**AS Thifensulfuron 50**

**herbicide**

**Product Information**

AS Thifensulfuron 50 is a selective pre-emergence herbicide for the control of annual and perennial grasses, and broadleaf weeds in a number of crops. It is active against a wide range of weeds and is effective in controlling both emerged and emerged weeds. It is applied in a tank mix with a crop oil concentrate or a commercial surfactant at 0.25% v/v for optimal performance.

**Restrictions**

- Do not apply to fields with a history of persistent clippings or stubble.
- Apply before weeds have emerged or control may be lost.
- Do not apply to areas that will be used for hay or forage in the same growing season.
- Do not apply to areas that will be used for seed production.

**Precautions**

- Use only products labeled for the intended use.
- Read and follow all label instructions for application.
- Do not contaminate water when cleaning equipment or disposing of washables.
- Follow all label directions for use.

**Soybeans**

**Application Timing**

- Apply at the 1-5 leaf stage of soybeans, but no later than 2-6 leaf stage.
- Do not apply to soybeans that will be used for seed production.
- Do not apply with tank mixes containing organophosphates or carbamates.

**Use Rates in Soybeans**

- For annual broadleaf weeds, apply at 0.75 lbs ai/acre.
- For perennial broadleaf weeds, apply at 1.0 lbs ai/acre.
- For annual grass weeds, apply at 1.0 lbs ai/acre.

**Spray Additives**

- For effective weed control, use a crop oil concentrate at 1% v/v or a commercial surfactant at 0.25% v/v.

**Biological Activity and Environmental Conditions**

- This product is effective in controlling a wide range of annual and perennial weeds.
- It is effective in controlling weeds in a variety of environmental conditions.

**Tank Mixtures in Soybeans**

- Do not tank mix with organophosphates or carbamates.
- Do not tank mix with systemic postemergence herbicides.

**Weeds Controlled**

- Annual and perennial broadleaf weeds:
  - Jocko
  - Jimsonweed
  - Jimsonweed

**Weed Resistance Management**

- Use this product in a rotational sequence with other post-emergence herbicides.
- Do not use the same herbicide at the same location for 2 years in a row.
- Rotate this product with other post-emergence herbicides to reduce the risk of resistance.

**Environmental Hazards**

- This product is not recommended for use in aquatic environments.
- Keep out of reach of children and livestock.

**Personal Protective Equipment (PEP)**

- Wear gloves and protective clothing.

**User Safety Recommendations**

- Wear proper protective clothing and use a respirator with proper filter.

**Integrated Pest Management**

- This product is effective in controlling a wide range of weeds.
- It is effective in controlling weeds in a variety of environmental conditions.

**Directions for Use**

- Apply according to the label instructions for optimal performance.

**Agricultural Use Requirements**

- This product is restricted to use by handlers of this product. Only handlers of this product may apply this product.

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**TABLE: Weed Resistance Management**

<table>
<thead>
<tr>
<th>Weed Species</th>
<th>Maximum Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>Annual Smarts</td>
<td>6</td>
</tr>
<tr>
<td>Jimsonweed</td>
<td>4</td>
</tr>
<tr>
<td>Annual Broadleaf</td>
<td>8</td>
</tr>
<tr>
<td>Other Species</td>
<td>8</td>
</tr>
</tbody>
</table>

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**TABLE: Environmental Conditions**

- This product is effective in controlling a wide range of weeds. It is effective in controlling weeds in a variety of environmental conditions.

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**TABLE: Soybeans Application Timing**

- Apply at the 1-5 leaf stage of soybeans, but no later than 2-6 leaf stage.
- Do not apply to soybeans that will be used for seed production.
- Do not apply with tank mixes containing organophosphates or carbamates.

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**TABLE: Soybeans Use Rates**

- For annual broadleaf weeds, apply at 0.75 lbs ai/acre.
- For perennial broadleaf weeds, apply at 1.0 lbs ai/acre.
- For annual grass weeds, apply at 1.0 lbs ai/acre.

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**TABLE: Spray Additives**

- For effective weed control, use a crop oil concentrate at 1% v/v or a commercial surfactant at 0.25% v/v.
WEEDS CONTROLLED

TANK MIXTURES IN FIELD CORN

- Common chickweed
- Cress (mouse-ear)
- Deadnettle (purple, red)
- Henbit
- Mouseear chickweed
- Miners lettuce
- Pennsylvania smartweed
- Swinecress
- Volunteer peas
- Volunteer lentils

**Safflower**

- Common buckwheat
- Chickpursley
- Both

**Kochia**†

- Kochia
- Russian thistle
- Trailing amaranth
- Volunteer barley

\* See "SPECIFIC WEED INSTRUCTIONS" for more information.

**Burndown - Pre-Plant, Post Harvest, and Fallow Applications**

- Com cress
- Deadnettle (purple, red)
- Henbit
- Mouseear chickweed
- Miners lettuce
- Pennsylvania smartweed
- Swinecress
- Volunteer peas
- Volunteer lentils

**SPECIFIC WEED INSTRUCTIONS**

- Tank mixture of 0.9 ounce AS Thifensulfuron 50 and 5.0 gallons glyphosate per acre at 2 lb a.e. plus surfactant either in the fall or spring to wild radish rosettes less than 6 inches of new growth. For severe infestations, use the 0.9 ounce per acre rate of AS Thifensulfuron 50 of these weeds are known to occur. For best results, apply 0.75 to 0.9 ounce AS Thifensulfuron 50 per acre and include a tank mix of 2.0 lb/gal glyphosate at 1/2 lb a.e. plus surfactant for best results.

**Product Application Information**

**Product Measurement**

- Spray Adjuvants
- Continuous agitation may be required to keep tank-mix partners in solution or to avoid separation. Use the built-in adjuvant system provided in the tank mix. Use only DuPont recommended tank-mix partners. Check labeling for specific details.

**Spray Adjuvants**

- A combination adjuvant product may be used at doses that provide the required coverage when crop canopy is dense. Avoid swath overlapping, and shut off spray equipment between rows when necessary. Use the built-in adjuvant system provided in the tank mix. Use only DuPont recommended tank-mix partners. Check labeling for specific details.

**Mixing Instructions**

- For spraying in a tank-mix with DuPont glyphosate products, refer to the glyphosate manufacturer’s label for specific ammonium nitrogen requirements. Build-in adjuvant systems. Glyphosate products differ in their adjuvant built-in adjuvant system. Use the built-in adjuvant system provided in the tank mix. Use only DuPont recommended tank-mix partners. Consult separate DuPont technical bulletins for literature for use rates and restrictions.

**Application Method**

- For best results, apply 0.75 to 0.9 ounce AS Thifensulfuron 50 per acre and include a tank mix of 2.0 lb/gal glyphosate at 1/2 lb a.e. plus surfactant. For worst results, apply 0.75 to 0.9 ounce AS Thifensulfuron 50 per acre and include a tank mix of 2.0 lb/gal glyphosate at 1/2 lb a.e. plus surfactant for best results.

**Spray Equipment**

- To the nearest edge of fields. Refer to SPRAY DRIFT MANAGEMENT section of this label. For spraying in a tank-mix with DuPont glyphosate products, refer to the glyphosate manufacturer’s label for specific ammonium nitrogen requirements. Build-in adjuvant systems. Glyphosate products differ in their adjuvant built-in adjuvant system. Use the built-in adjuvant system provided in the tank mix. Use only DuPont recommended tank-mix partners. Consult separate DuPont technical bulletins for literature for use rates and restrictions.

**Burndown Band Application**

- Remove the nozzles and screens and clean separately in a bucket containing solution as a substitute for surfactant. Antifoaming agents may be used if needed. Continuous agitation may be required to keep tank-mix partners in solution or to avoid separation. Use the built-in adjuvant system provided in the tank mix. Use only DuPont recommended tank-mix partners. Check labeling for specific details.

**Storage and Disposal**

- For product information call: 1-888-6-DUPONT [1-888-638-7668]

-Do not burn, unless allowed by law. Consult separate DuPont technical bulletins for literature for use rates and restrictions.
THIS UNIT IS NOT FOR RESALE. FOR DISPENSING INTO DEDICATED CONTAINERS ONLY.

Soluble Granule

By Weight

<table>
<thead>
<tr>
<th>Active Ingredient</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thifensulfuron methyl</td>
<td>100%</td>
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</tbody>
</table>

Other Ingredients -

EPA Reg. No. 352-205

EPA Est. 352-IL-001

EPA Reg. No. 352-925

<table>
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<th>By Weight</th>
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</thead>
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<td>50%</td>
</tr>
<tr>
<td>50%</td>
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<tr>
<td>100%</td>
</tr>
</tbody>
</table>

KEEP OUT OF REACH OF CHILDREN

CAUTION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand this label, find someone to explain it to you in detail.)

FIRST AID

If skin or clothing is contaminated, remove contaminated clothing immediately and wash with plenty of water for at least 15 minutes. Call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a poison control center or doctor.

YOU MAY ALSO CONTACT 1-800-441-3637 FOR EMERGENCY MEDICAL TREATMENT INFORMATION.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

You may also contact 1-800-441-3637 for emergency medical treatment information.

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants.
- Chemical resistant gloves made of any waterproof material such as polyethylene or polyvinyl chloride.

Follow manufacturer’s instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Rinse with clean water, separately from other laundry.

Engine Control Statement: When handles use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR 170.240(a)(4)-(6)), the handler PPE requirements may be reduced or modified as specified in the WPS.

IMPORTANT: When reduced PPE is worn because a closed system is being used, handlers must be provided an adequate PPE level specified above for “Applicants and Other Handlers” and have such PPE immediately available for use in an emergency, such as a spill or equipment breakdown.

ENVIRONMENTAL HAZARDS

- This product has the potential to move off-site due to wind erosion. Soils that are subject to wind erosion usually have a high silt and/or fine to very fine sand fractions and low organic matter content. Other factors which can affect the movement of windblown soil include the intensity and direction of prevailing winds, vegetative cover, soil slope, rainfall, and drainage patterns. Avoid applying this product if prevailing local conditions may be expected to result in off-site movement.

Non-target Organism Advisory - This product is toxic to plants and may adversely impact the forage and habitat of non-target organisms, including pollinators, in areas adjacent to the treated area. Protect the forage and habitat of non-target organisms by minimizing spray drift. For further guidance and instructions on how to minimize spray drift, refer to the Spray Drift Management section of this label.

STORAGE AND DISPOSAL

Do not contaminate water sources.

Pesticide Disposal: Waste resulting from the use of this product must be disposed of on site or at an approved off-site disposal facility.

CONTAINER HANDLING: Refer to the Net Contents section of this product’s labeling for the applicable “Nonrefillable Container” or “Refillable Container” designation.

Refillable Fiber Drum With Liners: Reusable container (fiber drum only). Refill Fiber Drum: Refill fiber drum with AS THIFENSULFURON 50 herbicide containing thifensulfuron methyl only. Do not reuse this fiber drum for any other purpose. Clearing before refill is the responsibility of the refiller. Completely empty liner by shaking and tapping sides and bottom to loosen clipping particles. Empty residue into application or manufacturing equipment. Disposing of Fiber Drum and/or Liner: Do not reuse this fiber drum for any other purpose other than refilling (see preceding). Cleaning the container (liner and/or fiber drum) before final disposal is the responsibility of the person disposing of the container. Offer the liner for recycling if available or dispose of in a sanitary landfill, or by incineration. Do not burn, unless allowed by state and local ordinances. If drum is contaminated and cannot be reused, dispose of it in the manner required by the state or local authority for incineration. To clean the fiber drum before final disposal, completely empty the fiber drum by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application or manufacturing equipment. Then offer the drum for recycling if available or dispose of in a sanitary landfill, or by incineration. Do not burn, unless allowed by state and local ordinances.

All Other Refillable Containers: Reusable container. Refill Container: this container with AS THIFENSULFURON 50 herbicide containing thifensulfuron methyl only. Do not reuse this container for any other purpose. Clearing before refill is the responsibility of the refiller. Prior to refilling, inspect carefully for damage such as cracks, punctures, abrasions, worn out threads and closures device. If damage is found, do not use the container, contact DuPont at the number below for instructions. Check for leaks after refilling and before transporting. If leaks are found, do not reuse or transport container, contact DuPont at the number below for instructions. Disposing of Container: Do not reuse this container for any other purpose other than refilling (see preceding). Cleaning the container before final disposal is the responsibility of the person disposing of the container. To clean the container before final disposal, use the following rinsing procedure. Insert a lanced fit with a suitable tank cleaning nozzle into the container to ensure that the water spray thoroughly covers the top, bottom and all sides inside the container. The nozzle manufacturer generally provides instructions for the appropriate spray pressure, spray duration and/or spray volume. If the manufacturer’s instructions are not available, pressure rinse the container for at least 60 seconds using a minimum of 30 PSI (207 kPa) with sufficient volume to clean all inside surfaces of the container volume. Drain, pour or pump rinse into application equipment or rinse collection system. Reset this rinsing procedure two times more. Then, for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill. For Fiber Drums, place in original container only. Store in a cool, dry place.

Do not transport if this container is damaged or leaking. If the container is damaged, leaking or obsolete, or in the event of a major spill, fire or other emergency, contact DuPont at 1-800-441-3637, day or night.

AS Thifensulfuron 50

HERBICIDE

E. I. du Pont de Nemours and Company, Chestnut Run Plaza, 974 Centre Road, Wilmington, DE 19805 U.S.A.

Made in U.S.A.
THIS UNIT IS NOT FOR RESALE. FOR DISPENSING INTO DEDICATED CONTAINERS ONLY.

Soluble Granule

A10008372

Made in U.S.A.

EPA R eg. N o. 3 5 2 -92 5
EPA Est. 3 5 2 -IL-001

KEEP OUT OF REACH OF CHILDREN

CAUTION

FIRST AID

In or 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. Have the product container or label with you when calling a poison center. If on the eyes: Wash them out thoroughly with cool running water. Consult a physician if irritation persists. If inhaled: Remove to fresh air. If breathing difficulty occurs, give artificial respiration. If swallowed: Do not induce vomiting. Give nothing by mouth. Call a physician promptly. For additional information, contact 1-800-441-3637 for emergency medical treatment information.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Avoid contact with eyes, skin, or clothing. Wash thoroughly with soap and water after handling.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants.
- Chemical resistant gloves made of any waterproof material such as polyethylene or polyvinyl chloride. The handler PPE requirements may be reduced or modified as specified in the WPS.
- Shoes plus socks.

If on skin or clothing:

- Remove and wash immediately with soap and water or cool running water.
- For any other purpose other than refilling (see preceding). Cleaning the container (liner and fiber drum) before final disposal is the responsibility of the person disposing of the container. Offer the liner for recycling if available or dispose of in a sanitary landfill, or by incineration. Do not burn, unless allowed by state and local ordinances. Do not burn, unless allowed by state and local ordinances. Do not contaminate water when cleaning equipment or disposing of equipment washwaters or rinsate. 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 cleaning equipment or disposing of equipment washwaters or rinsate. Do not apply where conditions favor runoff.

Environmental Hazards

- This product may impact surface water quality due to runoff or rain wash. This is especially true for poorly draining soils and soils with shallow ground water. This product is classified as having high potential for machining surface water via runoff for several days or more after application. A level, well-maintained vegetative barrier strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will help reduce risk. Do not allow runoff of water from the application area during rainfall. Do not apply at rates greater than or equal to 50.8 L(14 gal) of product per hectare.

Wind/Window Soil Exposure - This product has the potential to move off-site due to wind erosion. Soils that are subject to wind erosion usually have a high silt and/or fine to very fine sand fractions and low organic matter content. Other factors which can affect the movement of windblown soil include the intensity and direction of prevailing winds, vegetative cover, site slope, rainfall, and drainage patterns. Avoid applying this product if prevailing local conditions may be expected to result in off-site movement.

Non-target Organism Advisory - This product is toxic to plants and may adversely impact the forage and habitat of non-target organisms, including pollinators, in areas adjacent to the treated area. Protect the forage and habitat of non-target organisms in the vicinity of the spray drift. For further guidance and instructions on how to minimize spray drift, refer to the Spray Drift Management section of this label.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

Pesticide Disposal: Waste resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

CONTAINER HANDLING: Refer to the Net Contents section of this product’s labeling for the applicable “Refillable Container” or “Refillable Container” designation.

Refillable Fiber Drum With Liners: Refillable fiber container (fiber drum only). Refill fiber Drum: Refill the fiber drum with AS THIFENSULFURON 50 herbicide containing thifensulfuron methyl only. Do not reuse this container for any other purpose. Before refilling, review the label of the product. Completely empty the fiber drum by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application or manufacturing equipment. Disposing of Drum and/or Fiber: Do not reuse this fiber drum for any other purpose other than refilling (see preceding). Cleaning the container (liner and fiber drum) before final disposal is the responsibility of the person disposing of the container. Offer the container for recycling if available or dispose of in a sanitary landfill, or by incineration. Do not burn, unless allowed by state and local ordinances.

All Other Refillable Containers: Refillable container. Refill Container: This container with AS THIFENSULFURON 50 herbicide containing thifensulfuron methyl only. Do not reuse this container for any other purpose other than refilling (see preceding). Cleaning the container before final disposal is the responsibility of the person disposing of the container. To clean the container before final disposal, use the following rinsing procedure. Insert a lance fitted with a suitable tank cleaning nozzle into the container and ensure that the water spray thoroughly covers the top, bottom and all sides inside the container. The nozzle manufacturer generally provides instructions for the appropriate spray pressure, spray duration and/or spray volume. If the manufacturer’s instructions are not available, pressure rinse the container for at least 60 seconds using a minimum pressure of 30 PSI with an appropriate volume of 22.7% of the container volume. Drain, pour or rinse residue into application equipment or rinsate collection system. Rinse residue. Do not use the container for any other purpose other than refilling (see preceding).

Applicators and Other Handlers must wear:

- Long-sleeved shirt and long pants.
- High-soled, non-slip shoes. The shoes must be made of any waterproof material such as polyethylene or polyvinyl chloride. If the container is damaged and cannot be reused, dispose of it in the manner required for its liner. To clean the fiber drum before final disposal, completely empty the fiber drum by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application or manufacturing equipment. Then offer the fiber drum for recycling if available or dispose of in a sanitary landfill, or by incineration. Do not burn, unless allowed by state and local ordinances.

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants.
- Chemical resistant gloves made of any waterproof material such as polyethylene or polyvinyl chloride. The handler PPE requirements may be reduced or modified as specified in the WPS.
- Shoes plus socks.

Important: When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified above for “Applicators and Other Handlers” and have such PPE immediately available for use in an emergency, such as a spill or equipment breakdown.

USERS SHOULD: Wash hands before eating, drinking, chewing gum, using tobacco or the toilet. Remove clothing/PPE immediately if gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately, after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Typically, the product may move off-site due to wind erosion. Soils that are subject to wind erosion usually have a high silt and/or fine to very fine sand fractions and low organic matter content. Other factors which can affect the movement of windblown soil include the intensity and direction of prevailing winds, vegetative cover, site slope, rainfall, and drainage patterns. Avoid applying this product if prevailing local conditions may be expected to result in off-site movement.

Non-target Organism Advisory - This product is toxic to plants and may adversely impact the forage and habitat of non-target organisms, including pollinators, in areas adjacent to the treated area. Protect the forage and habitat of non-target organisms in the vicinity of the spray drift. For further guidance and instructions on how to minimize spray drift, refer to the Spray Drift Management section of this label.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants.
- Chemical resistant gloves made of any waterproof material such as polyethylene or polyvinyl chloride.

Following manufacturer’s instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Wash separately from other laundry.

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

Important: When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified above for “Applicators and Other Handlers” and have such PPE immediately available for use in an emergency, such as a spill or equipment breakdown.

USERS SHOULD: Wash hands before eating, drinking, chewing gum, using tobacco or the toilet. Remove clothing/PPE immediately if gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately, after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVI R ONMENTAL 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 cleaning equipment or disposing of equipment washwaters or rinsate. Do not apply where conditions favor runoff.

Grain/Seed Advisory - This product has properties and characteristics associated with chemicals detected in groundwater. This product may leach into groundwater if used in areas where soils are permeable, particularly where the water table is shallow. Surface Water Advisory - This product may impact surface water quality due to runoff of rain water. This is especially true for poorly draining soils and soils with shallow ground water. This product is classified as having high potential for machining surface water via runoff for several days or more after application. A level, well-maintained vegetative barrier strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will help reduce risk. Do not allow runoff of water from the application area during rainfall. Do not apply at rates greater than or equal to 50.8 L(14 gal) of product per hectare.

Wind/Window Soil Exposure - This product has the potential to move off-site due to wind erosion. Soils that are subject to wind erosion usually have a high silt and/or fine to very fine sand fractions and low organic matter content. Other factors which can affect the movement of windblown soil include the intensity and direction of prevailing winds, vegetative cover, site slope, rainfall, and drainage patterns. Avoid applying this product if prevailing local conditions may be expected to result in off-site movement.

Non-target Organism Advisory - This product is toxic to plants and may adversely impact the forage and habitat of non-target organisms, including pollinators, in areas adjacent to the treated area. Protect the forage and habitat of non-target organisms in the vicinity of the spray drift. For further guidance and instructions on how to minimize spray drift, refer to the Spray Drift Management section of this label.

E. I. du Pont de Nemours and Company, Chestnut Run Plaza, 974 Centre Road, Wilmington, DE 19805 USA A10008372

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