



7969-150

4-24 2003

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Please read instructions on reverse before completing form.

Form approved by OMR No. 2070-0060. Approval expires 2-28-95

United States  
Environmental Protection Agency  
Washington, DC 20460☐ Registration  
☐ Amendment  
☒ Other

OPP Identifier Number

## Application for Pesticide - Section I

1. Company/Product Number BASF Corporation / 7969-150	2. EPA Product Manager Joanne Miller	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) BASF Corporation / Distinct herbicide	PMS 23	
5. Name and Address of Applicant (Include ZIP Code) BASF Corporation P.O. Box 13528 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)(ii), my product is similar or identical in composition and labeling to: <b>NOTIFICATION</b> EPA Reg. No. _____ APR 24 2003 Product Name _____	

## Section - II

<input type="checkbox"/> Amendment - Explain below.	<input checked="" type="checkbox"/> Final printed labels in response to Agency letter dated _____
<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.

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

Notification to give an alternative mixing order of the tank mix ingredients in section IV of the label

## Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
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	<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"/>	
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 Ada Breau		Title Registration Washington Manager		Telephone No. (Include Area Code) 202-414-6336	
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 Registration Washington Manager			
4. Typed Name Ada Breau		5. Date April 21, 2003			

**BASF**

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NOTIFICATION  
APR 24 2003

# Distinct®

herbicide

**For use in field corn, popcorn and non-crop areas**

**Active Ingredient:**

Sodium salt of diflufenzopyr: 2-(1-[[[3,5-difluorophenylamino] carbonyl]-  
hydrazono]ethyl)-3-pyridinecarboxylic acid, sodium salt\* ..... 21.4%  
Sodium salt of dicamba; 3,6-dichloro-*o*-anisic acid\*\* ..... 55.0%

**Inert Ingredients:** ..... 23.6%

**Total** ..... 100.0%

\*This product contains 20% 2-(1-[[[3,5-difluorophenylamino] carbonyl]-  
hydrazono]ethyl)-3-pyridinecarboxylic acid (diflufenzopyr) or 0.20 pounds acid  
equivalent per pound of product.

\*\*This product contains 50% 3,6-dichloro-*o*-anisic acid or 0.50 pounds acid  
equivalent per pound of product.

**EPA Registration Number 7969-150**

**EPA Est. Number** \_\_\_\_\_

**KEEP OUT OF REACH OF CHILDREN.**

**CAUTION**

See additional **Precautionary Statements** and **Statement of Practical Treatment**.

**Net contents: 7.5 pounds (3.4 kilograms)**

BASF Corporation  
26 Davis Drive, Research Triangle Park, NC 27709

FIRST AID	
If in eyes	<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.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
If swallowed	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
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:

- 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 nor by flood or furrow irrigation. Ensure treated areas have received at least one-half 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:

- **Plastic Containers:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, 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. Do not re-use container.

### In Case of Emergency

In case of large-scale spillage regarding this product, call:

CHEMTREC 800-424-9300  
BASF Corporation 800-832-HELP

In case of medical emergency regarding this product, call:

- Your local doctor for immediate treatment.
- Your local poison control center (hospital).
- BASF Corporation (800-832-HELP)

### I. General Information

**Distinct® herbicide** is a selective postemergence herbicide for the control of annual broadleaf weeds, control or suppression of many perennial broadleaf weeds, and suppression of annual grasses found in field corn grown for grain, seed, or silage, popcorn and non-crop areas. **Distinct** is recommended to be used sequentially or tank mixed with a grass herbicide for a complete weed control program (refer to section **V. General Tank Mixing Information**).

**Table 1. General Weed List, Including ALS<sup>1</sup> - and Triazine-Resistant Biotypes**

<b>Annual Broadleaf Weeds</b>	Pigweed, Prostrate,
Amaranth, Palmer	Redroot (Carelessweed),
Beggarweed, Florida	Rough, Smooth, Spiny,
Buckwheat, Wild	Tumble
Buffalobur	Purslane, Common
Burcucumber	Ragweed, Common, Giant
Carpetweed	(Buffaloweed)
Cocklebur, Common	Sesbania, Hemp
Croton, Tropic	Shepherdspurse
Devil's Claw	Sicklepod
Jimsonweed	Sida, Prickly (Teaweed)
Knotweed, Prostrate	Smartweed, Pennsylvania
Kochia	Smellmelon
Ladysthumb	Sowthistle, Annual,
Lambsquarters, Common	Spurge, Prostrate,
Mallow, Venice	Sunflower, Common (Wild),
Marestail (Horseweed)	Volunteer
Morningglory, Entireleaf,	Thistle, Russian
Ivyleaf, Pitted,	Velvetleaf
Smallflower, Tall	Waterhemp, Common, Tall
Nightshade, Black, Eastern	
Black, Hairy	

**Table 1. General Weed List, Including ALS<sup>1</sup> - and Triazine-Resistant Biotypes (continued)**

<b>Perennial</b>	Pokeweed
<b>Broadleaf Weeds<sup>2</sup></b>	Potato, Volunteer
Alfalfa	Smartweed, Swamp
Bindweed, Field, Hedge	Sowthistle, Perennial
Clover, White	Thistle, Canada
Dandelion, Common	<b>Annual Grasses<sup>3</sup></b>
Dock, Broadleaf, Curly	Barnyardgrass
Dogbane, Hemp	Foxtail, Giant, Green,
Horsenettle, Carolina	Yellow
Knapweed, Spotted	Johnsongrass (seedling)
Milkweed, Climbing,	Panicum, Fall
Common, Honeyvine,	Shattercane
Nightshade, Silverleaf	Signalgrass, Broadleaf
Plantain, Broadleaf,	

<sup>1</sup>ALS (acetolactate synthase) resistant weeds include those weeds resistant to the sulfonyleurea (e.g., **Spirit™** and **Exceed®**), imidazolinone (e.g., **Lightning®**), or sulfonamide (e.g., **Python™**) family of herbicides.

<sup>2</sup>Partially controlled or suppressed.

<sup>3</sup>**Distinct** provides suppression of annual grasses at appropriate rates. Emerged grasses up to 3" tall will cease growing, but may remain green for weeks after application. Regrowth of grasses is limited once corn canopies over the row middles.

### Mode of Action

**Distinct** is absorbed by leaves, roots, and shoots and translocated to the growing points of sensitive weeds to provide postemergence control of emerged weeds as well as moderate residual control of germinating weeds. **Distinct** controls weeds by auxin transport inhibition and auxin agonist modes of action.

### Crop Tolerance

Corn is generally very tolerant to application of **Distinct**. Temporary injury may occur under conditions of crop stress or rapid growth. Crop stress can be caused by drought, poor fertility, other pesticides (i.e., other herbicides) or foliar damage due to hail, wind or insects. Injury can be avoided by agronomic practices that promote good crop growth and minimize stress 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** is applied to actively growing weeds. Weeds treated with **Distinct** will typically display symptoms within several hours and be controlled in 3-7 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 3-50 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 preventative 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®** herbicide to achieve consistent weed control. The best results under most conditions will be achieved by combining a nonionic surfactant with urea ammonium nitrate.

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Refer to **Table 2. Additive Rates** for additive rates. Penetrants such as petroleum-based oils or methylated seed oils are not recommended when **Distinct® herbicide** is applied after corn emergence unless as specified for certain tankmixes. (See Crop-Specific Information and Non-Crop 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**. 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, nor fine particles that precipitate to the bottom, nor 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 half 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" 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 30 days after the last application of **Distinct**. 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, grain or stover	32 days 72 days	8 ounces	10 ounces	not permitted
Non-crop 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 herbicide** 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 – 6 ounces per acre. When planting in to a legume sod, (e.g., alfalfa or clover), apply 6 – 8 ounces of **Distinct** per acre after 4 – 6" 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" corn), use 4 ounces of **Distinct** per acre.

#### • Early Postemergence

For early postemergence applications (4-10" corn), use 6-8 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 (10-24" corn), use 4 ounces of **Distinct** per acre.

#### • Late-Postemergence (Rescue) Application with Drop Nozzles

**Distinct** may be applied to corn 24-36" 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 pre-emergence grass herbicide (e.g., **Outlook®** or **G-Max™ Lite herbicides**) 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 use in corn hybrids tolerant to glyphosate, glufosinate, and imidazolinone) 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**, a methylated seed oil (MSO) at the rate of 1.5 pints per acre may be used in place of a nonionic surfactant.

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- 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**®, **Celebrity**® Plus, **Clarity**®, **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**®, or **Surpass**®) are not recommended after corn emergence.

**Distinct** 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 <sup>1</sup>	Rate of Distinct Per Acre
Preplant	At least 7 days before planting <sup>2</sup>	4-8 ounces
Very Early Postemergence	Spike to 4"	4 ounces
Early Postemergence	4-10"	6-8 ounces <sup>3</sup>
Mid-Postemergence	10-24"	4 ounces
Late-Postemergence (Rescue)	24-36" <sup>4</sup>	4 ounces

<sup>1</sup>Corn height is measured to the arch of the highest leaf that is more than 50% emerged.

<sup>2</sup>Allow at least 15 days before planting if using more than 6 ounces per acre.

<sup>3</sup>Use up to 8 ounces of **Distinct** per acre for enhanced perennial weed control or increased annual grass suppression.

<sup>4</sup>Do not make applications if corn is within 15 days of tassel emergence.

### Non-Crop Uses

#### FALLOW, FENCE LINES AND RIGHTS-OF-WAY:

**Distinct** may be applied to non-crop areas such as fallow areas, fence lines, utility, railroad and pipeline rights-of-way and other non-crop 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: Non-Crop

Use 4-6 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 and Triazine-Resistant Biotypes.

#### Non-Crop Tank Mixes and Sequential Uses

Other registered products such as **Paramount**® herbicide may be tank mixed with **Distinct**. 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 a methylated seed oil (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 illinoense</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>Conyza canadensis</i>



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## Pests listed in this label: (continued)

Common Name	Scientific Name
Milkweed, Climbing	<i>Sarcostemma cyanachoides</i>
, Common	<i>Asclepias syriaca</i>
, Honeyvine	<i>Ampelamus albidus</i>
Morningglory, Entireleaf	<i>Ipomoea hederacea</i>
	var. <i>integriuscula</i>
, Ivyleaf	<i>Ipomoea hederacea</i>
	var. <i>hederacea</i>
, Smallflower	<i>Jacquemontia tamnifolia</i>
, Pitted	<i>Ipomoea lacunosa</i>
(Small White)	
, Tall	<i>Ipomoea purpurea</i>
(Common)	
Nightshade, Black	<i>Solanum nigrum</i>
, Eastern Black	<i>Solanum ptycanthum</i>
, Hairy	<i>Solanum sarachoides</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**  
**Non-Crop Areas**

Look inside for complete **Restrictions and Limitations** and **Application Instructions**.

## 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 should be followed carefully. However, it is impossible to eliminate all risks inherently associated with 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. 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. BASF MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY. IN NO CASE SHALL BASF OR THE SELLER BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. BASF and the Seller offer this product, and the Buyer and User accept it, subject to the foregoing **Conditions of Sale and Warranty** which may be varied only by agreement in writing signed by a duly authorized representative of BASF.

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April 21, 2003

U.S. Environmental Protection Agency  
Ms. Joanne Miller (Team #23)  
Registration Division (7505C)  
Document Processing Desk  
Office of Pesticide Programs  
Ariel Rios Building  
1200 Pennsylvania Avenue, N.W.  
Washington, DC 20460-0001

**RE: Notification for Distinct herbicide: 7969-150**

Dear Ms. Miller:

BASF is submitting a 8570-1 notification form and label with the proposed alternate mixing order language in Section IV of the Distinct herbicide label. We appreciate your approval of this language that will allow users to more efficiently prepare their tank mix applications.

If you have any questions about this request please call me at 202-414-6336.

Sincerely,



Ada Breaux  
Registration Washington Manager