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(See Pgs. 2, 3, 4 & 6)*

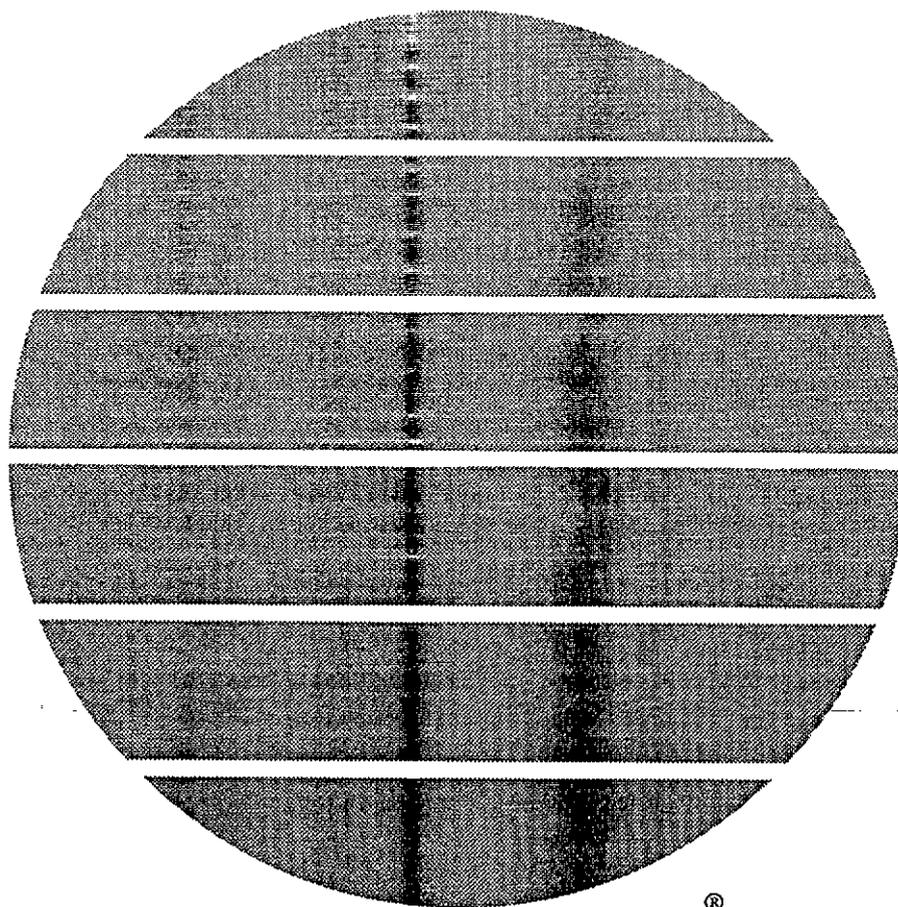
# Basis<sup>®</sup> Gold<sup>™</sup>

herbicide

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NOTIFICATION

301 2 1985



*“..... A Growing Partnership With Nature”*

### BASIS GOLD HIGHLIGHTS

- BASIS GOLD provides selective postemergence grass and broadleaf weed control in field corn.
- Apply at a rate of 14 oz per acre. (If packaged in 17.5 lb bags, each bag will treat 20 acres. If packaged in 35 lb bags, each bag will treat 40 acres. When packaged in water-soluble packets, each packet treats 4 acres. There are five water-soluble packets per barrier bag. Each barrier bag contains product to treat 20 acres.)
- Include an adjuvant as recommended in this label. The use of nitrogen fertilizer is recommended in addition to the use of a crop oil concentrate. See Spray Additives.
- BASIS GOLD may be applied by ground (broadcast or band) or by air.
- For ground application, apply in a minimum of 15 gal of water at 20-40 PSI using flat fan nozzles for best results. For aerial application, use nozzle types and arrangements that provide optimum spray distribution and maximum coverage at a minimum of 5 GPA.
- Apply to actively growing grass and broadleaf weeds at the recommended sizes. See Rate.
- Applications to grass and broadleaf weeds or corn under stress may affect the performance of BASIS GOLD or in some cases reduce crop tolerance. See Environmental Conditions.
- Consult label text for complete instructions. Always read and follow label directions for use.

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# RESTRICTED USE PESTICIDE

For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.

This product is a restricted use herbicide due to ground and surface water concerns. Users must read and follow all precautionary statements and instructions for use in order to minimize potential for atrazine to reach ground and surface water.



## Basis<sup>®</sup> Gold<sup>™</sup>

### herbicide

*For use in Field Corn*

| <u>Active Ingredients</u>   | <u>Percent<br/>By Weight</u> |
|---|------------------------------|
| Nicosulfuron  |                              |
| 2-((( (4,6-Dimethoxypyrimidin-2-yl) aminocarbonyl)aminosulfonyl))-N, N-dimethyl-3-pyridinecarboxamide | 1.34%                        |
| Rimsulfuron   |                              |
| N(( 4,6 - dimethoxypyrimidin - 2- yl) aminocarbonyl) -3-(ethysulfonyl) -2-pyridinesulfonamide         | 1.34%                        |
| Atrazine  |                              |
| 2-chloro-4-(ethylamino)-6-(isopropyl amino)-s-triazine  | 82.44%                       |
| Related compounds   | 4.34%                        |
| <u>Inert Ingredients</u>  | <u>10.54%</u>                |
| <b>TOTAL</b>  | <b>100.00%</b>               |

EPA Reg. No. 352-585

U.S. Patent Nos. 4,789,393 & 5,102,444

### KEEP OUT OF REACH OF CHILDREN

### CAUTION

#### PRECAUTIONARY STATEMENTS

#### HAZARD TO HUMANS AND DOMESTIC ANIMALS

Caution! Harmful if swallowed, inhaled or absorbed through skin. Do not breathe dust or spray mist. Avoid contact with eyes, skin or clothing.

#### STATEMENT OF PRACTICAL TREATMENT

**If swallowed,** call a physician or Poison Control Center immediately. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger, or, if available, by administering syrup of ipecac. Do not induce vomiting or give anything by mouth to an unconscious person.

**If inhaled,** remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

**If on skin,** wash with plenty of soap and water. Get medical attention.

**If in eyes,** flush eyes with plenty of water. Call a physician if irritation persists.

**Note to physician:** There is no specific antidote for atrazine. If this product is ingested, induce emesis or lavage stomach. The use of an aqueous slurry of activated charcoal may be considered.

**For medical emergencies involving this product, call 1-800-441-3637.**

#### PRECAUTIONARY STATEMENTS

(continued on next page)

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## PRECAUTIONARY STATEMENTS

(continued)

### PERSONAL PROTECTIVE EQUIPMENT

*Applicators and other handlers (other than mixers and loaders) must wear:*

- Long-sleeved shirt and long pants
- Waterproof gloves
- Chemical-resistant footwear plus socks

*Mixers and loaders must wear:*

- Long-sleeved shirt and long pants
- Waterproof gloves
- Chemical-resistant footwear plus socks
- Protective eyewear

Follow 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.

### ENGINEERING CONTROL STATEMENT

When handlers use closed systems, enclosed cabs or aircraft in a manner that meets the requirements listed in the Worker Protection Standards (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

### USER SAFETY RECOMMENDATIONS

**Users should:** Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

### ENVIRONMENTAL HAZARDS

Atrazine, one of the active ingredients of BASIS GOLD, is a pesticide that can move (seep or travel) through soil and can contaminate groundwater that may be used as drinking water. Atrazine has been found in groundwater as a result of agricultural use. Users are advised not to apply BASIS GOLD where the water table (groundwater) is close to the surface and where the soils are very permeable (i.e. well drained soils such as loamy sands). Local agricultural agencies can provide further information on the type of soil in your area and the location of groundwater.

Atrazine is toxic to aquatic invertebrates. 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 apply when weather conditions favor drift from treated areas. Runoff and drift from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water by cleaning of equipment or disposal of wastes.

## DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. This labeling must be in possession of the user at the time of pesticide application.

Do not apply this product in a way that contacts 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.
- Waterproof gloves.
- Chemical resistant footwear plus socks.

BASIS GOLD should be used only in accordance with recommendations on this label or in supplemental DuPont publications. DuPont will not be responsible for losses or damage resulting from use of this product in any manner not specifically recommended by DuPont.

### GENERAL INFORMATION

DuPont BASIS GOLD Herbicide is a water-dispersible granule containing 89.46% active ingredient by weight.

BASIS GOLD is a selective herbicide for control of certain grasses and broadleaf weeds when applied postemergence to field corn. Make only one BASIS GOLD application per season.

*For all application systems, use 50-mesh or larger strainer screens.*

*Deleted advisory statement*

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**WHEN TO APPLY**

**TIMING TO CROP STAGE**

BASIS GOLD can be applied to corn up to 12 inches tall. Do not apply to corn taller than 12 inches or exhibiting 6 collars, whichever is the more restrictive.

Apply BASIS GOLD to field corn hybrids with a Relative Maturity (RM) rating of 88 days or more. Not all waxy, Hi-Lysine, or food grade corn, nor field corn hybrids of less than 88 day RM have been tested, nor does DuPont have access to all seed company data. Consequently, injury arising from the use of BASIS GOLD on these types of corn is the responsibility of the user. Consult with your seed supplier before applying BASIS GOLD to any of these corn types.

Do not apply to field corn grown for seed, to popcorn or to sweet corn.

**TIMING TO WEEDS**

Apply BASIS GOLD when grass and broadleaf weeds are young and actively growing, but before they exceed the sizes listed on this label.

- Applications to weeds at growth stages greater than those listed below may result in incomplete control.
- Adequate soil moisture is required for residual activity. Rainfall or sprinkler irrigation within 5-7 days after application will enhance BASIS GOLD residual activity. If an activating rainfall or sprinkler irrigation (>0.5 inch) is not received within 5-7 days after application, follow with a cultivation or with a sequential application of DuPont Accent® Herbicide, if needed. See Cultivation or Sequential Accent Applications.

**RATE**

- Apply BASIS GOLD at 14 oz per acre for control of grasses and weeds listed below.
- When packaged in water-soluble packets, apply BASIS GOLD at a rate of one water soluble packet per 4 acres for control of the grass and broadleaf weeds listed below. One packet contains 3.5 lb product. Each barrier bag contains 5 water-soluble packets which will treat 20 acres.

| Acres Treated | BASIS GOLD<br>Packets Required |
|---------------|--------------------------------|
| 4             | 1                              |
| 8             | 2                              |
| 16            | 4                              |
| 24            | 6                              |
| 32            | 8                              |
| 40            | 10                             |

- When packaged in bags instead of water soluble packets, each 17.5 lb bag will treat 20 acres and each 35 lb bag will treat 40 acres.
- Do not use less than 14 ounces of BASIS GOLD per acre.

| Grasses                 | Maximum Weed<br>Height at Application |
|-------------------------|---------------------------------------|
| Foxtails                |                                       |
| Bristly                 | 3"                                    |
| Giant                   | 3"                                    |
| Green                   | 3"                                    |
| Yellow                  | 2"                                    |
| Barnyardgrass           | 3"                                    |
| Crabgrass, Large        | 1"                                    |
| Panicum, Fall           | 3"                                    |
| Shattercane*            | 6"                                    |
| Johnsongrass, seedling* | 8"                                    |
| Quackgrass*             | 4"                                    |
| Signalgrass, broadleaf  | 2"                                    |
| Wild oats               | 2"                                    |
| Volunteer cereals       | 2"                                    |
| Millet, Wild Proso *    | 2"                                    |
| Cupgrass, woolly *      | 1"                                    |
| Sandbur, Field          | 2"                                    |
| Italian ryegrass        | 4"                                    |
| Texas panicum           | 4"                                    |

\* Controls emerged plants only. Subsequent flushes may require sequential application of ACCENT Herbicide.

**Broadleaves**

|   |               |
|---|---------------|
| Velvetleaf                                | 3"            |
| Cocklebur, common                         | 3"            |
| Lambsquarters (except triazine resistant) | 3"            |
| Pigweeds (including triazine resistant)   | 4"            |
| Ragweeds                                  |               |
| Common                                    | 3"            |
| Giant                                     | 3"            |
| Nightshade, Eastern black                 | 2"            |
| Smartweed, PA                             | 4"            |
| Jimsonweed                                | 4"            |
| Morningglories                            | 3" (diameter) |
| Sunflower                                 | 6"            |
| Waterhemp (except triazine resistant)     | 4"            |

**Partial Control**

|                   |    |
|-------------------|----|
| Yellow nutsedge** | 2" |
| Canada thistle**  | 4" |
| Common milkweed** | 4" |
| Hemp dogbane      | 4" |
| Pokeweed          | 4" |

\*\* Above-ground portions only.

Deletion of Post added (except triazine resistant)

### SPRAY ADJUVANTS

Applications of BASIS GOLD must include crop oil concentrate. In addition, an ammonium nitrogen fertilizer is recommended. More information on adjuvant selection may be found in the bulletin "Approved Adjuvants for Use With DuPont Row Crop and Cereal Herbicides."

#### Crop Oil Concentrate (COC)

- Apply at rate (concentration) of 1% v/v (1 gal per 100 gal spray solution).
- Under arid conditions such as those found in the High Plains, apply at rate (concentration) of 2% v/v (2 gal/100 gal spray solution).
- The crop oil concentrate must be high quality, petroleum or vegetable seed oil-based product (methylated seed oil is considered a vegetable seed-based oil). Petroleum based oils must contain at least 14% emulsifiers/ surfactants.

#### Ammonium Nitrogen Fertilizer

An ammonium nitrogen fertilizer is recommended in addition to the crop oil concentrate.

- Use a high-quality liquid nitrogen fertilizer such as 28-0-0 at a rate of 2 qt per acre or 10-34-0 at 1 qt per acre.
- A high-quality spray-grade ammonium sulfate (21-0-0) may be applied at a rate of 2 lb per acre in place of the liquid nitrogen fertilizer.
- Under arid conditions such as those found in the High Plains, use 28-0-0 at 4 qt per acre, 10-34-0 at 2 qt per acre or spray-grade ammonium sulfate (21-0-0) at 4 lb per acre.
- Do not use liquid nitrogen fertilizers without a crop oil concentrate.
- Liquid nitrogen fertilizers should not be used as the total carrier solution.

### MIXING INSTRUCTIONS

For all application systems, use 50-mesh or larger strainer screens.

1. Fill the tank 1/4 to 1/3 full of water.
2. While agitating, add the required amount of BASIS GOLD.
3. Continue agitation until the BASIS GOLD is fully dispersed, at least 5 minutes.
4. Once the BASIS GOLD is fully dispersed, maintain agitation and continue filling tank with water. BASIS GOLD should be thoroughly mixed with water before adding any other material.
5. As the tank is filling, add the required spray adjuvants (crop oil concentrate, liquid nitrogen fertilizer, or ammonium sulfate).
6. If the mixture is not continuously agitated, settling will occur. If settling occurs, thoroughly re-agitate before using.
7. Apply BASIS GOLD spray mixture within 24 hours of mixing to avoid product degradation.
8. If BASIS GOLD is applied in multiple loads, consider pre-slurrying the BASIS GOLD in clean water prior to adding to the next load. This prevents the crop oil concentrate from interfering with dissolution of BASIS GOLD.

### Additional Use and Handling Information for BASIS GOLD When Packaged in Water Soluble Packets

Five Soluble Packets are contained in a waterproof, resealable bag. The individual Soluble Packets will dissolve completely in water. Open the outer resealable bag and remove the required number of Soluble Packets and follow the mixing instructions above.

- To apply the correct rate per acre, use one 3.5 lb Soluble Packet for every 4 treated acres.

#### Precautions

- The outer resealable bag is NOT soluble in water. DO NOT place it in the spray tank.
- Exposure to moisture or excessive handling of the Soluble Packets will cause them to break.
- Do not touch the packets with wet hands or place them on wet surfaces.
- Protect unused Soluble Packets by resealing them in the resealable bag.

### TANK MIX APPLICATIONS

#### For Additional Control of Broadleaf Weeds

BASIS GOLD may be tank mixed with the herbicides listed below for control of broadleaf weeds taller than listed in the table in the RATE section or for broadleaf weeds not listed in the RATE section. See the tank mix partner label for weeds controlled, weed sizes and application conditions.

Crop oil concentrate must be used in all tank mixes. See SPRAY ADJUVANTS for adjuvant rate recommendations.

|                               | Rate/A | Adjuvant |
|-------------------------------|--------|----------|
| Clarity <sup>2</sup>          | 1/4 pt | COC      |
| Banvel <sup>1</sup>           | 1/4 pt | COC      |
| Broadstrike Plus <sup>1</sup> | 1.6 oz | COC      |
| Tough <sup>2</sup>            | 1 pt   | COC      |

#### Additional Information

- A corn plant's predisposition to develop fused tissue emerging from the whorl (rattail) after the V-11 stage may increase when a product containing dicamba (Banvel, Clarity, Marksman) is applied to small corn under early stressful conditions. Be aware of this when applying tank mixes with dicamba to small corn (V-3 stage or smaller) under stressful conditions. See ENVIRONMENTAL CONDITIONS for a description of these stressful conditions

BASIS GOLD should not be tank mixed with DuPont Bladex<sup>®</sup> Herbicide, Basagran and Laddok or severe crop injury may occur

BASIS GOLD should not be tank mixed with 2,4-D-containing products as severe grass control antagonism may occur.

BASIS GOLD should not be tank mixed with foliar-applied organophosphate insecticides such as Lorsban<sup>1</sup>, malathion, parathion, etc., as severe crop injur may occur.

Added Advisory Statement

To avoid crop injury or antagonism, apply these products at least seven days before or 3 days after the application of BASIS GOLD.

BASIS GOLD may also be tank mixed with DuPont Asana® XL or DuPont Lannate® Insecticides.

### APPLICATION INFORMATION

Many crops are highly sensitive to BASIS GOLD. All direct or indirect contact (such as spray drift) with crops other than field corn should be avoided. See Spray Drift section.

#### GROUND APPLICATION

Ensure that spray equipment is set up to avoid applying an excessive rate directly over the rows and into the corn plant whorl. Overlaps or starting, stopping, slowing and turning while spraying may result in crop injury.

##### Broadcast Application

- Use a minimum of 15 gal. of water per acre (15 GPA) for best performance.
- Use flat fan or Spraying Systems Turbo Floodjet nozzles at 20-40 PSI.
- Increase both spray volume and pressure as weed density and size increase.
- Do not use flood, hollow cone, rain drop, whirl chamber, controlled droplet applicator (CDA) nozzles or air assisted sprayers. Unacceptable crop injury, excessive spray drift, or poor weed control may result.
- For proper spray coverage, adjust the boom and nozzle height according to manufacturers' specifications.

##### Band Application

- For band applications, use proportionately less spray mixture.
- To avoid crop injury, carefully calibrate the band applicator to not exceed the labeled rate.
- Carefully follow the manufacturer's instructions for nozzle type (flat fans), orientation, distance of nozzles from the crop and weeds, spray volumes, calibration and spray pressure.

#### AERIAL APPLICATION

- Use nozzle types and arrangements that will provide optimum spray distribution and maximum coverage at a minimum of 5 GPA.
- Do not apply during a temperature inversion, when winds are gusty, or when conditions favor poor coverage and/or off-target spray movement.

#### CHEMIGATION

BASIS GOLD should not be applied through any type of irrigation system.

## ENVIRONMENTAL CONDITIONS AND BIOLOGICAL ACTIVITY

BASIS GOLD is rainfast in four hours.

BASIS GOLD rapidly inhibits the growth of susceptible weeds, reducing weed competition within as little as 6 hours after application. Susceptible plants are controlled in 7-21 days.

The degree and duration of control depend on spray coverage, activating rainfall, weed spectrum, weed size, growing conditions before and after treatment, soil moisture, and adjuvant selection.

Adequate soil moisture is required for optimum activity. Rainfall or sprinkler irrigation within 5 to 7 days will enhance BASIS GOLD residual activity. A timely cultivation may be required for maximum weed control without an activating rain.

Treating weeds that exceed maximum label height or that are under stress may result in incomplete control.

- Poor weed control or crop injury may result from applications made to plants under stress from:
  - abnormally hot or cold weather
  - environmental conditions such as drought, water-saturated soils, hail damage, or frost
  - disease, insect, or nematode injury
  - prior herbicide, or carry-over from a previous year's herbicide application

If the corn or weeds are under stress, delay application until stress passes and both weeds and corn resume active growth. If weeds or corn are beyond the maximum size listed on this label, an application of Accent Herbicide should be made. See the Accent label for tank mix partner information.

Applications should be made when minimum nighttime temperatures are above 40°F and the maximum daytime temperatures are below 92°F to maximize performance and minimize the potential for crop injury.

Applications made during or immediately following periods of large day/night temperature fluctuations or where daytime temperatures do not exceed 50°F may decrease weed control and increase the potential for crop injury.

DuPont will not be responsible for losses or damages resulting from such use.

### SOIL INSECTICIDE INTERACTION INFORMATION

Before using BASIS GOLD, ensure that it is compatible with any other insecticides previously applied to the corn crop.

#### Conventional Field Corn and "IT" Hybrids

| Soil Insecticides         | Application Method          | Soil O.M. | BASIS GOLD Use Precautions      |
|---------------------------|-----------------------------|-----------|---------------------------------|
| Counter 15G <sup>1</sup>  | All                         | All       | Do not use.                     |
| Counter 20CR <sup>1</sup> | In furrow at planting       | All       | Do not use.                     |
|                           | Over the row at cultivation | All       | Do not use.                     |
|                           | T-band or Surface band      | ≤4%       | May cause unacceptable injury.  |
|                           | T-band or Surface band      | >4%       | May result in temporary injury. |
| Dyfonate <sup>4</sup>     | All labeled methods         | All       | May result in temporary injury. |
| Lorsban <sup>1</sup>      | All labeled methods         | All       | May result in temporary injury. |
| Thimet <sup>1</sup>       | All labeled methods         | All       | May result in temporary injury. |
| Fortress <sup>4</sup>     | All                         | All       | No use precautions.             |
| Force <sup>4</sup>        | All                         | All       | No use precautions              |
| Aztec <sup>4</sup>        | All                         | All       | No use precautions              |

Deleted Redundant statement

#### Herbicide-Resistant Field Corn

\* BASIS GOLD may be used on fields treated with Counter 15G or Counter 20CR (applied in-furrow, T- or surface-banded) if the field has been planted with an imidazolinone-resistant ("IR") hybrid such as Pioneer 3377-IR, Pioneer 3180IR, etc.

\* For BASIS GOLD applied to imazethapyr-tolerant ("IT") field corn hybrids, follow directions above for Conventional and "IT" Field Corn.

### SEQUENTIAL "ACCENT" APPLICATIONS

An application of DuPont ACCENT Herbicide may be made 14 or more days after BASIS GOLD applications to control grasses that may emerge in the absence of an activating rainfall. Refer to the ACCENT label for grass species controlled, proper size of weeds, rates, corn sizes, and other information. When following a BASIS GOLD application, do not use more than 1 oz Accent per acre.

### CULTIVATION

A timely cultivation may be used to control suppressed weeds, or weeds that emerge after an application of BASIS GOLD in the absence of an activating rainfall.

- Optimum timing for cultivation is 7-14 days after BASIS GOLD application or upon seeing the establishment of new weeds.

### SPRAYER PREPARATION/CLEANUP

It is important that spray equipment is clean and free of previous pesticide deposits before using BASIS GOLD and then properly cleaned out following application. Clean all application equipment before applying BASIS GOLD. Follow the cleanup procedures specified on the label of the product previously sprayed. If no cleanup procedure is provided, use the procedure that follows. Immediately following applications of BASIS GOLD, thoroughly clean all mixing and spray equipment to avoid subsequent crop injury.

#### Note:

- When cleaning spray equipment before applying BASIS GOLD, read and follow label directions for proper rinsate disposal of the product previously sprayed.
- A steam cleaning of aerial spray tanks is recommended to dislodge any visible pesticide deposits.
- When spraying or mixing equipment will be used over an extended period to apply multiple loads of BASIS GOLD, partially fill the tank with fresh water at the end of each day of spraying, flush the boom and hoses, and allow to sit overnight.

#### Cleanup Procedure

1. Drain the tank and thoroughly hose down the interior surfaces. Flush the tank, hoses, and boom with clean water for a minimum of 5 min.
2. Partially fill the tank with clean water and add one gal of household ammonia\* (containing 3% active) for every 100 gal of water. Finish filling the tank with water, then flush the cleaning solution through the hoses, boom, and nozzles. Add more water to completely fill the tank and allow to agitate/recirculate for at least 15 min. Again, flush the hoses, boom, and nozzles with the cleaning solution, then drain the tank.
3. Repeat Step 2.
4. Remove the nozzles and screens and clean separately in a bucket containing the cleaning agent and water.
5. Thoroughly rinse the tank with clean water for a minimum of 5 min, flushing the water through the hoses and boom.

\*Equivalent amounts of an alternate strength ammonia solution or a tank cleaner recommended in the DuPont bulletin "Sulfonylurea Herbicides, A Guide to Equipment Cleanout," may be used.

### CROP ROTATION

Rotational crops vary in their response to low concentrations of BASIS GOLD remaining in the soil. BASIS GOLD rapidly dissipates in warm, acidic, microbiologically active soils.

The amount of BASIS GOLD which may be present in the soil depends on soil pH and organic matter content, elapsed time since application, crop production practices, and environmental factors.

BASIS GOLD contains atrazine. Due to the atrazine content, injury to rotational crops may occur in high-pH, cold soils if dry weather prevails between application and rotational crop planting. Consult your local DuPont representative for additional guidelines.

The following rotational intervals should be observed when using BASIS GOLD:

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| Crop   | Interval in Months |
|--|--------------------|
| Field Corn                                       | Anytime            |
| Seed, Sweet corn, Popcorn<br>and Speciality corn | 10                 |
| Cereals (fall-seeded only)                       | 10                 |
| Grain Sorghum                                    | 10                 |
| Soybeans   | 10                 |
| All Other Crops                                  | 18                 |

- If BASIS GOLD is applied after July 1, do not rotate with crops other than corn or sorghum the next year or injury may occur
- In the high plains and intermountain areas of the West where rainfall is sparse and erratic or where irrigation is required, use BASIS GOLD only when corn is to be planted the following year, or when a crop of corn not treated with this product or atrazine is to precede other rotational crops.
- For tank mixes, follow the most restrictive provisions of the tankmix components.

**BEST MANAGEMENT PRACTICES FOR GROUND AND SURFACE WATER PROTECTION**

**APPLICATION REQUIREMENTS**

- Do not mix, load, or apply BASIS GOLD within 50 ft of all wells, including abandoned wells, drainage wells, and sinkholes.
- Do not apply aerially or by ground within 66 ft of the points where field surface water runoff enters perennial or intermittent streams and rivers or within 200 ft of natural or impounded lakes and reservoirs.
- If this product is applied to highly erodible land, the 66 ft buffer or setback from runoff points must be planted to crop or seeded with grass.

Atrazine is toxic to aquatic invertebrates. Do not apply directly to water or wetlands. Do not apply when weather conditions favor drift from treated areas. Runoff and drift from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water by cleaning of equipment or disposal of wastes.

When there are state/local requirements regarding atrazine use (including lower maximum rates and/or greater setbacks) which are different from the label, the more restrictive/protective requirements must be followed. Certain states may have established rate limitations within specific geographical areas. Consult your state pesticide control agency for additional information. It is a violation of this label to deviate from state use regulations.

**MIXING/LOADING REQUIREMENTS**

Do not mix or load BASIS GOLD within 50 ft of intermittent streams and rivers, natural or impounded lakes, and reservoirs.

Operations that involve mixing, loading, rinsing, or washing of this product into or from pesticide handling or application equipment or containers within 50 ft of any well are prohibited unless conducted on an impervious pad constructed to withstand the weight of the heaviest load that may be positioned on or moved across the pad. Such a pad shall be designed and maintained to contain any product spills or equipment leaks, container or equipment rinse or wash-water, and rainwater that may fall on the pad. Surface water shall not be allowed to either flow over or from the pad; the pad must be self-contained. The pad shall be sloped to facilitate material removal. An unroofed pad shall be of sufficient capacity to contain at least 110% of the capacity of the largest pesticide container or application equipment on the pad. A pad that is covered by a roof of sufficient size to completely exclude precipitation from contact with the pad shall have a minimum containment capacity of 100% of the capacity of the largest pesticide container or application equipment on the pad. Containment capacities as described above shall be maintained at all times. The above-specified minimum containment capacities do not apply to vehicles when delivering pesticide shipments to the mixing/loading site.

States may have in effect additional requirements regarding well-head setbacks and operational area containment.

This product may not be mixed or loaded within 50 ft. of intermittent streams and rivers, natural or impounded lakes and reservoirs. This product may not be applied aerially or by ground within 66 ft. of the points where field surface water runoff enters perennial or intermittent streams and rivers or within 200 ft around natural or impounded lakes and reservoirs. If this product is applied to highly erodible land, the 66 ft. buffer or setback from the runoff entry points must be planted to crop, seeded with grass, or other suitable crop.

**SPRAY DRIFT MANAGEMENT**

The interaction of many equipment and weather-related factors determines the potential for spray drift. The applicator is responsible for considering all these factors when making application decisions.

**AVOIDING SPRAY DRIFT IS THE RESPONSIBILITY OF THE APPLICATOR.**

**IMPORTANCE OF DROPLET SIZE**

The most effective way to reduce drift potential is to apply large droplets (>150 - 200 microns). The best drift management strategy is to apply the largest droplets that provide sufficient coverage and control. The presence of sensitive species nearby, the environmental conditions, and pest pressure may affect how an applicator balances drift control and coverage. **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 sections of this label.

### **Controlling Droplet Size - General Techniques**

- **Volume** - Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets.
- **Pressure** - Use the lower spray pressures recommended for the nozzle. Higher pressure reduces droplet size and does not improve canopy penetration. **WHEN HIGHER FLOW RATES ARE NEEDED, USE A HIGHER-CAPACITY NOZZLE INSTEAD OF INCREASING PRESSURE.**
- **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.

### **Controlling Droplet Size - Aircraft**

- **Number of Nozzles** - Use the minimum number of nozzles with the highest flow rate that provide uniform coverage.
- **Nozzle Orientation** - Orienting nozzles so that the spray is emitted backwards, parallel to the airstream will produce larger droplets than other orientations.
- **Nozzle Type** - Solid stream nozzles (such as disc and core with swirl plate removed) oriented straight back produce larger droplets than other nozzle types.
- **Boom Length** - The boom length should not exceed 3/4 of the wing or rotor length - longer booms increase drift potential.
- **Application Height** - Application more than 10 ft above the canopy increases the potential for spray drift.

### **BOOM HEIGHT**

Setting the boom at the lowest labeled height (if specified) which provides uniform coverage reduces the exposure of droplets to evaporation and wind. For ground equipment, the boom should remain level with the crop and have minimal bounce.

### **WIND**

Drift potential increases at wind speeds of less than 3 mph (due to inversion potential) or more than 10 mph. However, many factors, including droplet size and equipment type determine drift potential at any given wind speed. **AVOID GUSTY OR WINDLESS CONDITIONS.**

**Note:** Local terrain can influence wind patterns. Every applicator should be familiar with local wind patterns and how they affect spray drift.

### **TEMPERATURE AND HUMIDITY**

When making applications in hot and dry conditions, set up equipment to produce larger droplets to reduce effects of evaporation.

### **TEMPERATURE INVERSIONS**

Drift potential is high during a temperature inversion. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain close to the ground and move laterally in a concentrated cloud. Temperature inversions are characterized by increasing temperature 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.

### **SHIELDED SPRAYERS**

Shielding the boom or individual nozzles can reduce the effects of wind. However, it is the responsibility of the applicator to verify that the shields are preventing drift and not interfering with uniform deposition of the product.

### **RESISTANCE**

When herbicides with the same mode of action are used repeatedly over several years to control the same weed species in the same field, naturally-occurring resistant weed biotypes may survive a correctly applied herbicide treatment, propagate, and become dominant in that field. These resistant weed biotypes may not be adequately controlled. Cultural practices such as tillage, preventing weed escapes from going to seed, and using herbicides with different modes of action within and between crop seasons can aid in delaying the proliferation and possible dominance of herbicide resistant weed biotypes.

**BASIS GOLD** is a mixture of herbicides with two different modes of action.

### **INTEGRATED PEST MANAGEMENT**

DuPont recommends the use of Integrated Pest Management (IPM) programs to control pests. This product may be used as part of an Integrated Pest Management (IPM) program which can include biological, cultural, and genetic practices aimed at preventing economic pest damage. Application of this product should be based on IPM principles and practices including field scouting or other detection methods, correct target pest identification, population monitoring, and treating when target pest populations reach locally determined action thresholds. Consult your state cooperative extension service, professional consultants or other qualified authorities to determine appropriate action treatment threshold levels for treating specific pest/crop systems in your area.

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## IMPORTANT PRECAUTIONS

- Injury to or loss of desirable trees or vegetation may result from failure to observe the following:
- Do not apply BASIS GOLD or drain or flush application equipment on or near desirable trees or other plants, or on areas where their roots may extend, or in locations where the chemical may be washed or moved into contact with their roots.
- Do not use on lawns, walks, driveways, tennis courts, or similar areas.
- Prevent drift of spray to desirable plants.
- Do not contaminate any body of water.
- Thoroughly clean application equipment immediately after use. (See the Sprayer Cleanup section of this label for instructions.)
- Do not graze or feed forage, hay, or straw from treated areas to livestock within 30 days of BASIS GOLD application.
- Do not apply more than 14 oz per acre per season.

## STORAGE AND DISPOSAL

**Storage:** Store the product in the original container only. Do not contaminate water, other pesticides, fertilizer, food, or feed in storage. Avoid contact with water. In case of a spill, dispose of wastes in compliance with local, state and federal regulations.

**Product Disposal:** Pesticide, spray mixture, or rinsate that cannot be used according to label instructions must be disposed of according to applicable Federal, state, or local procedures.

**Container Disposal:** Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

**Container Disposal (Water soluble packaging):** Do not reuse the outer box or the resealable bags. When all water-soluble packets are used, the outer packaging should be clean and may be disposed of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by open burning. If it is burned, stay out of the smoke. If the resealable bag contacts the formulated product in any way, the bag must be triple-rinsed with clean water. Add the rinsate to the spray tank and dispose of the outer wrap as described above.

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SL-508-1 9106 9/19/96