

PM 352-568  
US ENVIRONMENTAL PROTECTION AGENCY  
OFFICE OF PESTICIDES PROGRAMS  
REGISTRATION DIVISION (75-767)  
WASHINGTON, DC 20460

EPA REGISTRATION NO.  
352-568

DATE OF ISSUANCE

9/29/93

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TERM OF ISSUANCE

NOTICE OF PESTICIDE:  REGISTRATION  
 REREISTRATION

(Under the Federal Insecticide, Fungicide,  
and Rodenticide Act, as amended)

NAME OF PESTICIDE PRODUCT

Du Pont Pinnacle/Classic  
Bag-In-Bag Herbicide

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Mr. J. H. Cain  
E. I. DuPont de Nemours & Company, Inc.  
Agricultural Products  
Walkers Mill, Barley Mill Plaza  
P. O. Box 80038  
Wilmington, DE 19880-0038

**NOTE:** Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others. This product is conditionally registered in accordance with FIFRA sec.

3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) and sec. 4 when the Agency requires all registrants of similar products to submit such data.

2. Add the phrase, "EPA Registration No. 352-568" to your label before you release the product for shipment.

3. Submit five (5) copies of your final printed labeling before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

DATE

9/29/93



# Pinnacle®/Classic®

bag-in-bag herbicide



..... A Growing Partnership With Nature™

### PINNACLE®/CLASSIC® HIGHLIGHTS

- PINNACLE/CLASSIC provides selective postemergence weed control in soybean varieties designated as "STS" in the variety name.
- PINNACLE/CLASSIC is applied at the rate of one 1.7 ounce Soluble Pack per 2 acres or one 3.4 ounce Soluble Pack per 4 acres . See Rate.
- PINNACLE/CLASSIC may be tank mixed with ASSURE II, or other products for increased weed control.
- Include a crop oil concentrate and ammonium-based nitrogen fertilizer.
- PINNACLE/CLASSIC may be applied by ground (broadcast or band) or by air.
- For ground application, apply in a minimum of 10 gal water per acre using flat fan nozzles (25-60 psi) See Application Equipment.
- Apply to actively growing weeds at the recommended sizes. See Rate.
- Certain crop rotations apply. See Rotational Crop Guidelines
- Consult label text for complete instructions. Always read and follow label directions for use.
- One 1.7 ounce Soluble Pack treats 2 acres
- One 3.4 ounce Soluble Pack treats 4 acres.

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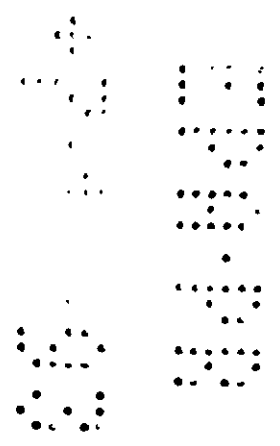
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# Pinnacle<sup>®</sup> /Classic<sup>®</sup>

bag-in-bag herbicide

## Dispersible Granules

Active Ingredients	By Weight
Chlorimuron Ethyl	
Ethyl 2-[[[(4-chloro-6-methoxypyrimidin-2-yl)amino]carbonyl]amino]sulfonyl]benzoate	18.7%
Thifensulfuron methyl	
Methyl 3-[[[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)amino]carbonyl]amino]sulfonyl]-2-thiophenecarboxylate	6.3%
<b>INERT INGREDIENTS</b>	<b>75.0%</b>
<b>TOTAL</b>	<b>100.0%</b>

EPA Reg. No. 352 - XXX  
U.S. Patent No. 4,394,506, 4,547,215 & 4,481,029

### FOR USE ONLY ON SOYBEAN VARIETIES DESIGNATED AS "STS" IN THE VARIETY NAME.

- Application to soybean varieties not designated as "STS" will result in severe crop injury and/or yield loss.
- DuPont will not warrant the safety of this treatment to seed saved from previous years production (bin run seed).
- These "STS" varieties must be purchased from an authorized seed dealer.
- The "STS" designation indicates the soybean variety contains a proprietary trait that enhances the soybean's natural tolerance to DuPont soybean sulfonylurea herbicides. Information on "STS" soybean varieties may be obtained from your seed dealer or DuPont representative.

KEEP OUT OF REACH OF CHILDREN

## CAUTION

### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Caution! May irritate eyes, nose, throat and skin. May be harmful if absorbed through skin. Avoid breathing dust or spray mist. Avoid contact with skin, eyes, and clothing. Get medical attention if irritation persists.

#### STATEMENT OF PRACTICAL TREATMENT

**IF IN EYES:** Flush eyes with plenty of water. Call a physician if irritation persists.

**IF ON SKIN:** Wash with plenty of soap and water. Get medical attention if irritation persists.

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

#### PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers must wear:

- Long-sleeve shirt and long pants.
- Waterproof gloves.
- Shoes plus socks.

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

#### ENGINEERING CONTROL STATEMENTS

When handlers use closed systems, enclosed cabs or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR part 170 Section 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.

#### 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.

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## 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.
- Waterproof gloves.
- Shoes plus socks.

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

FOR USE ONLY ON SOYBEAN VARIETIES DESIGNATED AS "STS" IN THE VARIETY NAME.

These "STS" varieties must be purchased from an authorized seed dealer.

The "STS" designation indicates the soybean variety contains a proprietary trait that enhances the soybeans natural tolerance to DuPont soybean sulfonylurea herbicides. Information on "STS" soybean varieties may be obtained from your seed dealer or DuPont representative.

USE ONLY IN THE STATES OF AL, AR, DE, FL, GA, IA, IL, IN, KS, KY, LA, MD, MO, MS, NC, NE, OH, PA, SC, TN, TX, VA, WV.

This product is a water-dispersible granule containing 25% active ingredient in a premeasured water soluble pack.

### APPLICATION INFORMATION

Du Pont's PINNACLE/CLASSIC bag-in-bag herbicide is a dispersible granule formulation premeasured in 1.7 and 3.4 ounce packs which readily dissolve in water.

### Timing To Crop Stage

- PINNACLE/CLASSIC may be applied any time after the first unifoliolate has opened but no later than 60 days before soybean maturity.
- PINNACLE/CLASSIC performs best when applied to small weeds a few weeks after planting.

### Timing To Weeds

- Apply PINNACLE/CLASSIC when weeds are young and actively growing (after the first true leaves have expanded, but before the weeds exceed the size indicated below).
- Applications made to weeds larger than the sizes indicated below, or to weeds under stress may result in unsatisfactory control.
- Applications made after July 15 may result in less than satisfactory weed control due to the large sizes of the weeds and increased weather stress.

### Rate

Apply PINNACLE/CLASSIC at a rate of one 1.7 ounce Soluble Pack per 2 acres or one 3.4 ounce Soluble Pack per 4 acres for selective postemergence broadleaf weed control.

When applied as directed, PINNACLE/CLASSIC will control the following weeds:

Weed	Height (in inches)
Beggarticks (Bidens sp)	2-6
Bristly Starbur	2-3
Burcucumber*	2-3
Cocklebur	2-8
Common Milkweed (above ground portion)	2-6
Cowpea	2-5
Florida Beggarweed	2-5
Florida Pusley	1-3
Hemp Sesbania	2-5
Lambsquarters	2-4
Jerusalem Artichoke (above ground portion)	2-6
Jimsonweed	2-5
Morningglory* (annual)	
Entireleaf	1-3
Ivyleaf	1-3
Pitted	1-3
Smallflower	1-3
Tall	1-3
Mustard	5**
Pigweeds	
Redroot (Rough)	2-8
Others	2-8
Ragweed	
Common	2-4
Giant*	2-4
Sicklepod*	1-3
Smartweed	
Ladysthumb	2-8
Pennsylvania	2-8
Sunflower	2-8
Tall Waterhemp	2-8
Wild Poinsettia	1-2
Yellow Nutsedge	2-3
Velvetleaf	2-8

\* See Split Applications section.

\*\* Diameter

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When applied as directed, PINNACLE/CLASSIC will suppress the following weeds:

Weed	Height (in inches)
Buffalobur	2-6
Canada Thistle	2-4
Kochia	1-3
Marestail	2-5
Spurred Anoda	1-3
Purple Nutsedge	2-4
Venice Mallow	1-3

\* See Split Applications section.

\*\* Diameter

### Split Applications

A follow up application of DuPont Classic Herbicide may be made 2-3 weeks after a PINNACLE/CLASSIC application to control weeds with multiple germination flushes or suppressed weeds such as burcucumber, cowpea, giant ragweed, morning-glory, and sicklepod. Make only one application of PINNACLE/CLASSIC per season. See Rotational Crop Guidelines for intervals following sequential applications.

### Cultivation

Cultivation approximately 14 days after application will help control suppressed weeds.

### Where PINNACLE/CLASSIC May Be Used

PINNACLE/CLASSIC may be used without any soil pH restrictions in the states of Alabama, Arkansas, Delaware, Florida, Georgia, Illinois, Indiana, Iowa (except in the Clarion-Nicollet-Webster and Hamburg-Ida-Monona soil associations and the historic floodplain of the Missouri River), Kansas, Kentucky, Maryland, Mississippi (except in the Blackbelt soils), Missouri, New Jersey, North Carolina, Ohio, Oklahoma, Pennsylvania, South Carolina, Tennessee, Virginia, and West Virginia.

In the state of Nebraska, and in Iowa on Clarion-Nicollet-Webster and Hamburg-Ida-Monona soils and in the historic flood plain of the Missouri River, and on the Blackbelt soils of Mississippi, use PINNACLE/CLASSIC on soils having a pH of 7.0 or less.

Soil pH may vary greatly within a single field. It may be affected by soil amendments or disturbed soils. Determine soil pH by laboratory analysis using a 1:1 soil:water suspension.

### No-Till/Conservation Till

PINNACLE/CLASSIC may be used for postemergence weed control in no-till/conservation till operations. It may be used alone, in a tank mix for postemergence broadleaf weed control, or tank mixed with postemergence grass herbicides such as Du Pont's ASSURE II Herbicide for total postemergence weed control. PINNACLE/CLASSIC may be used in combination with premerge applications of Du Pont's CANOPY\* herbicide for a pre-post No-Till herbicide program.

### Spray Additives

Applications of PINNACLE/CLASSIC must include a crop oil concentrate. Refer to the Du Pont bulletin "Approved Adjuvants for Use with Du Pont Row Crop and Cereal Herbicides" for a list of approved adjuvants and suggested use rates for PINNACLE/CLASSIC. An ammonium nitrogen fertilizer is also required. Products that combine ammonium fertilizers with surfactants or crop oils must meet all of the surfactant/crop oil and ammonium nitrogen fertilizer requirements.

### Crop Oil Concentrate

- Apply crop oil concentrate at 8 pt per 100 gal of spray solution (1.0% v/v).
- Use a good-quality, petroleum-based or methylated seed oil-based crop oil concentrate with at least 14% emulsifiers and 80% oil.

### Ammonium Nitrogen Fertilizer

In addition to a crop oil concentrate, an ammonium nitrogen fertilizer is required.

- Use a high-quality, liquid nitrogen fertilizer such as 28-0-0 at a rate of 4-8 pt per acre, or a 10-34-0 at a rate of 2-4 pt per acre.
- Alternatively, a high-quality, sprayable grade of ammonium sulfate (21-0-0) may be used at a rate of 2-4 lb per acre.
- Use the lower rate of fertilizer for spray volumes of less than 15 gal per acre.

### TANK MIX APPLICATIONS

Do not tank mix PINNACLE/CLASSIC with any other pesticide or spray adjuvant except as specified on this or other supplemental labeling.

### PINNACLE/CLASSIC and Postemergence Grass Herbicides

PINNACLE/CLASSIC may be tank mixed with postemergence grass herbicides such as Du Pont's ASSURE\* II Herbicide.

- For best results apply PINNACLE/CLASSIC 7 days before or 1 day after the grass herbicide. Refer to the grass herbicide label for precautions and specific use information.
- Include a crop oil concentrate with the tank mix of PINNACLE/CLASSIC and postemergence grass herbicides such as ASSURE II. Use the rate listed in the Soybean Spray Additives section.
- Under certain conditions PINNACLE/CLASSIC may reduce the activity of the grass herbicide. The broadleaf activity of PINNACLE/CLASSIC will not be affected.
- PINNACLE/CLASSIC may be tank mixed with other grass herbicides such as Poast Plus<sup>1</sup>, Select<sup>2</sup>, Fusion<sup>3</sup>, or Fusilade<sup>4</sup> 2000. Read and follow label directions for any tank mix product.

The types of grass present determine the amount of ASSURE II to be tank mixed with PINNACLE/CLASSIC. When applied as directed, a tank mix of PINNACLE/CLASSIC and ASSURE II will control the following grasses:

### PINNACLE/CLASSIC + 5 oz of ASSURE II per acre

Grass	Height (Inches)
Volunteer Corn	6 - 18
Shattercane	6 - 12
Giant Foxtail	2 - 4
Seedling Johnsongrass	2 - 8

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**PINNACLE/CLASSIC + 8 oz of ASSURE II per acre**

Grass	Height (Inches)
Crowfoot Grass	2 - 6
Fall Panicum	2 - 6
Giant Foxtail	2 - 8
Green Foxtail	2 - 4
Bristly Foxtail	2 - 4
Goosegrass	2 - 4
Itchgrass	2 - 8
Field Sandbur	2 - 6
Sprangletop	2 - 6
Volunteer Cereals	2 - 6
Wild Oats	2 - 6
Wild Proso Millet	2 - 6
Witchgrass	2 - 6

**PINNACLE/CLASSIC + 10 oz of ASSURE II per acre**

Grass	Height (Inches)
Junglerice	2 - 6
Rhizome Johnsongrass	10 - 24

**PINNACLE/CLASSIC and 2,4-DB**

PINNACLE/CLASSIC may be tank mixed with 1-2 fl oz per acre of 2,4-DB for improved control of giant ragweed, annual morningglory and other broadleaf weeds.

- Applications to morningglory species must be made before the weeds are 4" tall.
- Soybeans must be at least 8" tall before applying PINNACLE/CLASSIC in a tank mix with 2,4-DB.
- Applications of PINNACLE/CLASSIC and 2,4-DB must include a nonionic surfactant at the rate of 2 pints per 100 gal (minimum of 0.125% v/v of actual nonionic surfactant) or 8 pints per 100 gal of crop oil concentrate (1.0% v/v). See Spray Additives.
- Apply a tank mix of PINNACLE/CLASSIC and 2,4-DB by ground only.
- In Kansas and Missouri (except the bootheel area), when conditions are excessively hot and dry (> 90°F and < 30% relative humidity), make applications at the rate of 2 fl oz of 2,4-DB and PINNACLE/CLASSIC.
- The use of crop oil concentrate may increase temporary injury to soybeans.

Some crop response may occur 5-7 days after application of PINNACLE/CLASSIC and 2,4-DB to soybeans under stress. Temporary yellowing, leaf crinkling, and/or soybean growth retardation may occur following application of PINNACLE/CLASSIC and 2,4-DB. Under favorable growing conditions, the crop will quickly recover.

Consult the 2,4-DB label for use precautions.

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**PINNACLE/CLASSIC AND COBRA'**

PINNACLE/CLASSIC may be tank mixed with "Cobra" at the rate of 8.0 to 12.5 fl oz of "Cobra" per acre. Use the higher rate of "Cobra" when weed populations are heavy or weeds approach the maximum size listed below.

Weed	Height (Inches)
Prickly Sida (teaweed)	up to 1 inch
Cocklebur	2 - 6
Hemp Sesbania	2 - 4
Morningglory	
Pitted	2 - 3
Ivyleaf	2 - 3
Entireleaf	2 - 3

**PINNACLE/CLASSIC and "Cobra" Application Information**

- Include a nonionic surfactant at 2 pt per 100 gal of spray solution (minimum of 0.125% v/v actual surfactant).
- Do not use crop oil concentrate when tank mixing PINNACLE/CLASSIC and "Cobra".
- Tank mix applications of PINNACLE/CLASSIC and "Cobra" may not control weeds listed on the PINNACLE/CLASSIC label as completely as applications of PINNACLE/CLASSIC alone.

**PRECAUTIONS**

- Do not graze treated fields or harvest for forage or hay.
- PINNACLE/CLASSIC should not be used on soils with a history of nutrient deficiency (such as iron chlorosis). Crop injury may occur.
- Follow extended crop rotation interval as directed on this label when PINNACLE/CLASSIC is applied over Du Pont's CANOPY®, GEMINI®, PREVIEW®, or LOROX PLUS® Herbicides. See Rotational Crop Guidelines.
- If Scepter', Pursuit' or any product containing the active ingredients imazaquin or imazethapyr (such as Squadron' or Passport') is applied to soybeans the same year as PINNACLE/CLASSIC, do not plant crops other than soybeans for at least 15 months after the last application. Crops listed in the Rotational Crop Guidelines section of this label may be planted after 15 months. All other crops require a successful field bioassay.
- Do not apply to land that has been or will be treated with Du Pont's GLEAN®, ALLY®, or FINESSE® Herbicides in the states of Kansas or Nebraska.

**MIXING INSTRUCTIONS**

Soluble Packs are contained in waterproof, resealable plastic bags, with plastic bags enclosed in a cardboard box. The individual Soluble Packs will dissolve completely in water. Open the outer resealable plastic bag, remove the number of required Soluble Packs for the application rate of one 1.7 ounce Soluble Pack per 2 treated acres or one 3.4 ounce Soluble Pack per 4 treated acres, and drop them into the spray tank as directed below.

**Soluble Pack Handling Precautions:**

The outer resealable plastic bag is NOT soluble in water. DO NOT place it in the spray tank.

Excessive handling of the packs, or exposure to moisture, will cause breakage.

Do not touch the packs with wet hands or place them on wet surfaces.

Protect unused Soluble Packs by resealing them in the plastic bag.

To Use the Soluble Packs:

1. Fill the tank 1/4 to 1/3 full of water.
2. While agitating, add the required number of PINNACLE/CLASSIC Soluble Packs ( one 1.7 ounce Soluble Pack per 2 acres or one 3.4 ounce Soluble Pack per 4 acres).
3. The packs should dissolve completely within 5 minutes. Continue adequate agitation.
4. PINNACLE/CLASSIC should be thoroughly mixed with water in the spray tank before adding any other material. As the tank is filling and after the Soluble Packs have dissolved, add (in order): other herbicide(s), the required spray adjuvant, the required nitrogen fertilizer.
5. Apply PINNACLE/CLASSIC spray preparation within 24 hours of mixing to avoid product degradation.
6. If the mixture has settled, thoroughly reagitrate before using.

### APPLICATION EQUIPMENT

Many crops are sensitive to PINNACLE/CLASSIC. All direct or indirect contact (such as spray drift) with crops other than soybeans should be avoided.

#### Ground Application (See Also Spray Drift)

##### Broadcast Application

- Use a minimum of 10 gal water per acre.
- Under heavy weed pressure or dense crop foliage, increase minimum spray volume to 15-25 gal per acre.
- Use flat fan nozzles at 25-60 psi for PINNACLE/CLASSIC applications.
- Do not use flood, rain drop, whirl chamber, or controlled droplet applicator (CDA) type nozzles. Unacceptable crop injury, excessive spray drift, or poor weed control may result.
- For proper spray coverage adjust the boom and nozzle height according to the specifications listed by the nozzle manufacturer.

##### Band Application

- Because band applicators spray a narrower area than broadcast applicators, use proportionately less spray solution for band applications.
- Carefully calibrate the band applicator to not exceed the labeled rate.
- Flat fan nozzles are preferred.
- Carefully follow the nozzle manufacturer's instructions for nozzle orientation, distance of the nozzles from the crop and weeds, spray volumes, calibration, and spray pressure for band applications.
- For additional information on row banders, see Du Pont's bulletin, "Application Accuracy - Row Banders."

##### Aerial Application (See Also Spray Drift)

- Use nozzle types and arrangements that will provide optimum spray distribution and maximum coverage at 3-5 gal per acre.

- Use a minimum of 3 gal water per acre. Under heavy weed pressure or dense crop foliage, increase the minimum spray volume to 5 gal per acre.
- Do not apply during a temperature inversion, when winds are gusty, or when other conditions could produce poor coverage and/or off-target spray movement.

### CULTIVATION

Do not cultivate within 7 days of application. Cultivation may put weeds under stress by pruning roots, thus diminishing control.

The best time to cultivate is approximately 14 days after application.

### ENVIRONMENTAL CONDITIONS AND BIOLOGICAL ACTIVITY

PINNACLE/CLASSIC rapidly inhibits the growth of susceptible weeds. Leaves of susceptible plants yellow 3-5 days after application, followed, in controlled plants, by the death of the growing point. PINNACLE/CLASSIC will provide complete control of susceptible weeds in 7-21 days. Suppressed plants may remain green but will be stunted and noncompetitive.

PINNACLE/CLASSIC will provide best results when applied to young, actively growing weeds. Degree of control depends on: weed spectrum; weed size (if weeds are large, use higher spray volume); growing conditions at and following treatment; soil moisture; precipitation; and spray adjuvants. Treating weeds under stress or large weeds may result in only partial control. Stress may be caused by:

- abnormal weather (hot or cold)
- mechanical injury from cultivation
- drought
- water-saturated soil
- disease
- insect injury
- prior herbicide injury

Stress affects some weeds, such as pigweed, more than others. Delay application until stress passes and weeds start to grow again.

Severe stress (drought, disease, insect damage, or nutrient deficiency such as iron chlorosis) following application may also result in poor weed control.

Do not apply PINNACLE/CLASSIC if rain is expected within 1 hour or weed control may decrease.

### ROTATIONAL CROP GUIDELINES

Important: Crops other than soybeans following a PINNACLE/CLASSIC application can vary in their sensitivity to low concentrations of PINNACLE/CLASSIC remaining in the soil. Crop rotation intervals may be extended if PINNACLE/CLASSIC is applied over Du Pont's CANOPY, GEMINI\*, PREVIEW\* or LOROX PLUS\* Herbicides.

#### Rotational Intervals Following the Use of PINNACLE/CLASSIC

Group A States: AL, AR, FL, GA, LA, MS\*, NC, SC, TN, TX.

Group B States: DE, IA\*, IL, IN, KS, MD, MO, NE, NJ, OH, OK, PA, VA, W.VA.

\* Refer to "Where PINNACLE/CLASSIC may be used" section of label.





**INTERVAL 1**

**Following PINNACLE/CLASSIC Application**

- One application of PINNACLE/CLASSIC in Group A or Group B states.  
OR
- A single application of PINNACLE/CLASSIC followed by a sequential application of Classic in Group B States having a soil pH not greater than 6.8.  
OR
- A single application of PINNACLE/CLASSIC following CANOPY\*\*\* (not more than 6 oz) or GEMINI\*\*\* (not more than 10 oz) or PREVIEW\*\*\* (not more than 8 oz) or NEW LOROX PLUS\*\*\* (not more than 16 oz) on a soil pH of 6.8 or less.  
OR
- A single application of PINNACLE/CLASSIC following any rate of CANOPY\*\*\* or GEMINI\*\*\* in Group A states.  
OR
- A single application of PINNACLE/CLASSIC following not more than 22 oz of GEMINI in the states of DE, MD, NJ, PA on soils with a pH of 6.8 or less.

**INTERVAL 2**

- A single application of PINNACLE/CLASSIC followed by a sequential application of 1/2 oz Classic in Group B states with a soil pH greater than 6.8.

**INTERVAL 3**

- A single application of PINNACLE/CLASSIC following CANOPY (7 oz or more), PREVIEW (9 oz or more), NEW LOROX PLUS (17 oz or more), or GEMINI (11 oz or more) in Group B states.  
OR
- Where a single application of PINNACLE/CLASSIC follows CANOPY or GEMINI used on soils with a pH of 6.9 to 7.5 (where allowed).

**Rotational Intervals following the use of PINNACLE/CLASSIC\***

Crop	Interval 1*	Interval 2*	Interval 3*
Soybeans	Anytime	Anytime	Anytime
Cereal Grains	3	3	3
Ryegrass	3	3	3
Field Corn**	9	9	15
IR Field Corn	8	8	8
Peanut	6	15	15
(if following Canopy)	9		
Alfalfa	11	15	15
Clover	11	15	15
Cotton	9	15	15
Dry Beans	9	15	15
Rice	9	15	15
Sorghum	11	15	15
Tobacco (transplant)	9	15	15
Tomato (transplant)	9	15	15

\* If PINNACLE/CLASSIC is applied after August 1, extend recrop interval 2 months on corn, cotton, rice, and sorghum or rotational crop may be injured.

\*\* For the Rotational Crop Guidelines, "Field Corn" refers only to popcorn and corn grown for grain, silage, or seed.

\*\*\* Consult the rotational crop interval sections of the CANOPY, PREVIEW, and GEMINI, NEW LOROX PLUS labels. Some crop rotations may be longer than indicated because of metribuzin or linuron restrictions. Use the longest rotational crop interval.

The season before planting any crop not listed, a successful field bioassay must be completed. The field bioassay detects small quantities of PINNACLE/CLASSIC that can remain in the soil and injure rotational crops. A successful field bioassay means growing to maturity a test strip of crop(s) intended for production the following year. The test strip should cross the whole field, including knolls and low areas. Suggested interval before initiating bioassay is 9 months for Group A and 15 months for Group B states.

**SPRAYER PREPARATION AND CLEANUP**

Spray equipment must be clean and free of previous pesticide deposits before applying PINNACLE/CLASSIC and properly cleaned out after applying PINNACLE/CLASSIC. Using the cleanup procedures specified on the label of the previously used product, clean all application equipment before applying PINNACLE/CLASSIC. If no cleanup procedure is provided, use the procedure that follows. Immediately following applications of PINNACLE/CLASSIC, thoroughly clean all mixing and spray equipment according to the following instructions.

1. Drain tank; thoroughly hose down the interior surfaces of the tank; then flush tank, boom, and hoses with clean water for a minimum of 5 minutes. Loosen and physically remove any visible deposits.
2. Fill the tank with clean water and add one gal of household ammonia\* (3% active) for every 100 gal of water. Flush the cleaning solution through the boom, hoses, and nozzles. Add more water to completely fill the tank and allow to agitate/recirculate for at least 15 minutes. Again, flush the hoses, boom, and nozzles with the cleaning solution, then drain the tank.
3. Remove the nozzles and screens and clean separately in a bucket containing the cleaning agent and water.
4. Repeat Step 2.
5. Thoroughly rinse the tank with clean water for a minimum of 5 minutes, flushing the water through the hoses and boom.
6. Dispose of the rinsate on site or at an approved waste disposal facility.

\* Equivalent amounts of an alternate-strength ammonia solution or Du Pont approved cleaner can be used in the cleanout procedure (see Du Pont Bulletin "Information on Cleaning Agents for Sprayer Cleanout of Du Pont Sulfonylurea Herbicides"). Carefully read and follow the individual cleaner instructions.

**Notes**

- Steam cleaning of aerial spray tanks is recommended in order to dislodge any visible pesticide deposits.
- During an extended period where spraying (or mixing) equipment will be used to apply multiple loads of PINNACLE/CLASSIC, at the end of each day partially fill the tank with fresh water, flush the boom and hose, and allow to sit overnight.



## SPRAY DRIFT

THE MINIMIZATION OF PESTICIDE DRIFT IS THE RESPONSIBILITY OF THE APPLICATOR. Interactions between weather conditions and land configurations may contribute to unpredictable drift patterns of all crop protection products. Responsibility for plant injury caused by spray drift lies with the applicator. As an aid for applying any crop protection product, follow these practices to minimize spray drift.

Do not allow spray from either ground or aerial equipment to drift onto neighboring crops or land, as even small amounts may injure susceptible plants. When spraying near adjacent sensitive crops or plants, do everything possible to reduce spray drift including:

- Stop spraying if wind becomes excessive. **DO NOT SPRAY IF WIND SPEED IS 10 MPH OR GREATER.** Spray drift can occur at wind speeds less than 10 MPH. If sensitive crops or plants are downwind, extreme caution must be used even in relatively low wind conditions. **DO NOT SPRAY IF WINDS ARE GUSTY.**
- High temperature, drought, and low relative humidity increase the possibility of spray drift. **EXTREME CAUTION MUST BE USED WHEN THESE CONDITIONS ARE PRESENT AND SENSITIVE CROPS ARE NEARBY, REGARDLESS OF WIND SPEED.**
- Do not apply during a temperature inversion. An inversion is characterized by low air movement and an increase in air temperature with an increase in altitude. In humid regions, a fog or mist may form. An inversion may be detected by producing a smoke column and checking for a layering effect. Smoke-producing devices on aircraft are recommended. If not sure whether an inversion exists, consult with local weather services before making an application.

Drift from ground equipment may be further reduced by:

- Using coarse sprays to minimize drift. Do not use nozzles that produce small droplets, such as sprayfoam or airblast-type nozzles.
- Increasing the volume of spray mix per acre by using higher flow rate nozzles.
- Reducing pressure (PSI).
- Applying as close to target plants as possible while still maintaining a good spray pattern.

### Important Precautions

PINNACLE/CLASSIC Herbicide should be used only in accordance with recommendations on this label or in separately published DuPont recommendations.

- DuPont will not warrant the safety of this treatment to seed saved from previous years production (bin run seed).
- Application to soybean varieties not designated as "STS" will result in severe crop injury and/or yield loss.

Injury to or loss of desirable trees or vegetation may result from failure to observe the following:

- Do not apply PINNACLE/CLASSIC or drain or flush equipment on or near desirable trees or other plants, 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 spray drift to desirable plants.
- Do not contaminate any body of water.
- Keep PINNACLE/CLASSIC from coming in contact with fertilizers, insecticides, fungicides, and seeds during storage.
- Thoroughly clean all application equipment immediately after use and prior to spraying crops other than soybeans or peanuts.
- Do not apply this product through any type of irrigation system.

## STORAGE AND DISPOSAL

**Storage:** Store product in original container only. Do not contaminate water, other pesticides, fertilizer, food or feed in storage.

**Product Disposal:** Do not contaminate water, food or feed by disposal. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**Container Disposal:** Triple rinse (or equivalent). Then offer the container for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incinerator. Or, if allowed by state and local authorities, the container can be burned on site. If burned, stay out of smoke.

**Notice to Buyer:** Purchase of these materials does not confer any rights under patents of countries outside of the United States.

## NOTICE OF WARRANTY

Du Pont warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for the purpose stated on such label only when used in accordance with the directions under normal use conditions. 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 the manner of use or application, all of which are beyond the control of Du Pont. In no case shall Du Pont be liable for consequential, special or indirect damages resulting from the use or handling of this product. All such risks are assumed by the buyer. **DU PONT MAKES NO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.**

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