>
Jimsonweed	<i>Datura stramonium</i>
Johnsongrass, Seedling	<i>Sorghum halepense</i>
Knapweed, Spotted	<i>Centaurea maculosa</i>
Knotweed, Prostrate	<i>Polygonum aviculare</i>
Kochia	<i>Kochia scoparia</i>
Ladysthumb	<i>Polygonum persicaria</i>
Lambsquarters, Common	<i>Chenopodium album</i>
Mallow, Venice	<i>Hibiscus trionum</i>
Marestail (Horseweed)	<i>Coryza canadensis</i>
Milkweed, Common	<i>Asclepias syriaca</i>
, Honeyvine	<i>Ampelamus albidus</i>
Morningglory, Entireleaf	<i>Ipomoea hederacea</i>
, Ivyleaf	<i>Ipomoea hederacea</i>
, Smallflower	<i>Ipomoea hederacea</i>
, Pitted	<i>Jacquemontia tamnifolia</i>
(Small White)	<i>Ipomoea lacunosa</i>
, Tall (Common)	<i>Ipomoea purpurea</i>

Pests Listed in This Label (continued)

Common Name	Scientific Name
Nightshade, Black	<i>Solanum nigrum</i>
, Eastern Black	<i>Solanum ptycanthum</i>
, Hairy	<i>Solanum sarrachoides</i>
, Silverleaf	<i>Solanum elaeagnifolium</i>
Panicum, Fall	<i>Panicum dichotomiflorum</i>
Pigweed, Palmer	<i>Amaranthus palmeri</i>
, Prostrate	<i>Amaranthus blitoides</i>
, Redroot Rough	<i>Amaranthus retroflexus</i>
, Smooth	<i>Amaranthus hybridus</i>
, Spiny	<i>Amaranthus spinosus</i>
, Tumble	<i>Amaranthus albus</i>
Plantain, Broadleaf	<i>Plantago major</i>
Pokeweed	<i>Phytolacca americana</i>
Potato, Volunteer	<i>Solanum tuberosum</i>
Purslane, Common	<i>Portulaca oleracea</i>
Ragweed, Common	<i>Ambrosia artemisiifolia</i>
, Giant	<i>Ambrosia trifida</i>
Sesbania, Hemp	<i>Sesbania exaltata</i>
Shattercane	<i>Sorghum bicolor</i>
Shepherdspurse	<i>Capsella bursa-pastoris</i>
Sicklepod	<i>Cassia obtusifolia</i>
Sida, Prickly (Teaweed)	<i>Sida spinosa</i>
Signalgrass, Broadleaf	<i>Brachiaria platyphylla</i>
Smartweed, Pennsylvania	<i>Polygonum pennsylvanicum</i>
, Swamp	<i>Polygonum coccineum</i>
Smellmelon	<i>Cucumis melo</i>
Sowthistle, Annual	<i>Sonchus oleraceus</i>
, Perennial	<i>Sonchus arvensis</i>
Spurge, Prostrate	<i>Euphorbia humistrata</i>
Sunflower, Volunteer	<i>Helianthus annuus</i>
, Wild (Common)	<i>Helianthus annuus</i>
Thistle, Canada	<i>Cirsium arvense</i>
, Russian	<i>Salsola iberica</i>
Velvetleaf	<i>Abutilon theophrasti</i>
Waterhemp, Common	<i>Amaranthus rudis</i>
, Tall	<i>Amaranthus tuberculatus</i>

Crops

This product can be used on the following crops:

- Field Corn**
- Popcorn**
- Cotton**
- Soybean**
- Noncrop Areas**

14/14

CONDITIONS OF SALE AND WARRANTY

The **Directions For Use** of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and must be followed carefully. However, 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 weather conditions, presence of other materials, or use of the product in a manner inconsistent with its labeling, all of which are beyond the control of BASF CORPORATION ("BASF") or the Seller. To the extent consistent with applicable law, all such risks shall be assumed by the Buyer.

BASF warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the **Directions For Use**, subject to the inherent risks, referred to above.

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807

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