



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

August 24, 2020

Shannon Whitlock  
Corteva Agriscience  
Chestnut Run Plaza LR735/4160-8  
974 Centre Road  
Wilmington, DE 19805

Subject: Registration Review Label Mitigation for Tribenuron and Thifensulfuron-methyl/Notification – Alternate Brand Names  
Product Name: DuPont Afforia Herbicide  
EPA Registration Number: 352-889  
Application Date: December 11, 2019  
Decision Numbers: 558157; 564660; 564661

Dear Ms. Whitlock:

The Agency, in accordance with the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, has completed reviewing all of the information submitted with your application to support the Registration Review of the above referenced product in connection with the 22 Sulfonylurea (SU) Interim Decision, and has concluded that your submission is acceptable. The agency also completed review of your amended label referred to above, submitted in connection with registration under FIFRA, as amended, and has determined the label is also acceptable.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. Products shipped after 12 from the date of this amendment must bear the new revised label. Your release for shipment of the product bearing the amended label constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6.

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EPA Reg. No. 352-889  
Decision No. 558157; 564660; 564661

If you have any questions about this letter, please contact BeWanda Alexander at (703)347-0313 or by email at [alexander.bewanda@epa.gov](mailto:alexander.bewanda@epa.gov).

Sincerely,

A handwritten signature in black ink that reads "Aswathy Balan". The signature is written in a cursive style with a horizontal line extending to the left of the first letter.

Aswathy Balan, Product Manager 24 (Acting)  
Fungicide and Herbicide Branch,  
Registration Division (7505P)

Enclosure

(Base label):

|                        |       |    |           |
|------------------------|-------|----|-----------|
| FLUMIOXAZIN            | GROUP | 14 | HERBICIDE |
| THIFENSULFURION-METHYL | GROUP | 2  | HERBICIDE |
| TRIBENURON-METHYL      | GROUP | 2  | HERBICIDE |

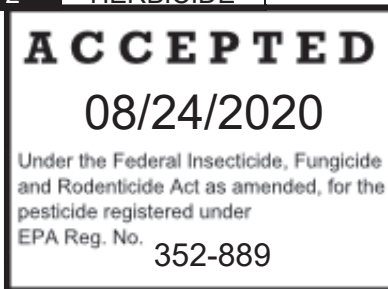
# DuPont™ Afforia®

[Alternate Brand Name: Afforia]

HERBICIDE

*For control and suppression of certain weeds in Soybeans and Fallow Land*

*Dispersible Granules*



| Active Ingredient                                                                                                                 | By Weight |
|-----------------------------------------------------------------------------------------------------------------------------------|-----------|
| Flumioxazin<br>2-[7-fluor-3,4-dihydro-3-oxo-4-(2-propynyl)-2H-1,4-benzoxazin-6-yl]-4,5,6,7-tetrahydro-1H-isoindole-1,3(2H)-dione  | 40.8%     |
| Thifensulfuron methyl<br>Methyl 3-[[[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)amino]carbonyl]amino]sulfonyl]-2-thiophenecarboxylate | 5.0%      |
| Tribenuron-methyl<br>Methyl 2-[[[N-(4-methoxy-6-methyl-1,3,5-triazin-2-yl)methylamino]carbonyl]amino]sulfonyl]benzoate            | 5.0%      |
| <b>Other Ingredients</b>                                                                                                          | 49.2%     |
| Total                                                                                                                             | 100.0%    |

**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.)

### Precautionary Statements

#### Hazards to Humans and Domestic Animals

## CAUTION

**Harmful if absorbed through skin • Causes moderate eye irritation • Harmful if inhaled • Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.**

Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Avoid breathing dust. Remove and wash contaminated clothing before reuse.

### PERSONAL PROTECTIVE EQUIPMENT (PPE)

**Mixers, loaders, applicators, and other handlers must wear:**

- Long-sleeved shirt and long pants
- Chemical resistant gloves made of any water proof material including polyethylene or polyvinylchloride
- Shoes plus socks

Discard clothing and other absorbent material that have been drenched or heavily contaminated with the product.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exists, 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 170.240 (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, including a spill or equipment breakdown.

### USER SAFETY RECOMMENDATIONS

#### USERS SHOULD:

- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

### STORAGE AND DISPOSAL

**Pesticide 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.

**Pesticide Disposal:** **DO NOT** contaminate water, food, or feed by 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 "Nonrefillable Container" or "Refillable Container" designation.

#### **Nonrefillable Plastic and Metal Containers (Capacity Equal to or Less Than 50 Pounds):**

Nonrefillable container. **DO NOT** reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then, for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration. **DO NOT** burn, unless allowed by state and local ordinances. For Metal Containers, offer for recycling if available or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

#### **Nonrefillable Plastic and Metal Containers (Capacity Greater Than 50 Pounds):**

Nonrefillable container. **DO NOT** reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then, for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration. **DO NOT** burn, unless allowed by state and local ordinances. For Metal Containers, offer for recycling if available or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

**Nonrefillable Plastic and Metal Containers, e.g., Intermediate Bulk Containers [IBC] (Size or Shape Too Large to be Tipped, Rolled or Turned Upside Down):** Nonrefillable container. **DO NOT** reuse or refill this container. Clean container promptly after emptying the contents from this container into application equipment or mix tank and before final disposal using the following pressure 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 a minimum rinse volume of 10% of the container volume. Drain, pour or pump rinsate into application equipment or rinsate collection system. Repeat this pressure rinsing procedure two more times. Then, for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration. For Metal Containers, offer for recycling if available or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

**Nonrefillable Paper or Plastic Bags, Fiber Sacks including Flexible Intermediate Bulk Containers (FIBC) or Fiber Drums With Liners:** Nonrefillable container. **DO NOT** reuse or refill this container. Completely empty paper or plastic bag, fiber sack or drum liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application or manufacturing equipment. Then offer for recycling if available or dispose of empty paper or plastic bag, fiber sack or fiber drum and liner in a sanitary landfill, or by incineration. **DO NOT** burn, unless allowed by state and local ordinances.

**Refillable Fiber Drums With Liners:** Refillable container (fiber drum only). Refilling Fiber Drum: Refill this fiber drum with AFFORIA® herbicide containing flumioxazin, thifensulfuron methyl and tribenuron methyl only. **DO NOT** reuse this fiber drum for any other purpose. Cleaning before refilling is the responsibility of the refiller. Completely empty liner by shaking and tapping sides and bottom to loosen clinging 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 liner 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 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.

**All Other Refillable Containers:** Refillable container. Refilling Container: Refill this container with AFFORIA® herbicide containing flumioxazin, thifensulfuron methyl and tribenuron methyl only. **DO NOT** reuse this container for any other purpose. Cleaning before refilling is the responsibility of the refiller. Prior to refilling, inspect carefully for damage including cracks, punctures, abrasions, worn out threads and closure devices. 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 pressure 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 a minimum rinse volume of 10% of the container volume. Drain, pour or pump rinsate into application equipment or rinsate collection system. Repeat this pressure rinsing procedure two more times. Then, for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration. **DO NOT** burn, unless allowed by

state and local ordinances. For Metal Containers, offer for recycling if available or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

**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.

**Refer to inside of label booklet for additional precautionary information and Directions for Use.**

NOTICE TO BUYER: Purchase of this material does not confer any rights under patents of countries outside of the United States.

In case of emergency endangering health or the environment involving this product, call: 1-800-441-3637

Agricultural Chemical: **DO NOT** ship or store with food, feeds, drugs, or clothing.

EPA Reg. No. 352-889

EPA Est. No. \_\_\_\_\_

®™ Trademarks of Dow AgroSciences, DuPont or Pioneer and their affiliated companies or respective owners

**For product information call: 1-800-258-3033**

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

**NET CONTENTS \_\_\_\_\_**

(Cover/Shipping Label):

|                        |       |    |           |
|------------------------|-------|----|-----------|
| FLUMIOXAZIN            | GROUP | 14 | HERBICIDE |
| THIFENSULFURION-METHYL | GROUP | 2  | HERBICIDE |
| TRIBENURON-METHYL      | GROUP | 2  | HERBICIDE |

## DuPont™ Afforia®

[Alternate Brand Name: Afforia]

HERBICIDE

*For control and suppression of certain weeds in Soybeans and Fallow Land*

### Dispersible Granules

| Active Ingredient                                                                                                                      | By Weight |
|----------------------------------------------------------------------------------------------------------------------------------------|-----------|
| Flumioxazin<br>2-[7-fluor-3,4-dihydro-3-oxo-4-(2-propynyl)-2H-1,4-benzoxazin-6-yl]-<br>4,5,6,7-tetrahydro-1H-isoindole-1,3(2H)-dione   | 40.8%     |
| Thifensulfuron methyl<br>Methyl 3-[[[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)amino]carbonyl]<br>amino]sulfonyl]-2- thiophenecarboxylate | 5.0%      |
| Tribenuron-methyl<br>Methyl 2-[[[N-(4-methoxy-6-methyl-1,3,5-triazin-2-<br>yl)methylamino]carbonyl]amino]sulfonyl]benzoate             | 5.0%      |
| <b>Other Ingredients</b>                                                                                                               | 49.2%     |
| Total                                                                                                                                  | 100.0%    |

**Keep Out of Reach of Children**

## CAUTION

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**NET CONTENTS \_\_\_\_\_**

(Page 1 through end):

### FIRST AID

**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 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 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.

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.

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## Precautionary Statements

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### Hazards to Humans and Domestic Animals

## CAUTION

**Harmful if absorbed through skin • Causes moderate eye irritation • Harmful if inhaled • Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.**

Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Avoid breathing dust. Remove and wash contaminated clothing before reuse.

### PERSONAL PROTECTIVE EQUIPMENT (PPE)

**Mixers, loaders, applicators, and other handlers must wear:**

- Long-sleeved shirt and long pants
- Chemical resistant gloves made of any water proof material including polyethylene or polyvinylchloride
- Shoes plus socks

Discard clothing and other absorbent material that have been drenched or heavily contaminated with the product.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exists, 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 170.240 (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, including a spill or equipment breakdown.



**USER SAFETY RECOMMENDATIONS****USERS SHOULD:**

- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**ENVIRONMENTAL HAZARDS**

This product is toxic to non-target plants and aquatic invertebrates. **DO NOT** apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Drift or runoff may be hazardous to non-target plants and aquatic organisms in neighboring areas. **DO NOT** apply where runoff is likely to occur. **DO NOT** apply when weather conditions favor drift from treated areas. **DO NOT** contaminate water when cleaning equipment or disposing of equipment washwaters or rinsate.

**Groundwater 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 reaching surface water via runoff for several weeks or more after application. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features including ponds, streams, and springs will reduce the potential loading of this product from runoff water and sediment. Runoff of this product will be greatly reduced by avoiding applications when rainfall or irrigation is expected to occur within 48 hours.

**Windblown Soil Particles Advisory**

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 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.

**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.

AFFORIA®, must be used only in accordance with instructions on this label, or as otherwise permitted by FIFRA. Always read the entire label, including the Limitation of Warranty and Liability.

### **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, including plants, soil, or water, is:

- Coveralls
- Chemical resistant gloves made of any water proof material including polyethylene or polyvinylchloride
- Shoes plus socks

### **STORAGE AND DISPOSAL**

**Pesticide 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.

**Pesticide Disposal:** **DO NOT** contaminate water, food, or feed by 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 "Nonrefillable Container" or "Refillable Container" designation.**

**Nonrefillable Plastic and Metal Containers (Capacity Equal to or Less Than 50 Pounds):** Nonrefillable container. **DO NOT** reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then, for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration. **DO NOT** burn, unless allowed by state and local ordinances. For Metal Containers, offer for recycling if available or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

**Nonrefillable Plastic and Metal Containers (Capacity Greater Than 50 Pounds):** Nonrefillable container. **DO NOT** reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then, for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration. **DO NOT** burn, unless allowed by state and local ordinances. For Metal Containers, offer for recycling if available or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

**Nonrefillable Plastic and Metal Containers, e.g., Intermediate Bulk Containers [IBC] (Size or Shape Too Large to be Tipped, Rolled or Turned Upside Down):** Nonrefillable container. **DO NOT** reuse or refill this container. Clean container promptly after emptying the contents from this container into application equipment or mix tank and before final disposal using the following pressure 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 a minimum rinse volume of 10% of the container volume. Drain, pour or pump rinsate into application equipment or rinsate collection system. Repeat this pressure rinsing procedure two more times. Then, for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration. For Metal Containers, offer for recycling if available or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

**Nonrefillable Paper or Plastic Bags, Fiber Sacks including Flexible Intermediate Bulk Containers (FIBC) or Fiber Drums With Liners:** Nonrefillable container. **DO NOT** reuse or refill this container. Completely empty paper or plastic bag, fiber sack or drum liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application or manufacturing equipment. Then offer for recycling if available or dispose of empty paper or plastic bag, fiber sack or fiber drum and liner in a sanitary landfill, or by incineration. **DO NOT** burn, unless allowed by state and local ordinances.

**Refillable Fiber Drums With Liners:** Refillable container (fiber drum only). Refilling Fiber Drum: Refill this fiber drum with AFFORIA® herbicide containing flumioxazin, thifensulfuron methyl and tribenuron methyl only. **DO NOT** reuse this fiber drum for any other purpose. Cleaning before refilling is the responsibility of the refiller. Completely empty liner by shaking and tapping sides and bottom to loosen clinging 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 liner 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 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.

**All Other Refillable Containers:** Refillable container. Refilling Container: Refill this container with AFFORIA® herbicide containing flumioxazin, thifensulfuron methyl and tribenuron methyl only. **DO NOT** reuse this container for any other purpose. Cleaning before refilling is the responsibility of the refiller. Prior to refilling, inspect carefully for damage including cracks, punctures, abrasions, worn out threads and closure devices. 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 pressure 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 a minimum rinse volume of 10% of the container volume. Drain, pour or pump rinsate into application equipment or rinsate collection system. Repeat this pressure rinsing procedure two more times. Then, for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration. **DO NOT** burn, unless allowed by

state and local ordinances. For Metal Containers, offer for recycling if available or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

**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.

## PRODUCT INFORMATION

AFFORIA® herbicide is a dispersible granule formulation to be mixed with water and sprayed for selective burndown and residual weed control. When applied according to the instructions on this label, it will control many broadleaf weeds and provide partial control of nutsedge and annual grasses.

Crop injury may occur from applications made to poorly drained soils under cool, wet conditions. Risk of crop injury can be minimized by not using on poorly drained soils, planting at least 1.5 inches deep and completely covering seeds with soil.

Residual applications of AFFORIA® require rainfall or sprinkler irrigation to activate the herbicide. Degree of control and duration of effect depend on: rate used, weed spectrum, growing conditions at and following time of treatment, soil pH, texture, organic matter, moisture and precipitation.

Best residual control is obtained if AFFORIA® is applied to moist soil and followed by rainfall or irrigation (~1") before weeds germinate. Several small rainfalls of less than 1/4" each are not as beneficial as one large rainfall of 1/2-1". On dry soil, more moisture is required for activation (1-2") before weed emergence. If moisture is insufficient to activate the herbicide, a rotary hoeing or shallow cultivation must be made after emergence of the crop while weeds are small enough to be controlled by mechanical means. Deep cultivation reduces the effectiveness of AFFORIA® and must be avoided.

Excessive rainfall received in a short period of time following the emergence of soybeans treated with a preplant or preemergence application of AFFORIA® herbicide may cause minor leaf burn, crinkling, or defoliation of some lower leaves of the soybean plants.

During the growing season, excessive periods of rainfall and cool, cloudy weather may cause temporary soybean stunting. Soybeans rapidly outgrow stunting once favorable (sunny, warm temperatures) conditions return.

### Application Rate Summary Table for Afforia®:

| Rate of Afforia® | Pounds of Active Ingredient<br>Flumioxazin | Pounds of Active Ingredient<br>Thifensulfuron-methyl | Pounds of Active Ingredient<br>Tribenuron methyl |
|------------------|--------------------------------------------|------------------------------------------------------|--------------------------------------------------|
| 2.5 oz           | 0.064                                      | 0.008                                                | 0.008                                            |
| 3.0 oz           | 0.077                                      | 0.009                                                | 0.009                                            |
| 3.75 oz          | 0.096                                      | 0.012                                                | 0.012                                            |

## BIOLOGICAL ACTIVITY

AFFORIA® has two modes of action and rapidly inhibits the growth of susceptible weed species. Following application of a preplant or preemergence treatment, susceptible weeds may germinate and emerge, but growth then ceases and leaves become yellow and/or brown by 3-5 days after emergence. Death of leaf tissue and growing point will follow in some species while others will remain green but stunted and noncompetitive. Following a burndown application, growth of susceptible weeds ceases followed by tissue yellowing and browning and death of the growing point. AFFORIA® provides partial control of some annual grasses but other products may be needed to ensure adequate grass control.

**RESTRICTIONS**

| <b>CROPS</b>             | <b>Maximum Oz of Product/ Acre/ Single Application</b> | <b>Maximum Lb AI/ Acre/Single Application</b>                                               | <b>Maximum Number of Applications Per Year</b> | <b>Maximum Oz of Product /Acre/Year</b> | <b>Maximum Lb AI/A per Year</b>                                                             | <b>Retreat Interval (Days)</b> |
|--------------------------|--------------------------------------------------------|---------------------------------------------------------------------------------------------|------------------------------------------------|-----------------------------------------|---------------------------------------------------------------------------------------------|--------------------------------|
| Soybeans and Fallow Land | 3.75 oz                                                | 0.096 lb ai flumioxazin + 0.012 lb ai thifensulfuron methyl + 0.012 lb ai tribenuron methyl | 2                                              | 3.75 oz                                 | 0.096 lb ai flumioxazin + 0.012 lb ai thifensulfuron methyl + 0.012 lb ai tribenuron methyl | 14                             |

**DO NOT** plant any crop earlier than specified on the crop rotational interval table.

**DO NOT** apply more than 3.75 ounces per acre of AFFORIA® per year.

**DO NOT make more than** two applications per year.

**DO NOT** apply this product through any type of irrigation system.

**DO NOT** apply AFFORIA® to frozen or snow covered ground.

**DO NOT** perform any tillage operations after fall applications or residual weed control will be reduced

**DO NOT** apply AFFORIA® to cracking soybeans or after the soybean crop has emerged because severe injury or death of the crop will occur.

**DO NOT** irrigate when soybeans are cracking.

**DO NOT** apply AFFORIA® within 14 days before or after an application of an organophosphate insecticide on any soybean variety that is not BOLT®, STS® or STS®/RR, as severe crop injury may occur.

**DO NOT** apply this product by air within 40 feet of nontarget plants including non-target crops.

**DO NOT** apply this product by air within 100 feet of emerged cotton crops.

**DO NOT** apply this product by air within 40 feet of streams, wetlands, marshes, ponds, lakes and reservoirs.

**DO NOT** apply within 900 feet of non-dormant pears.

**DO NOT** apply AFFORIA® by air in the state of New York.

**DO NOT** apply to land that has been or will be treated with metsulfuron and/or chlorsulfuron-containing herbicides in Nebraska and Kansas without observing the rotational crop intervals for those products.

**DO NOT** apply or drain or flush 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, or injury to desirable trees and plants may occur.

**DO NOT** contaminate any body of water.

**DO NOT** mix/load, or use within 50 feet of all wells including abandoned wells, drainage wells, and sink holes.

**DO NOT** discharge excess material on the soil at a single spot in the field or mixing/loading station.

Graze treated fields or feed treated forage to livestock no sooner than 21 days after application.

**DO NOT** use low pressure and high volume hand wand equipment.

## **PRECAUTIONS**

Crop injury may occur from applications made to poorly drained soils under cool, wet conditions.

Excessive rainfall received in a short period of time following the emergence of soybeans treated with a preplant or preemergence application of AFFORIA® herbicide may cause minor leaf burn, crinkling, or defoliation of some lower leaves of the soybean plants.

Excessive periods of rainfall and cool, cloudy weather may cause temporary soybean stunting.

Seedling disease, nematodes, cold weather, deep planting (more than 2"), excessive moisture, high salt concentration, or drought may weaken soybean seedlings and increase possibility of crop injury.

Calibrate sprayers only with clean water away from the well site. Make scheduled checks of spray equipment. Ensure that all operation employees accurately measure pesticides. Mix only enough product for the job at hand. and avoid overfilling of spray tank.

When triple-rinsing the pesticide container, be sure to add the rinsate to the spray mix.

Thoroughly clean AFFORIA® from application equipment immediately after use and prior to spraying crops. Failure to remove even small amounts of AFFORIA® from application equipment may result in injury to subsequently sprayed crops.

Tank mixtures of AFFORIA® plus organophosphate insecticides applied preplant or preemergence to BOLT®, STS® (sulfonyleurea-tolerant soybeans), or STS/glyphosate-resistant soybean varieties may result in minor transient crop response (i.e. stunting and/or chlorosis).

Prevent drift of spray to desirable plants.

Keep from contact with fertilizers, insecticides, fungicides and seeds during storage. Avoid storage of pesticides near well sites.

## **WEED RESISTANCE MANAGEMENT**

AFFORIA®, which contains the active ingredients thifensulfuron methyl, tribenuron methyl and flumioxazin, is both a Group 2 and a Group 14 herbicide based on the mode of action classification system of the Weed Science Society of America.

Proactively implementing diversified weed control strategies to minimize selection for weed populations resistant to one or more herbicides is a best practice. A diversified weed management program may include the use of multiple herbicides with different sites of action and overlapping weed spectrum with or without tillage operations and/or other cultural practices. Research has demonstrated that using the labeled rate and directions for use is important to delay the selection for resistance.

The continued effectiveness of this product depends on the successful implementation of a weed

resistance management program.

To aid in the prevention of developing weeds resistant to this product, users should:

- Scout fields before application to ensure herbicides and rates will be appropriate for the weed species and weed sizes present.
- Start with a clean field, using either a burndown herbicide application or tillage.
- Control weeds early when they are relatively small (less than 4 inches).
- Apply full rates of AFFORIA® herbicide for the most difficult to control weed in the field at the specified time (correct weed size) to minimize weed escapes.
- Scout fields after application to detect weed escapes or shifts in control of weed species.
- Control weed escapes before they reproduce by seed or proliferate vegetatively.
- Report any incidence of non-performance of this product against a particular weed to your DuPont representative, local retailer, or county extension agent.
- Contact your DuPont representative, crop advisor, or extension agent to find out if suspected resistant weeds to this MOA have been found in your region. If resistant biotypes of target weeds have been reported, use the application rates of this product specified for your local conditions. Tank mix products so that there are multiple effective sites of actions for each target weed.
- If resistance is suspected, treat weed escapes with an herbicide having a site of action other than Group 2 or 14 and/or use nonchemical methods to remove escapes, as practical, with the goal of preventing further seed production.
- Suspected herbicide-resistant weeds may be identified by these indicators:
- Failure to control a weed species normally controlled by the herbicide at the dose applied, especially if control is achieved on adjacent weeds;
- A spreading patch of non-controlled plants of a particular weed species; and
- Surviving plants mixed with controlled individuals of the same species.

Additionally, users should follow as many of the following herbicide resistance management practices as is practical:

- Use a broad spectrum soil-applied herbicide with other sites of action as a foundation in a weed control program.
- Utilize sequential applications of herbicides with alternative sites of action.
- Rotate the use of this product with non-Group 2 or 14 herbicides.
- Avoid making more than two applications of AFFORIA® herbicide and any other Group 2 or 14 herbicides within a single growing season unless mixed with an herbicide with a different site of action with an overlapping spectrum for the difficult-to-control weeds.
- Incorporate non-chemical weed control practices, including mechanical cultivation, crop rotation, cover crops and weed-free crop seeds, as part of an integrated weed control program.
- Use good agronomic principles that enhance crop development and crop competitiveness.
- Thoroughly clean plant residues from equipment before leaving fields suspected to contain resistant weeds.
- Manage weeds in and around fields, during and after harvest to reduce weed seed production.

## **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.

## MANDATORY SPRAY DRIFT MANAGEMENT

### Ground Boom Applications:

- Apply with the nozzle height recommended by the manufacturer, but no more than 3 feet above the ground or crop canopy unless making a rangeland application, in which case applicators may apply with a nozzle height no more than 4 feet above the ground.
- For applications prior to the emergence of crops and target weeds, applicators are required to use a Coarse or coarser droplet size (ASABE S572.1).
- For all other applications, applicators are required to use a Medium or coarser droplet size (ASABE S572.1).
- **DO NOT** apply when wind speeds exceed 10 miles per hour at the application site.
- **DO NOT** apply during temperature inversions.

### Aerial Applications:

- **DO NOT** release spray at a height greater than 10 feet above the vegetative canopy, unless a greater application height is necessary for pilot safety.
- For applications prior to the emergence of crops and target weeds, applicators are required to use a Coarse or coarser droplet size (ASABE S572.1).
- For all other applications, applicators are required to use a Medium or coarser droplet size (ASABE S572.1).
- The boom length must not exceed 65% of the wingspan for airplanes or 75% of the rotor blade diameter for helicopters.
- Applicators must use one-half swath displacement upwind at the downwind edge of the field.
- Nozzles must be oriented so the spray is directed toward the back of the aircraft.
- **DO NOT** apply when wind speeds exceed 10 miles per hour at the application site.
- **DO NOT** apply during temperature inversions.

### Boom-less Ground Applications:

- Applicators are required to use a Medium or coarser droplet size (ASABE S572.1) for all applications.
- **DO NOT** apply when wind speeds exceed 10 miles per hour at the application site.

## SPRAY DRIFT MANAGEMENT ADVISORIES

THE APPLICATOR IS RESPONSIBLE FOR AVOIDING OFF-SITE SPRAY DRIFT.

BE AWARE OF NEARBY NON-TARGET SITES AND ENVIRONMENTAL CONDITIONS.

### IMPORTANCE OF DROPLET SIZE

An effective way to reduce spray drift is to apply large droplets. Use the largest droplets that provide target pest control. While applying larger droplets will reduce spray drift, the potential for drift will be greater if applications are made improperly or under unfavorable environmental conditions.

### Controlling Droplet Size – Ground Boom

- **Volume** - Increasing the spray volume so that larger droplets are produced will reduce spray drift. Use the highest practical spray volume for the application. If a greater spray volume is needed, consider using a nozzle with a higher flow rate.
- **Pressure** - Use the lowest spray pressure recommended for the nozzle to produce the target spray volume and droplet size.
- **Spray Nozzle** - Use a spray nozzle that is designed for the intended application. Consider using nozzles designed to reduce drift.



**Controlling Droplet Size – Aircraft**

- **Adjust Nozzles** - Follow nozzle manufacturers recommendations for setting up nozzles. Generally, to reduce fine droplets, nozzles should be oriented parallel with the airflow in flight.

**BOOM HEIGHT – Ground Boom**

Use the lowest boom height that is compatible with the spray nozzles that will provide uniform coverage. For ground equipment, the boom should remain level with the crop and have minimal bounce.

**RELEASE HEIGHT – Aircraft**

Higher release heights increase the potential for spray drift. When applying aurally to crops, **DO NOT** release spray at a height greater than 10 ft above the crop canopy, unless a greater application height is necessary for pilot safety.

**Boom-less Ground Applications:**

- Setting nozzles at the lowest effective height will help to reduce the potential for spray drift.

**Handheld Technology Applications:**

- Take precautions to minimize spray drift.

**SHIELDED SPRAYERS**

Shielding the boom or individual nozzles can reduce spray drift. Consider using shielded sprayers. Verify that the shields are not interfering with the uniform deposition of the spray on the target area.

**TEMPERATURE AND HUMIDITY**

When making applications in hot and dry conditions, use larger droplets to reduce effects of evaporation.

**TEMPERATURE INVERSIONS**

Drift potential is high during a temperature inversion. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. The presence of an inversion can be indicated by ground fog or 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. Avoid applications during temperature inversions.

**WIND**

Drift potential generally increases with wind speed. **AVOID APPLICATIONS DURING GUSTY WIND CONDITIONS.**

- Applicators need to be familiar with local wind patterns and terrain that could affect spray drift.

**DRIFT CONTROL ADDITIVES**

Using product compatible drift control additives can reduce drift potential. When a drift control additive is used, read and carefully observe cautionary statements and all other information on the additive's label. If using an additive that increases viscosity, ensure that the nozzles and other application equipment will function properly with a viscous spray solution. Preferred drift control additives have been certified by the Council of Producers & Distributors of Agrotechnology (CPDA).

**APPLICATION INFORMATION****DIRECTIONS FOR USE IN SOYBEANS****Rates**

Apply AFFORIA® at 2.5 ounces per acre preplant or preemergence (after planting) to any soybean variety. Preemergence application must be made within 3 days after planting and prior to soybean emergence.

Apply AFFORIA® at > 2.5 and up through 3.75 ounces per acre 7 days or more prior to planting soybeans.

Apply AFFORIA® at 2.5 to 3.75 ounces per acre preplant or preemergence (after planting) to soybeans with Bolt® technology.

### Timing

AFFORIA® may be applied any time from fall through spring.

**DO NOT** apply AFFORIA® to cracking soybeans or after the soybean crop has emerged because severe injury or death of the crop will occur.

When used for burndown, AFFORIA® is rainfast after one hour.

### Planned Sequential Programs

For season-long control in soybeans, follow AFFORIA® with sequential programs based on the targeted weeds. On all soybean varieties, AFFORIA® can be used in a planned sequential application herbicide program including AFFORIA® followed by an in-crop application of SYNCHRONY® XP (chlorimuron-ethyl + thifensulfuron-methyl) with appropriate tank mix partners. To ensure maximal rotational flexibility when considering a sequential program of AFFORIA® followed by other herbicides containing chlorimuron ethyl, including SYNCHRONY® XP, carefully consider the soil pH and the crop rotation.

For glyphosate-resistant soybeans, AFFORIA® can be followed by an in-crop application of a glyphosate product registered for this type of application, including ABUNDIT® Edge or Durango® DMA®, with appropriate tank mix partners and adjuvant products.

For glufosinate-resistant soybeans, AFFORIA® can be followed by an in-crop application of a glufosinate product registered for this type of application with appropriate tank mix partners and adjuvant products.

Read and follow all label directions and precautions for use of the respective sequential partner before using in a sequential program. Follow the most restrictive labeling. Consult a local DuPont representative; fact sheets or technical bulletins for additional information.

### Tank Mixes

It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

Other than chloroacetamide-containing products noted below, AFFORIA® may be tank mixed with other products registered for use in soybeans. Read and follow all manufacturers label instructions for the companion herbicide. If those instructions conflict with this label; **DO NOT** tank mix the herbicide with AFFORIA®. For additional broadleaf weed control, AFFORIA® may be tank mixed with chlorimuron-ethyl, linuron, metribuzin, pendimethalin or pyroxasulfone. For additional grass control, AFFORIA® may be tank mixed with pendimethalin, pyroxasulfone or clomazone.

AFFORIA® may be applied in tank mix combinations with other products provided:

- The tank mix product is labeled for the same timing, method of application, adjuvants, and use restrictions as AFFORIA®.
- The tank mix is not specifically prohibited on the label of the tank mix product.

- The tank mix combination is compatible as determined by a “jar test” described in the TANK MIX COMPATIBILITY TESTING section below.

Read and follow all label instructions on timing, precautions and warnings when tank mixing AFFORIA®. Follow the most restrictive labeling.

Weed control and crop safety resulting from the use of tank mixtures not specifically noted on this label, or in separately published DuPont information, are the responsibility of the user.

Tank mixtures of AFFORIA® plus organophosphate insecticides applied preplant or preemergence to BOLT®, STS® (sulfonylurea-tolerant soybeans) or STS®/glyphosate-resistant soybean varieties may result in minor transient crop response (i.e. stunting and/or chlorosis). **DO NOT** apply AFFORIA® within 14 days before or after an application of an organophosphate insecticide on any soybean variety that is not BOLT®, STS® or STS®/RR, as severe crop injury may occur.

**DO NOT** tank mix AFFORIA® herbicide with acetochlor, flufenacet, metolachlor/s-metolachlor or dimethenamid within 14 days of planting soybeans, unless soybeans are planted under no-till or minimum tillage conditions on wheat stubble or no-till field corn stubble.

### **DIRECTIONS FOR USE IN FALLOW LAND**

AFFORIA® may be used as a preemergence fallow treatment. AFFORIA® can be used in the fall to provide residual weed control in fallow fields. (Refer to Rotational Restrictions table for rates and rotational intervals prior to planting). If weeds have emerged at the time of application, use AFFORIA® in combination with a labeled fallow herbicide.

Abnormally warm or wet winters will reduce the length of weed control observed in the spring.

AFFORIA® may be used in the spring in combination with labeled burndown herbicides to control emerged weeds and provide residual weed control.

### **WEEDS CONTROLLED**

#### **Fall or Spring Burndown of Emerged Weeds**

For the best burndown results, the addition of 2,4-D LVE is suggested, and is required for control of some weeds.

For burndown of larger annual grasses or broadleaf weeds exceeding 1-3”, or for burndown of weeds not listed, AFFORIA® may be tank mixed with herbicides including quizalofop, dicamba, glyphosate (including ABUNDIT® Edge or Durango® DMA®), glufosinate, paraquat, saflufenacil\* or 2,4-D (LVE).

AFFORIA® herbicide, applied at 2.5 - 3.75 oz/acre, will burndown the following weeds.

\*Refer to the saflufenacil label for restrictions when tank mixing with products containing Group 14/Group E herbicides.

#### **Burndown Control of Emerged Winter Annual, Perennial, and Summer Annual Weeds**

|                                  |                                 |
|----------------------------------|---------------------------------|
| Buckwheat, common, wild*         | Henbit                          |
| Bushy wallflower                 | Kochia*                         |
| Buttercup, bur, smallflower      | Knawell, annual                 |
| Butterweed (Cressleaf groundsel) | Ladysthumb                      |
| Canola, volunteer                | Lambsquarters, common, slimleaf |
| Chamomile, corn, false, wild     | Lentils, volunteer              |

|                                    |                                                            |
|------------------------------------|------------------------------------------------------------|
| Chickweed, common, field, stinking | Marestail (horseweed)*                                     |
| Cockle, white                      | Mustard, black, blue, purple, tansy, treacle, tumble, wild |
| Cocklebur*                         | Peas, volunteer                                            |
| Cowcockle                          | Pennycress, clasping, field                                |
| Cress, mouseear                    | Pepperweed, Virginia                                       |
| Dandelion                          | Pigweed, redroot                                           |
| Deadnettle, purple                 | Ragweed, common*                                           |
| Dock, broadleaf, curly             | Shepherd's-purse                                           |
| Dogfennel (stinking mayweed)       | Smartweed, green, Pennsylvania                             |
| Falseflax, smallseed               | Sowthistle, annual                                         |
| Fiddleneck, coast, tarweed         | Spurry, corn                                               |
| Filaree, redstem, Texas            | Sunflower                                                  |
| Flixweed                           | Swinecress                                                 |
| Garlic, wild*                      | Thistle, Canada (above ground portion)                     |
| Gromwell, corn*                    | Yellow rocket                                              |
| Groundsel, common                  |                                                            |

\*The addition of at least 8 oz a.i. per acre of 2,4-D LVE is required.

### Limitations

**DO NOT** perform any tillage operations after fall applications or residual weed control will be reduced.

Abnormally warm or wet winters will reduce the length of weed control observed in the spring.

### Residual Control of Broadleaf Weeds

AFFORIA® rate for preplant or preemergence application, as well as when used as part of a burndown program, is based upon soil characteristics and the most difficult-to-control weed species being targeted for preemergence control.

Length of residual control depends on rate used, soil type and quality of activation.

### AFFORIA® applied at 2.5 - 3.0 oz/acre

|                             |                                          |
|-----------------------------|------------------------------------------|
| Bittercress                 | Mustard, wild                            |
| Carpetweed                  | Nightshades, black, eastern black, hairy |
| Chickweed, Common, Mouseear | Pigweeds, redroot, smooth, spiny, tumble |
| Dandelion                   | Prickly sida (teaweed)                   |
| Deadnettle                  | Puncturevine                             |
| Eclipta                     | Redmaids                                 |
| Eveningprimrose, Cutleaf    | Shepherd's purse                         |
| Florida Pusley              | Smallflower morningglory                 |
| Henbit                      | Spotted spurge                           |
| Lambsquarters Little Mallow | Swinecress                               |
| Marestail/Horseweed         | Venice Mallow                            |

### AFFORIA® applied at >3.0 - 3.75 oz/acre Additional weeds controlled:

|                             |                                                    |
|-----------------------------|----------------------------------------------------|
| Amaranth (pigweed), Palmer* | Morningglories, entire leaf, ivyleaf, pitted, tall |
| Coffee Senna                | Poinsettia, wild                                   |
| Croton, tropic              | Ragweed, common*, giant**                          |
| Florida Beggarweed          | Sicklepod**                                        |
| Hemp Sesbania               | Smartweed**, Ladysthumb, Pennsylvania              |
| Indigo, hairy               | Velevetleaf**                                      |
| Jimsonweed                  | Waterhemp*, common, tall                           |
| Kochia*                     |                                                    |

\*Naturally occurring resistant biotypes of these weeds are known to occur. A postemergence herbicide including fomesafen or lactofen may be needed following a preplant application of AFFORIA® for adequate control in fields with heavy pressure.

\*\* Suppression

### **Annual Grasses Suppressed Preemergence by AFFORIA®**

|                   |                       |
|-------------------|-----------------------|
| Barnyardgrass     | Lovegrass, California |
| Bluegrass, annual | Panicum, fall, Texas  |
| Crabgrass, large  | Ryegrass, Italian     |
| Foxtail, giant    | Signalgrass           |

For season long grass control, AFFORIA® may be followed as needed by a postemergence grass herbicide including CINCH® or EVERPREX™ (s-metolachlor) herbicides. Or in glyphosate resistant soybeans, AFFORIA® may be followed with an in-season glyphosate application, including ABUNDIT® Edge or Durango® DMA®. In glufosinate resistant soybeans, AFFORIA® may be followed with an in-season glufosinate application.

### **Spray Additives**

Applications of AFFORIA® used for burndown must include either a crop oil concentrate or a nonionic surfactant. Crop oil concentrate (COC) is the required adjuvant system unless tank mixing with a product that does not allow use of crop oil concentrate.

Consult local DuPont fact sheets, technical bulletins, and service policies prior to using other adjuvant systems. If another herbicide is tank mixed with AFFORIA®, select adjuvants authorized for use with both products. Adjuvants must contain only EPA-exempt ingredients.

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

- Apply at 1% v/v (1 gal per 100 gal spray solution) or 2% under arid conditions.
- 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) or 0.5% under arid conditions.
- Surfactant products must contain at least 60% nonionic surfactant with a hydrophilic/lipophilic balance (HLB) greater than 12.

## **CROP ROTATION FOR FALL AND SPRING APPLICATIONS**

Rotational Interval Table describes the minimum length in months from the time of AFFORIA® application until AFFORIA® treated soil can be replanted to the crops listed in the table. For Fall applications, begin counting the re-cropping interval from the normal Spring planting time in your area.

Crop rotation intervals are based on crops grown under favorable growing conditions. Crops grown under unfavorable environmental conditions, including drought, nutrient deficiency, high salts, disease and insect pressure may demonstrate reduced tolerance to crop protection chemicals. When deciding on a particular crop to replant in your fields, carefully consider your particular soil and other field conditions. When a tank mix is used, consult the tank mix partner labels for recropping instructions and follow the directions that are most restrictive.

## Crop Rotation

**The following rotational crops may be planted after applying AFFORIA® at the listed rate. Planting earlier than the specified rotational interval may result in crop injury.**

### AFFORIA® Crop Rotational Interval

| Crop                                                                        | 2.5 oz/A                 | > 2.5 oz/A to 3.75 oz/A  |
|-----------------------------------------------------------------------------|--------------------------|--------------------------|
| Soybean                                                                     | Immediately <sup>1</sup> | 7 days <sup>1</sup>      |
| Soybeans with Bolt® technology                                              | Immediately <sup>1</sup> | Immediately <sup>1</sup> |
| Field Corn – Minimum and No-Till                                            | 14 days <sup>1</sup>     | 14 days <sup>1</sup>     |
| Field Corn – Conventional Tillage, Sorghum                                  | 30 days*                 | 30 days*                 |
| Cotton, Rice, Wheat <sup>3</sup>                                            | 30 days*                 | 2 months*                |
| Peanut, Sugarcane, Sweet Potato                                             | 45 days                  | 45 days                  |
| Sunflower, Tobacco                                                          | 45 days                  | 2 months*                |
| Barley, Dry and Snap Beans, Flax, Lentils, Peas, Rye, Safflower, Sweet Corn | 3 months                 | 4 months                 |
| Alfalfa, Clover, Oats, Sugar Beet (if soil is tilled prior to planting)     | 4 months                 | 5 months                 |
| Alfalfa, Clover, Oats, Sugar Beet (if no tillage is performed)              | 8 months                 | 10 months                |
| Canola and all other crops not listed (if soil is tilled prior to planting) | 4 months <sup>2</sup>    | 6 months <sup>2</sup>    |
| Canola and all other crops not listed (if no tillage is performed)          | 8 months <sup>2</sup>    | 12 months <sup>2</sup>   |

<sup>1</sup> Where AFFORIA® is used on light textured soils, including sands and loamy sands, extend time to planting by 7 additional days. Where AFFORIA® is used on high pH soils (>7.9), extend time to planting by 7 additional days.

<sup>2</sup> Successful soil bioassay must be performed prior to planting crops.

<sup>3</sup> In the states of DE, IN, KY, MD, NJ, NC, OH, PA, SC, TN and VA, AFFORIA® may be applied at a minimum of 7 days before planting wheat if used on no-till or minimum tillage fields. **DO NOT** use on Durum wheat and **DO NOT** irrigate between emergence and spike. Wheat must be planted at least 1 inch deep. **DO NOT** graze until wheat has reached 5 inches in height.

\* At least one inch of rainfall/irrigation must occur between application and planting or crop injury may occur.

## SPRAY TANK PREPARATION

It is important that spray equipment is clean and free of existing pesticide deposits before using AFFORIA®. Follow the spray tank cleanout procedures specified on the label of product previously sprayed. If no cleanout procedure is provided, follow the cleanout procedure below for all application equipment.

1. Thoroughly rinse sprayer, tanks, boom, and hoses with clean water.
2. Partially fill the tank with water and add one of the cleaning agents listed in the SPRAYER CLEANUP section of this label. Complete filling the tank and flush the cleaning solution through the boom and hoses. Let stand for 15 minutes with agitation or recirculation and then drain the tank after flushing the hoses, boom, and nozzles.
3. Thoroughly rinse sprayer, tanks, boom, and hoses with clean water.
4. Follow label directions of the product previously sprayed for rinsate disposal.

During an extended period where spraying or mixing equipment will be used to apply multiple loads of AFFORIA®, at the end of each day of spraying partially fill the tank with fresh water, flush the boom and hoses and allow to sit overnight.

A steam cleaning of aerial spray tanks is advised to dislodge any visible pesticide deposits.

## EQUIPMENT/ SPRAY VOLUMES

### Ground Application, conventional tillage:

Use a minimum of 10 gallons per acre to ensure uniform coverage of soil and the best performance. For

best performance, select nozzle and pressure combinations that deliver coarse to very coarse spray droplets, as indicated, for example, by ASABE standard S-572.1.

#### **Ground Application, conservation tillage- burndown:**

Use a minimum of 15 gallons per acre to ensure thorough coverage of the weeds and the best performance. For small weeds and/or heavy crop residue, increase the gallonage to ensure coverage. For best performance, select nozzle and pressure combinations that deliver medium spray droplets, as indicated, for example, by ASABE standard S-572.1.

#### **Aerial Application:**

AFFORIA® may be applied by air for early preplant use on soybeans. Apply uniformly with properly calibrated aerial equipment. Use nozzle types and arrangements that will provide optimum spray distribution and maximum coverage at a minimum of 5 GPA. Avoid overlapping. Continuous agitation of the spray tank is required to keep the material in suspension.

**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.

Also refer to SPRAY DRIFT MANAGEMENT section.

### **TANK MIX COMPATIBILITY TESTING**

Perform a jar test prior to tank mixing to ensure compatibility of AFFORIA® and other pesticides. Use a clear glass quart jar with lid and mix the tank mix ingredients in their relative proportions. Invert the jar containing the mixture several times and observe the mixture for approximately 1/2 hour. If the mixture balls-up, forms flakes, sludges, gels, oily film or layers, or other precipitates, it is not compatible.

### **MIXING INSTRUCTIONS**

Fill tank 1/4 full with water. Start agitation system, add AFFORIA® and continue adding water. Add separately each additional component of any tank mix while adding water. Continue agitation throughout. If poor mixing occurs with any component, premix the component with two parts water before adding to the spray tank.

A fertilizer solution may be used in the spray mixture. Test small quantities for compatibility by the following procedures before full-scale mixing.

1. Put 1 pint of fertilizer solution in a quart jar.
2. Mix 2 teaspoons AFFORIA® with 2 tablespoons of water; mix thoroughly and add to fertilizer solution.
3. Close jar and shake well.
4. If other herbicides are to be used in the mixture, premix 2 teaspoons of wettable powder or 1 teaspoon of liquid with 2 tablespoons of water; add to AFFORIA®/fertilizer solution mixture.
5. Close jar and shake well.
6. Watch mixture for several seconds; check again in 30 minutes.
7. If mixture does not separate, foam, gel, or become lumpy, it may be used.
8. Mixing ability may be improved by adding compatibility agents.

Provided the above procedure shows the mixture to be compatible, prepare the tank mixture as follows: Add the fertilizer solution to the spray tank first, with the agitator running, add the required amount of AFFORIA® and thoroughly mix. For tank mixtures with other herbicides, follow directions above. For tank mixtures with other herbicides, all applicable directions, restrictions and precautions for the additional herbicides are also to be followed.

Use AFFORIA® spray preparations the same day as mixed or product degradation may occur. Thoroughly reagitrate and remix before using, if allowed to settle. When tank mixing with other herbicides, all applicable directions, restrictions and precautions for the additional herbicides are also to be followed.

## SPRAYER CLEANUP

To avoid subsequent injury to desirable crops, thoroughly clean all mixing and spray equipment immediately following applications of AFFORIA® as follows:

Spray equipment, including mixing vessels and nurse tanks, must be cleaned each day following AFFORIA® application. After AFFORIA® is applied, use the following steps to clean the spray equipment:

1. Drain the tank and thoroughly hose down the interior surfaces. Flush tank, boom, and hoses with clean water for a minimum of 5 minutes.
2. Partially fill the tank with clean water and add one gallon of household ammonia\* (containing 3% active) for every 100 gallons of water. Complete filling the tank with water, then flush the cleaning solution through the boom, hoses, and nozzles. Add more water to completely fill the tank and allow to agitate or recirculate for at least 15 minutes. Again, flush the boom, hoses and nozzles, and drain the tank.
3. Remove the nozzles, screens and the end caps of sprayer booms and clean separately in a bucket containing water and the cleaning agent.
4. Repeat Step 2.
5. Thoroughly rinse the tank with clean water for a minimum of 5 minutes, flushing water through the boom and hoses.
6. To enhance removal of flumioxazin from the spray system before spraying susceptible crops, follow the above clean-out steps with ammonia, then add a tank cleaner including "Valent Tank Cleaner" from Valent U.S.A. Corporation, and allow the cleaning solution to remain in the pressurized spray system (spray tank, hoses and boom) overnight before flushing the system for a minimum of 15 minutes. If using "Valent Tank Cleaner" follow use instructions and personal protective equipment (PPE) instructions as found on the "Valent Tank Cleaner" label.

\*Equivalent amounts of an alternate strength ammonia solution or a tank cleaner advised in separately published bulletins may be used.

| USEPA REGISTERED PRODUCTS MENTIONED IN THIS LABEL FOR USE IN TANK MIXTURES OR OTHER REASONS |                                           |                         |
|---------------------------------------------------------------------------------------------|-------------------------------------------|-------------------------|
| PRODUCT BRAND NAME                                                                          | ACTIVE INGREDIENT(S)                      | EPA REGISTRATION NUMBER |
| Cinch®                                                                                      | s-metolachlor                             | 352-625                 |
| Synchrony® XP                                                                               | chlorimuron ethyl + thifensulfuron-methyl | 352-648                 |
| Abundit® Edge                                                                               | glyphosate                                | 352-922                 |
| EverpreX                                                                                    | s-metolachlor                             | 352-923                 |
| Durango DMA                                                                                 | glyphosate                                | 62719-556               |



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