

352-649

10/27/2005

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

OFFICE OF  
PREVENTION, PESTICIDES  
TOXIC SUBSTANCES

AND

OCT 27 2005

Mr. Richard J. Ambrose  
E.I. DuPont de Nemours & Company  
DuPont Crop Protection  
Stine-Haskell Research Center  
P.O. Box 30  
Newark, DE 19714-0030

Dear Mr. Ambrose:

Subject: DuPont DPX-E9636 25 DF Corn Herbicide (Add Preemergence Uses)  
EPA Registration No. 352-649  
Application Dated September 7, 2005

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended is acceptable, provided you make the following changes before you release the product for shipment.

1. Revise the second sentence of the third paragraph of your Limitation of Warranty and Liability to read "**TO THE FULLEST EXTENT PERMITTED BY LAW, WHEN YOU BUY THIS PRODUCT, YOU AGREE TO ACCEPT THESE RISKS.**"
2. Revise the first sentence of the sixth paragraph of your Limitation of Warranty and Liability to read "**TO THE FULLEST EXTENT PERMITTED BY LAW, IN NO EVENT SHALL DUPONT OR SELLER BE LIALBLE...**"

Submit one (1) copy of your final printed labeling incorporating the above changes before you release the product for shipment. Amended labeling supercedes all previously approved ones. A stamped copy of labeling is enclosed for your records.

Sincerely,

*James A. Tompkins*  
James A. Tompkins  
Product Manger 25  
Herbicide Branch  
Registration Division (7505C)



# DuPont™ DPX-E9636 25DF

Corn herbicide

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## DRAFT LABEL



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



DuPont™

# DPX-E9636 25DF

## Corn herbicide

**DRY FLOWABLE**

**For Weed Control  
In Field Corn**

<i>Active Ingredients</i>	<i>By Weight</i>
Rimsulfuron	
N-((4,6-dimethoxypyrimidin-2-yl)aminocarbonyl)-3-(ethylsulfonyl)-2-pyridinesulfonamide	25.0%
<i>Inert Ingredients</i>	75.0%
TOTAL	100.0%

EPA REG. NO. 352-649

ACCEPTED  
with COMMENTS  
In EPA Letter Dated:

OCT 27 2005

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under EPA Reg. No.  
352-649

**KEEP OUT OF REACH OF CHILDREN**

## CAUTION

### FIRST AID

**IF IN EYES:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

**IF INHALED:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

**IF SWALLOWED:** No specific intervention is indicated as the compound is not likely to be hazardous by ingestion. However, consult a poison control center or doctor if necessary.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-441-3637 for emergency medical treatment information.

### PRECAUTIONARY STATEMENTS

#### HAZARD TO HUMANS AND DOMESTIC ANIMALS

**CAUTION!** Causes eye irritation. Harmful if absorbed through skin. Avoid contact with skin, eyes, or clothing. Avoid breathing dust or spray mist.

#### PERSONAL PROTECTIVE EQUIPMENT

Some of the materials that are chemical resistant to this product are listed below. If you want more options follow the instructions for category A on an EPA chemical-resistant category selection chart.

**Applicators and other handlers must wear:**

Long-sleeve shirt and long pants.

Chemical resistant gloves Category A (such as butyl rubber, natural rubber, neoprene rubber, or nitrile rubber), all > 14 mils.

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.

#### USER SAFETY RECOMMENDATIONS

**USERS SHOULD:** Wash hands before eating, drinking, chewing gum, using tobacco or using 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 by cleaning of equipment or disposal of wastes.

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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 in your State 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 4 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 (such as butyl rubber, natural rubber, neoprene rubber, or nitrile rubber), all > 14 mils.

Shoes plus socks.

## GENERAL INFORMATION

DuPont™ DPX-E9636 25DF Corn herbicide 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.

DPX-E9636 25DF Corn herbicide is a water dispersible granule containing 25% active ingredient by weight. DPX-E9636 25DF is a selective herbicide for burndown and residual control of certain annual grass and broadleaf weeds when applied preemergence and postemergence to field corn. DPX-E9636 25DF may be applied to "Roundup Ready" corn in tank mix combinations with glyphosate herbicides such as "Roundup Original", "Roundup Weathermax", or similar products to add residual control for later emerging weeds. Residual weed control is dependent on rainfall or sprinkler irrigation for herbicide activation.

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

Do not apply preemergence to course-textured soils (sand, loamy sand or sandy loam).

Do not apply by air in the State of New York.

Apply DPX-E9636 25DF to field corn hybrids with a relative maturity (RM) of 77 days or more, including "food grade" (yellow dent, hard endosperm), waxy and High-Oil corn. Not all field corn hybrids of less than 77 days RM, not all white corn hybrids nor Hi-Lysine hybrids have been tested for crop safety, nor does DuPont have access to all seed company data. Consequently, injury arising from the use of DPX-E9636 25DF on these types of corn is the responsibility of the user. Consult with your seed supplier before applying DPX-E9636 25DF to any of these corn types. Seed company publications indicate "Warning", "Crop Response Warning", or "Sensitive" notations for the use of some ALS herbicides on corn hybrids of 77 CRM or higher. As noted in the seed company publications, DuPont sulfonylurea herbicides such as DPX-E9636 25DF should be used with caution on these hybrids. Consult with your local DuPont representative or the DuPont Label Web Site (<http://cropprotection.dupont.com/>) for any additional supplemental labeling information relative to potential corn hybrid sensitivity to DPX-E9636 25DF.

## APPLICATION INFORMATION

### WHEN TO APPLY

Do not apply more than a total of 2.0 oz DPX-E9636 25DF (or 0.5 oz active ingredient rimsulfuron) during the crop year. This includes combinations of preemergence and postemergence applications of DPX-E9636 25DF, as well as rimsulfuron from applications of such products as DuPont™ BASIS®, DuPont™ STEADFAST®, and DuPont™ CLARION™ herbicides. Limit preemergence rates of DPX-E9636 25DF to a maximum of 1.25 oz product if following with postemergence applications of the rimsulfuron-containing products noted above.

### WHEN TO APPLY - Preemergence to the Crop

DPX-E9636 25DF may be applied preemergence or preplant to corn. Applications of DPX-E9636 25DF made before weed emergence will provide residual control of labeled weeds. Control of emerged weeds will require the addition of spray adjuvants as noted below.

#### Preemergence Rates

DPX-E9636 25DF may be applied at 0.5 - 2.0 oz product before corn emergence. See cumulative rimsulfuron rate limitations noted above. DuPont recommends a use rate of 1 - 1.5 oz/acre for most applications. Consult DuPont technical bulletins for additional rate recommendations.

### WHEN TO APPLY - Postemergence to the Crop

Apply DPX-E9636 25DF to corn that is up to 12 inches tall. Do not apply to corn taller than 12 inches or exhibiting 6 or more leaf collars, whichever is more restrictive.

Applications of DPX-E9636 25DF made after weed emergence will provide contact control of labeled weeds as well as limited residual control of later emergence.

#### Postemergence Rates

DPX-E9636 25DF may be applied at 0.5 - 2 oz/acre as a postemergence broadcast application. DuPont recommends a use rate of 1 oz/acre for most applications. Consult DuPont technical bulletins for additional rate recommendations.

**Timing to Weeds**

- Tank mixtures of DuPont™ DPX-E9636 25DF with glyphosate herbicides may be applied after weeds emerge but before they reach the maximum size listed on the glyphosate herbicides label.
- Adequate soil moisture is required for optimum activity. Rainfall within 5 to 7 days after application will enhance DPX-E9636 25DF residual activity. If 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.

Do not apply more than 1 ounce of DPX-E9636 25DF postemergence or 1.5 ounce preemergence unless instructed to do so by DuPont Technical Bulletins.

Do not apply more than 2 ounces of DPX-E9636 25DF in a single use season.

**SPRAY ADJUVANTS**

For control of emerged weeds, application of DPX-E9636 25DF must include a nonionic surfactant and an ammonium nitrogen fertilizer. If applied in tank mix combination with a glyphosate herbicide that contains a built-in adjuvant system, such as "Roundup Weathermax", no additional surfactant needs to be added. Crop oil concentrate may be used in place of nonionic surfactant for burndown applications of DPX-E9636 25DF made before crop emergence. Consult local DuPont fact sheets, technical bulletins, and service policies prior to using other adjuvant systems. Products must contain only EPA-exempt ingredients (40 CFR 1001).

**Petroleum Crop Oil Concentrate (COC) or Modified Seed Oil (MSO)**

- Apply at 1% v/v (1 gallon per 100 gallons spray solution) or 2% under arid conditions.
- MSO adjuvants may be used at 0.5% v/v (0.5 gallon per 100 gallons spray solution) if specifically noted on adjuvant product labeling.
- Oil adjuvants must contain at least 80% high quality, petroleum (mineral) or modified vegetable seed oil with at least 15% surfactant emulsifiers.

**Nonionic Surfactant (NIS)**

- Apply at 0.25% v/v (1 qt per 100 gal spray solution).
- Surfactant products must contain at least 60% nonionic surfactant with a hydrophilic/lipophilic balance (HLB) greater than 12.

**Ammonium Nitrogen Fertilizer**

- Use 2 qt/acre of a high-quality urea ammonium nitrate (UAN) such as 28%N or 32%N, or 2 lb/acre of a spray-grade ammonium sulfate (AMS).
- Do not use liquid nitrogen fertilizer as the total carrier solution.

**Special Adjuvant Types**

- Combination adjuvant products may be used at doses that provide the required amount of NIS and ammonium nitrogen fertilizer. Consult product literature for use rates and restrictions.

Do not use any other adjuvant rates or mixtures with DPX-E9636 25DF unless instructed to do so on DuPont Technical Bulletins.

**WEEDS CONTROLLED/SUPPRESSED**

**PREEMERGENCE CONTROL**

**Grasses**

- Barnyardgrass
- Crabgrass, large\*
- Foxtail (bristly, giant, green, yellow)
- Panicum, fall\*
- Wheat, Volunteer
- Wild Oat

**Broadleaves**

- Carpetweed\*
- Chamomile, false
- Cocklebur\*
- Filaree, Redstem
- Henbit
- Jimsonweed\*
- Kochia (ALS-sensitive)
- Lambsquarters, common
- Morningglory, ivyleaf\*
- Mustard (birdsrape, black)
- Nightshade\* (hairy, black)
- Palmer amaranth\*
- Pigweed (prostrate, redroot, smooth)
- Purslane, common
- Ragweed, common\*
- Russian thistle, seedling\*
- Smartweed, Pennsylvania\*
- Velvetleaf\*

\* partial control/suppression

**POSTEMERGENCE CONTROL**

**Grasses (1 - 2")**

- Barley, volunteer
- Barnyardgrass
- Bluegrass, annual
- Crabgrass, large (1/2")
- Cupgrass, woolly (1")
- Foxtail, bristly, giant, green, yellow)
- Johnsongrass, seedling\*
- Millet, Wild Proso\*
- Panicum, fall
- Quackgrass\*
- Shattercane (4")
- Stinkgrass\*
- Wheat, volunteer
- Wild oat\*
- Yellow nutsedge\*

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**Broadleaves (1 - 3")**

- Alfalfa, volunteer^
- Canada thistle\*
- Chickweed, common
- Cocklebur\*
- Henbit
- Kochia
- Lambsquarters, common\*
- Morningglory, ivyleaf\*
- Mustard, (birdsrape, black, wild)
- Nightshade, hairy\*
- Pigweed, (prostrate, redroot, smooth)
- Purslane, common\*
- Ragweed, common\*
- Shepherd's purse
- Smartweed, Pennsylvania\*
- Wild radish
- Velvetleaf\*

\*partial control/suppression

^ Except in California

**TANK MIXTURES**

DuPont™ DPX-E9636 25DF may be tank mixed with full or reduced rates of other product registered for use in corn. Read and follow all manufactures label recommendations for the companion herbicide. If these recommendations conflict with this DPX-E9636 25DF label, do not use as a tank mixture with DPX-E9636 25DF.

**Preemergence to the Crop**

**For Additional Control of Grasses and Broadleaves**

DPX-E9636 25DF may be tank mixed with full or reduced rates of preemergence grass and broadleaf herbicides such as DuPont™ CINCH®, DuPont™ CINCH® ATZ, "Harness", "Outlook", "Balance PRO" and "Lumax" to provide added residual activity or burndown activity on emerged weeds. Consult tank mix partner labeling for rate and soil-type restrictions.

**Postemergence to the Crop**

**Tank Mixtures with Glyphosate**

DPX-E9636 25DF may be tank mixed with glyphosate herbicides if applications are made to corn hybrids containing the "Roundup Ready" gene. Consult with your seed supplier to confirm the corn hybrid is "Roundup Ready" before making any herbicide application containing glyphosate herbicides.

When used in tank mixture with glyphosate herbicides, 1 oz DPX-E9636 25DF will deliver improved burndown and/or residual activity on the following weeds, as compared to glyphosate used alone:

- Alfalfa, volunteer\*
- Barley, volunteer
- Barnyardgrass
- Bluegrass, annual
- Canada thistle
- Chamomile, false
- Chickweed, common
- Cocklebur
- Crabgrass
- Filaree, redstem
- Foxtail (bristly, giant, green, yellow)
- Henbit
- Johnsongrass, seedling
- Kochia
- Lambsquarters, common
- Millet, wild proso
- Morningglory, ivyleaf
- Mustard (birdsrape, black, wild)
- Nightshade, hairy
- Panicum, fall
- Pigweed (prostrate, redroot, smooth)
- Purslane, common
- Quackgrass
- Ragweed, common
- Sandbur (field, longspine)
- Shepherd's purse
- Smartweed, Pennsylvania
- Stinkgrass
- Velvetleaf
- Wheat, volunteer
- Wild buckwheat
- Wild oat
- Wild radish
- Yellow nutsedge

\* Except in California

**For Additional Control of Kochia**

DPX-E9636 25DF may be tank mixed with 1/3 to 2/3 pint per acre of "Starane" for improved control of kochia. Use higher rates when weed infestation is heavy. Refer to the specific "Starane" label for application timing and restrictions. DPX-E9636 25DF may be tank mixed with "Starane" and additional 1/16 to 1/8 lb active ingredient dicamba (such as 2-4 fluid oz of "Banvel" or "Clarity") for broader spectrum weed control.

**FOR ALL APPLICATION TIMINGS**

- Do not apply DPX-E9636 25DF tank mixtures with glyphosate herbicides to conventional corn hybrids that do not contain the "Roundup Ready" trait.
- To avoid crop injury or antagonism, apply the products indicated below at least seven days before or three days after the application of DPX-E9636 25DF. Do not tank mix DPX-E9636 25DF with "Basagran" and "Laddok" or severe crop injury may occur. Do not tank mix DPX-E9636 25DF with 2,4-D - containing products as severe grass control antagonism may occur. Do not tank mix DPX-E9636 25DF with foliar-applied organophosphate insecticides such as "Lorsban", malathion, parathion, etc., as severe crop injury may occur.
- Do not exceed labeled application rates. Do not tank mix DPX-E9636 25DF with other products that contain the same active ingredients as DPX-E9636 25DF (rimsulfuron) unless the label of either tank mix partner specifies the maximum rate that may be used.

Other than the exceptions noted, and in addition to the tank mix partners indicated in the preemergence and postemergence sections above, DuPont™ DPX-E9636 25DF may be applied in tank mixture with glyphosate plus other products registered for use in field corn. DPX-E9636 25DF may be applied in tank mix combinations with full or reduced rates of other products provided:

- The tank mix product is labeled for the same timing, method of application, adjuvants, and use restrictions as DPX-E9636 25DF and other products used in the tank mixture.
- The tank mixture is not specifically prohibited on the label of the tank mix product.

**Tank Mixing Precautions:**

- Weed control and crop response with tank mixtures not specifically recommended in this label or in DPX-E9636 25DF fact sheets or technical bulletins are the responsibility of the user and manufacturer of the tank mix product.
- Read and follow all applicable use directions, precautions, and limitations specified on the respective product labels and fact sheets.
- 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 (i.e. "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.

**CHEMIGATION**

Do not apply DPX-E9636 25DF through any type of irrigation system.

**MIXING INSTRUCTIONS**

1. Fill the tank 1/4 to 1/3 full of water.
2. While agitating, add the required amount of DPX-E9636 25DF.
3. Continue agitation until the DPX-E9636 25DF is fully dispersed, at least 5 minutes.
4. Once the DPX-E9636 25DF is fully dispersed, maintain agitation and continue filling tank with water. DPX-E9636 25DF should be thoroughly mixed with water before adding any other material.
5. As the tank is filling, add tank mix partners (if desired).
6. If the mixture is not continuously agitated, settling will occur. If settling occurs, thoroughly re-agitate before using.
7. Apply DPX-E9636 25DF spray mixture within 48 hours of mixing to avoid product degradation.

If the selected companion herbicide has a ground or surface water advisory, consider this advisory when using the companion herbicide.

**BROADCAST APPLICATION**

Use a minimum of 15 gallons of water per acre (GPA) to ensure thorough coverage of the weeds and the best performance. Use a minimum of 10 GPA for light, scattered stands of weeds. For best performance, select nozzles and pressure that deliver MEDIUM spray droplets, as indicated,

for example, by ASAE Standard S572. Nozzles that deliver COARSE spray droplets may be used to reduce drift, provided spray volume is increased to maintain coverage on small weeds.

For optimal product performance and minimal spray drift, adjust the spray boom to the lowest possible spray height recommended in manufacturers' specifications. Ensure that 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.

**AERIAL APPLICATION**

Aerial application is not permitted in the State of New York. 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.

**ENVIRONMENTAL CONDITIONS AND BIOLOGICAL ACTIVITY**

DPX-E9636 25DF is absorbed through the roots of plants, rapidly inhibiting the growth of susceptible weeds. Rainfall or sprinkler irrigation is needed to move DPX-E9636 25DF into the soil. Susceptible weeds will generally not emerge from preemergence application. In some cases susceptible weeds may germinate and emerge a few days after application, but growth then ceases and leaves become chlorotic three to five days after emergence. Death of leaf tissue and growing point will follow in some species, while others will remain green but stunted and noncompetitive.

The herbicidal action of DPX-E9636 25DF may be less effective on weeds stressed from adverse environmental conditions (such as extreme temperatures or moisture), abnormal soil conditions, or cultural practices.

**DPX-E9636 25DF ROTATIONAL CROP GUIDELINES**

The following rotational intervals should be observed when using DPX-E9636 25DF:

**1 OZ MAXIMUM USE RATE**

Rotation Crop	Interval (months)
Corn, field	Anytime
Potatoes	Anytime
Tomato	1
Cereals, Winter (wheat)	4
Cereals, Spring (wheat, oats, barley)	9
Alfalfa*†	10
Cotton†	10
Canola†	10
Rice **	10
Red Clover†	10
Sorghum†	10
Corn, pop or sweet	10
Soybeans	10
Snap beans, dry beans	10
Sunflower	10
Sugarbeets†	10
Crops Not Listed	18

- \* On sprinkler irrigated fields in Idaho, Utah, and Northern Nevada it is best to use deep fall tillage such as plowing prior to planting alfalfa. Product degradation may be less on furrow irrigated soils and may result in some crop injury.
- † Rotational intervals should be extended to 18 months if drought conditions prevail after application and before the rotational crop is planted, unless sprinkler irrigation has been applied and totals greater than 15" during the growing season.

\*\*For soils with pH less than 6.5.

**2 OZ MAXIMUM USE RATE**

Rotation Crop	Interval (months)
Corn, field	Anytime
Potatoes	Anytime
Tomato	1
Cereals, Winter (wheat)	4
Cereals, Spring (wheat, oats, barley)	9
Corn (pop or sweet)	10
Soybeans	10
Snap beans, dry beans	10
Sunflower	10
Crops Not Listed	18

**SPRAYER PREPARATION/CLEANUP**

It is important that spray equipment is clean and free of previous pesticide deposits before using DuPont™ DPX-E9636 25DF and then properly cleaned out following application. Clean all application equipment before applying DPX-E9636 25DF. 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 DPX-E9636 25DF, thoroughly clean all mixing and spray equipment to avoid subsequent crop injury.

**Note :**

- When cleaning spray equipment before applying DPX-E9636 25DF, 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 DPX-E9636 25DF, 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.

**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.

**BOOM HEIGHT**

Set the boom at the lowest height that provides uniform coverage and 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 APPLICATIONS DURING 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.



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### **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.

### **AIR-ASSISTED (AIR BLAST) FIELD CROP SPRAYERS**

Air-assisted field crop sprayers carry droplets to the target via a downward-directed airstream. Some may reduce the potential for drift, but if a sprayer is unsuitable for the application and/or set up improperly, high drift potential can result. It is the responsibility of the applicator to determine that a sprayer is suitable for the intended application and is configured properly, and that drift is not occurring.

### **INTEGRATED PEST MANAGEMENT**

This product may be used as part of an Integrated Pest Management (IPM) program that can include biological, cultural, and genetic practices aimed at preventing economic pest damage. IPM principles and practices include 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.

### **RESISTANCE**

When herbicides that affect the same biological site of action are used repeatedly over several years to control the same weed species in the same field, naturally-occurring resistant biotypes may survive a correctly applied herbicide treatment, propagate, and become dominant in that field. Adequate control of these resistant weed biotypes cannot be expected. If weed control is unsatisfactory, it may be necessary to retreat the problem area using a product affecting a different site of action.

To better manage herbicide resistance through delaying the proliferation and possible dominance of herbicide resistant weed biotypes, it may be necessary to change cultural practices within and between crop seasons such as using a combination of tillage, retreatment, tank-mix partners and/or sequential herbicide applications that have a different site of action. Weed escapes that are allowed to go to seed will promote the spread of resistant biotypes.

It is advisable to keep accurate records of pesticides applied to individual fields to help obtain information on the spread and dispersal of resistant biotypes. Consult your agricultural dealer, consultant, applicator, and/or appropriate state agricultural extension service representative for specific alternative cultural practices or herbicide recommendations available in your area.

### **SOIL INSECTICIDE INTERACTION INFORMATION**

DuPont™ DPX-E9636 25DF may interact with certain insecticides previously applied to the crop. Crop response varies with field corn type, insecticide used, insecticide application method, and soil type.

DPX-E9636 25DF may be applied to corn previously treated with "Fortress", "Aztec", or "Force" insecticides or nonorganophosphate (OP) soil insecticides regardless of soil type.

- DO NOT APPLY DPX-E9636 25DF to corn previously treated with "Counter" 15G or to corn treated with "Counter" 20CR in furrow or over the row at cultivation.
- Applications of DPX-E9636 25DF to corn previously treated with "Counter" 20 CR, "Lorsban", or "Thimet" may cause unacceptable crop injury, especially on soils of less than 4% organic matter.

### **PRECAUTIONS**

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

- Do not apply DPX-E9636 25DF 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 or spray to desirable plants.
- Do not contaminate any body of water.
- Thoroughly clean application equipment immediately after use. (See Sprayer Cleanup section of this label for instructions).

Crop injury may occur following an application of DPX-E9636 25DF if there is a prolonged period of cold weather and/or in conjunction with wet soils.

Do not graze, feed forage, grain or fodder (stover) from treated areas to livestock within 30 days of DPX-E9636 25DF application.

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**STORAGE AND DISPOSAL**

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

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

**Container Disposal: For Plastic Containers:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke. **For Fiber Sacks:** Completely empty fiber sack by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into manufacturing or application equipment. Then dispose of sack in a sanitary landfill or by incineration if allowed by State and local authorities. **For Fiber Drums With Liners:** Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then dispose of liner in a sanitary landfill or by incineration if allowed by State and local authorities. If drum is contaminated and cannot be reused, dispose of in the same manner. **For Bags Containing Water Soluble Packets:** Do not reuse the outer box or the resealable plastic bag. 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 burned, stay out of smoke. If the resealable plastic 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.

**For Metal Containers (non aerosol):** Triple rinse (or equivalent) the container. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities. **For Paper and Plastic Bags:** 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.

When packaged in returnable and/or refillable containers: Return the container clean and empty to the place of business from which this product was purchased.

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