

G2A/Broadstrike WDG/Amend/12-11-96

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PM 23 62719-277 PA 12/16

(Base label):

(logo) DowElanco

**BF-308 Broadstrike\* WDG****For broadleaf weed control in field corn and soybeans****Active Ingredient:**

flumetsulam: N-(2,6-difluorophenyl)-5-methyl-  
1,2,4-triazolo-[1,5a]-pyrimidine-2-  
sulfonamide.....

80.0%

**Inert Ingredients**.....20.0%**Total** .....100.0%

Contains 0.8 pounds of flumetsulam per pound of product.

U.S. Patents 4,954,163 and 4,818,273

**ACCEPTED**

DEC 12 1996

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under  
EPA Reg. No. 62719-277

**Precautionary Statements****Hazards to Humans and Domestic Animals****Keep Out of Reach of Children****CAUTION PRECAUCION**

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

**Harmful If Absorbed Through The Skin • Causes Eye Irritation****Avoid contact with skin, eyes or clothing.****Personal Protective Equipment (PPE)****Applicators and other handlers must wear:**

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

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

**User Safety Recommendations****Users should:**

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

**First Aid****If in eyes:** Flush with plenty of water. Get medical attention if irritation persists.**If on skin:** Wash with plenty of soap and water. Get medical attention if irritation develops.**BEST AVAILABLE COPY**

(Datapack cover):

(logo) DowElanco

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**For broadleaf weed control in field corn and soybeans**

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**Keep Out of Reach of Children**

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#### **Agricultural Use Requirements**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. Refer to the label booklet under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

**Refer to label booklet for additional precautionary information including Personal Protective Equipment (PPE), and Directions for Use including Storage and Disposal.**

**Notice:** Read the entire label. Use only according to label directions. **Before buying or using this product, read "Warranty Disclaimer" and "Limitation of Remedies" inside label booklet.**

In case of emergency endangering health or the environment involving this product, call collect 517-636-4400.

Agricultural Chemical: Do not ship or store with food, feeds, drugs or clothing.

EPA Reg. No. 62719-277

EPA Est. 00000-XX-00

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DowElanco • Indianapolis, IN 46268 USA

## **Herbicide**

**Net Weight —lb (or)X, 1.2 2 x 4 oz Water Soluble Packets**

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**Precautionary Statements**

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**Harmful if Absorbed Through The Skin • Causes Eye Irritation**

Avoid contact with skin, eyes or clothing.

**Personal Protective Equipment (PPE)****Applicators and other handlers must wear:**

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

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

**User Safety Recommendations****Users should:**

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

**First Aid**

**If in eyes:** Flush with plenty of water. Get medical attention if irritation persists.

**If on skin:** Wash with plenty of soap and water. Get medical attention if irritation develops.

**Environmental Hazards**

Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters or rinsate.

Flumetsulam has been identified in groundwater sampling from a field research site under vulnerable conditions. There is the possibility that flumetsulam may leach through soil to groundwater, especially, where soils are coarse and groundwater is near the surface.

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**Directions for Use**

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It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Read all Directions for Use carefully before applying.

**Handling Precautions if Product is Packaged in Water Soluble Packets:** Do not remove water soluble packet from overpack except for immediate use. Do not allow water soluble packet to come into contact with water prior to use. Do not handle water soluble packet with wet hands or wet gloves. Carefully reseal package containing unopened water soluble packets and protect package from moisture.

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.

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### 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.

**Exception:** If the product is soil-injected or soil incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls
- Waterproof gloves
- Shoes plus socks

### Storage and Disposal

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

**Storage:** Store in original container only. In case of leak or spill, contain material with absorbent materials and dispose as waste.

**Pesticide Disposal:** Wastes resulting from the use of this product may be disposed of on site according to label directions or at an approved waste disposal facility.

**Container Disposal:** Triple rinse (or equivalent). Then dispose of in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**Container Disposal for Water Soluble Packaging:** Dispose of outer container and overpack for water soluble packets in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

### General Information

BF-308-Broadstrike® WDG herbicide is a uniquely selective product for broadleaf weed control in field corn and soybeans. BF-308-Broadstrike WDG may be applied as a preplant surface, preplant incorporated, or preemergence or postemergence treatment. Preplant incorporated treatments Broadstrike WDG may be applied in with water, or liquid fertilizer, or impregnated on dry bulk fertilizer. Absorption of BF-308-Broadstrike WDG occurs through both the foliage shoot and root uptake. Susceptible weeds exposed to BF-308-Broadstrike WDG stop growing and either die or remain non-competitive with the crop. BF-308-Broadstrike WDG provides residual control of weeds that may emerge after application. Because uptake and translocation of BF-308-Broadstrike WDG involves uptake by both roots and/or foliage shoots, adequate soil moisture is necessary for optimal herbicidal activity.

When applications are made under adverse (dry or cold) conditions or when large weeds or less susceptible species are treated, weed suppression may be observed. Weed suppression is a visual reduction in weed competition (reduced population, size, and/or vigor) as compared to an untreated area. Degree of control can be increased by applying BF-308-Broadstrike WDG under good favorable growing conditions (i.e., adequate moisture and temperature), and by using a higher rate in the specified rate range.

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## General Use Precautions

### Safe Pesticide Handling Procedures

- Calibrate sprayers only with clean water away from the well site.
- Make scheduled checks of spray equipment.
- Assure accurate measurement of pesticides by all operation employees.
- Mix only enough product for the job at hand.
- Avoid over filling the spray tank.
- Do not discharge excess material on soil at a single spot in the field or at the mixing/loading station.
- Dilute and agitate excess spray solution and apply at labeled rates/uses on approved crop site.
- When triple-triple rinsing rinse the pesticide container in which product was purchased, be sure to add Add the rinsate to the spray mix.
- **Sprayer Cleanup:** To avoid injury to or exposure to of non-target crops, thoroughly clean and drain all mixing and spray equipment on approved rinse pads or on the field site where an approved crop is to be grown used to apply Broadstrike WDG after use. Do this immediately after application and prior to use on crops other than those registered for use on this label. All rinsate material must be collected in a suitable container and disposed of according to label directions (applied to cropland to be planted to crops recommended in this label) or in a locally approved manner (see "Storage and Disposal" section). Cleaning should occur as soon as possible after application of Broadstrike WDG. Spraying equipment should be cleaned after use with Broadstrike WDG by the following procedure:
  1. Drain any remaining Broadstrike WDG from the spray tank and properly apply on land to be planted to a crop recommended on this label or dispose of according to local, state and federal guidelines.
  2. Hose down the interior surfaces of the tank. Flush tank, hoses, boom, and nozzles with clean water for 10 minutes and dispose of according to local, state and federal guidelines. Fill the tank with water and recirculate for 15 minutes. Spray part of the mixture through the hoses, boom, and nozzles and drain the tank. All rinse water must be disposed of in compliance with local, state, and federal guidelines.
  3. Remove the nozzles and screens and clean separately.
  4. If the spray equipment will be used on crops other than field corn or soybeans, repeat steps 1 and 2 again and thoroughly wash the spray mixture from the outside of spray tank and the boom.

Placement of mixing/loading equipment on an Impervious pad to contain spills will help prevent groundwater contamination.

### Maximum Application Rate

- Do not exceed ~~Make only 4~~ one application per year.
- Do not exceed a total the maximum application rate of 0.088 lb/acre 1.4 ounces per acre of BF-308 Broadstrike WDG (0.07 lb of flumetsulam active ingredient/acre) in a single crop year.
- Do not exceed 0.07 lb per year cumulative application of the active ingredient flumetsulam if using in sequential or tank mix with other products.
- A postemergence application of Hornet\* at 1.6 oz/acre or Scorpion\* III at 4 oz/acre may be applied following preemergence application of up to 0.94 oz/acre of Broadstrike WDG. One ounce of Broadstrike WDG contains 0.05 lb of flumetsulam. One ounce of Hornet contains 0.0145 lb of flumetsulam. One ounce of Scorpion III contains 0.0058 lb of flumetsulam.

[Editors Note: The following item is to be included in final printed labeling only if directions for postemergence application are included in final printed labeling.]

- If a postemergence application of Broadstrike WDG is made following a preemergence application of Broadstrike+Dual® herbicide, Broadstrike SF+Dual herbicide, Broadstrike+Treflan herbicide or Hornet, check to make sure that the cumulative rate of 0.07 pounds per acre of flumetsulam per year is not exceeded. One pint of Broadstrike+Dual contains 0.025 lb of flumetsulam. One pint of Broadstrike SF+Dual contains 0.031 lb of flumetsulam. One pint of Broadstrike+Treflan contains 0.031 lb of flumetsulam. One ounce of Hornet contains 0.0145 lb of flumetsulam.

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**Application Rates for Preplant Surface Applied, Preplant Incorporated, Postplant Preemergence, and Spike Stage Treatments**

<b>Soil Texture</b>	<b>Broadstrike WDG (oz/A)</b>	<b>Packet Factor (acres/ 4 oz packet)</b>
Coarse	0.80	5.0
Coarse, Medium or Fine	0.89	4.5
Coarse, Medium or Fine	1.00	4.0
Medium or Fine	1.14	3.5
Medium or Fine	1.33	3.0

**To calculate the number of water soluble packets for your spray mix:**

1. Determine the number of acres to be treated.
2. Divide the number of acres to be treated by the acres/packet that corresponds to the desired rate. See rate table above for broadcast application rates and corresponding acres per 4 oz packet.

**Sample Calculations:**

- If the desired application rate for a coarse-textured soil is 0.89 oz/acre, acres/packet = 4.5.
- Assuming 17 acres to be treated, 17 acres divided by 4.5 acres/packet = 3.8 packets.

**Note:** If the resulting number of packets is not a whole packet, round up or down to the nearest whole number of packets and check to make sure that the resulting number of acres/packet falls within the desired rate range for the application.

- 17 acres divided by 4 packets = 4.25 acres/packet, which is within the range of 4.0 to 5.0 acres per packet for a coarse-textured soil.

**Spray Preparation:**

BF-308 Broadstrike WDG is a water dispersible granule formulation. Thorough mixing is required.

1. Fill the tank with 1/2 of the total amount of water or liquid fertilizer required for the load. (Note: Use liquid fertilizer for preplant incorporated treatments only and Do not use liquid fertilizer for postemergence application.) For use with liquid fertilizer, follow "Liquid Fertilizer Mixing Instructions" below.)
2. Start agitation system.
3. Add required amount of product Broadstrike WDG directly to the spray tank while agitating. If product is packaged in water soluble packets, add the required number of water soluble packets by opening the overpack and adding the soluble packet (product in transparent film) directly into the spray tank while agitating. (See special pre-mixing instructions below for use of water soluble packaging in liquid fertilizer solutions). Do not open water soluble packets. Water soluble packets will float on the surface until the water soluble film dissolves and releases the product. Handling packets with hands should be minimized. **Important: Do not open water soluble packets.**
4. Continue agitation and complete filling the tank while the packets dissolve.
5. Before spraying, make sure packets have completely disintegrated and product is thoroughly mixed with water. Depending on the water temperature and the degree of agitation, the packet and product should be completely dispersed within 5 minutes from the time they were added to the water.

To insure a uniform spray mixture, continuous agitation is required during mixing and spraying. Apply within 24 hours after mixing. If product is allowed to settle, thoroughly agitate to resuspend the mixture before spraying.

**Liquid Fertilizer Mixing Instructions**

BF-308 can be applied in liquid fertilizer. In all cases, continuous agitation is required. When necessary, a compatibility agent can be used to ensure that BF-308 Broadstrike WDG mixes properly. The use of appropriate compatibility agents is especially important when tank mixing BF-308 Broadstrike WDG and other dry flowables, wettable powders, flowables, liquids, aqueous suspensions, or solutions with emulsifiable concentrates in liquid fertilizers. If the emulsifiable concentrate formulation rises to the

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## Spray Application

Apply BF-308 Broadstrike WDG in sufficient spray volume to provide uniform coverage using only properly calibrated ground equipment. Apply in a total spray volume of 10 to 40 gallons per acre using low pressure (20 - 40 pounds/square inch). Maintain sufficient agitation during mixing and spraying to ensure a uniform spray mixture. To ensure thorough coverage when applying to minimum or no-till soybeans or field corn, apply in a total spray volume of 20 or more gallons per acre.

**Band Application:** Calculate the amount of herbicide needed for band treatment by the formula:

Band width in inches

$$\frac{\text{Band width in inches}}{\text{Row width in inches}} \times \text{Broadcast rate per acre} = \text{Amount needed per acre of field}$$

## Application with Dry Bulk Fertilizer

Dry bulk fertilizer may be impregnated or coated with BF-308 Broadstrike WDG. Application of dry bulk fertilizer impregnated with BF-308 Broadstrike WDG provides weed control equal to the same rates of BF-308 Broadstrike WDG applied in liquid carriers. Follow label recommendations for Broadstrike WDG regarding rates per acre, crops, special instructions, cautions and special precautions. Apply 200 to 700 pounds of the fertilizer/herbicide mixture per acre. For best results, BF-308 should be incorporated two times when applied impregnated on dry bulk fertilizers. For best weed control results, the second incorporation should be delayed three (3) to five (5) days after the first. Follow other BF-308 label recommendations for soil incorporation. Apply the mixture uniformly to the soil with properly calibrated equipment immediately after blending. Uniform application of the herbicide/fertilizer mixture is essential to prevent possible crop injury. Non-uniform application may also result in unsatisfactory weed control. In areas where conventional tillage is practiced, a shallow incorporation of the mixture into the soil may improve weed control.

**Precaution:** To avoid crop injury, do not apply the fertilizer/herbicide mixture to bedded soil.

Compliance with all Federal and State regulations relating to blending pesticide mixtures with dry bulk fertilizer, registration, labeling and application are the responsibility of the individual and/or company offering the fertilizer and chemical mixture for sale.

**Limitations:** Apply a minimum of 200 pounds per acre of dry fertilizer impregnated with BF-308 Broadstrike WDG at the recommended rate. Most dry fertilizers can be used for impregnation with BF-308 Broadstrike WDG. When coated ammonium nitrate and/or limestone are used alone, do not impregnate with BF-308 Broadstrike WDG. These materials will not absorb the herbicide. Blends containing a mixture of these materials ammonium nitrate and/or limestone as part of the fertilizer mixture can be impregnated.

**Impregnation:** Use any closed drum, belt, ribbon or other commonly used dry bulk fertilizer blender. Nozzles used to spray the BF-308 Broadstrike WDG onto the fertilizer should be placed to provide uniform spray coverage. Add water to the BF-308 Broadstrike WDG to give a total volume of at least six (6) pints per ton of fertilizer.

Calculate amounts of Broadstrike WDG by the following formula:

$$\frac{2,000}{\text{Pounds of fertilizer per acre}} \times \text{Pounds/acre of Broadstrike WDG} = \text{Pounds of product per ton of fertilizer}$$

**Note:** Thoroughly clean dry fertilizer blending equipment prior to use with other herbicides. It is important to clean the blender, herbicide spray tank, and spraying apparatus thoroughly. Rinse the sides of the blender and the herbicide tank with water. Then, impregnate the rinsate onto a load of dry fertilizer intended for an approved crop. Use a maximum rate of 1 gallon of rinsate per ton of fertilizer. Follow with 1 to 2 loads of unimpregnated fertilizer in the blender before switching herbicides. The fertilizer application equipment must be empty, clean, and dry before switching herbicides.

Equipment must be empty, clean, and dry before applying any material to crops other than corn or soybeans.

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## Approved Uses

### Soil Applied Treatments For Preemergence Weed Control In Field Corn And Soybeans

#### Preplant Incorporated, Preplant Surface, and Postplant Preemergence Application

BF-308 Broadstrike WDG may be soil applied as a preplant incorporated, preplant surface, or postplant preemergence treatment. **Note:** Do not apply rates recommended for soil applied treatments to emerged soybeans (cracking stage or later) as severe crop injury will result.

**Note-Tank Mixing:** BF-308 Broadstrike WDG may be tank mixed with other registered herbicides unless tank mixing is specifically prohibited by the label of the potential tank mix-product partner. When BF-308 Broadstrike WDG is tank-mixed with a companion herbicide, follow relevant applicable use directions, including precautions, restrictions and limitations listed on the each manufacturer's label.

#### Application Rates and Weeds Controlled by Soil Applied Treatments<sup>1</sup>:

Broadleaf Weeds Controlled	Amount of BF-308 per Acre		
	Pounds of Product	Grams (ounces) of Product	Pounds a.i.4
velvetleaf, redroot pigweed, smooth pigweed, common lambsquarters, common ragweed, common sunflower, jimsonweed, prickly sida, black nightshade, Venice mallow, Florida beggarweed, spotted spurge, purslane, smartweed, spurred anoda and wild mustard.	0.038-0.088	17-40 (0.6-1.4)	0.03-0.07
common cocklebur <sup>2</sup> , giant ragweed, wild sunflower, sicklepod and morningglory species <sup>3</sup>	0.075-0.088	34-40 (1.2-1.4)	0.06-0.07

1If product is packaged in water soluble packets, refer to the rate table in Mixing and Application section to determine the number of water soluble packets for the application rate and acreage to be treated.

2Light to moderate infestations only. For best results, preplant incorporate.

3These weeds are more consistently controlled with preplant incorporated treatments.

4Do not exceed a total application rate of 0.088 lb/acre BF-308 (0.07 lb/acre a.i.) during a single crop year.

[Editor's Note: The following tables for application rates and weeds controlled replaces the preceding table].

#### Broadcast Application Rates For Control Of Broadleaf Weeds Listed Below:

Soil Texture	Broadstrike WDG/Acre (oz)
Coarse	0.8 - 0.89
Medium or Fine	0.89 - 1.0

Within soil texture class, use the higher rate on soils with >3% organic matter. (See Application Restrictions under General Information.) Do not apply these rates more than 14 days before planting.

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carpetweed  
chickweed  
goosefoot  
henbit  
kochia  
lambsquarters, common<sup>1</sup>  
mallow, Venice  
mustard, wild  
pigweed, redroot<sup>1</sup>  
pigweed, smooth<sup>1</sup>  
pigweed species<sup>1</sup>

purslane, common  
Russian thistle  
shepherd's purse  
sida, prickly  
spurge, nodding  
spurge, spotted  
velvetleaf<sup>1</sup>  
waterhemp, common  
waterhemp, tall  
waterhemp, species

<sup>1</sup>Includes control of triazine tolerant biotypes of these weeds, commonly known as "triazine resistant".

**Broadcast Application Rates For Control Of Additional Broadleaf Weeds Listed Below:**

<u>Soil Texture</u>	<u>Broadstrike WDG/Acre</u> (oz)
<u>Coarse</u>	<u>0.89 - 1.0</u>
<u>Medium or Fine</u>	<u>1.14 - 1.33</u>

Within soil texture class, use the higher rate on soils with >3% organic matter and/or when applications are made 14-30 days before planting. (See Application Restrictions under General Information.)

[Editor's Note: Consistent with the preceding statement, the following statement was added to the General Use Precautions section under Application Restrictions "Do not apply Broadstrike WDG more than 30 days before planting.]

anoda, spurred  
beggarweed, Florida<sup>††</sup>  
cocklebur, common<sup>††</sup>  
horseweed (marestail)  
jimsonweed<sup>††</sup>  
ladythumb  
morningglory spp.<sup>†</sup>  
nightshade, black  
nightshade, cutleaf  
nightshade, Eastern black

nightshade, hairy  
poinsettia, wild  
puncturevine  
pusley, Florida  
sicklepod<sup>††</sup>  
smartweed, Pennsylvania  
ragweed, common<sup>††</sup>  
ragweed, giant<sup>†</sup>  
sunflower, wild

**†Weeds partially controlled**

**††Control of light to moderate infestations:** The level of control provided by Broadstrike WDG on cocklebur, jimsonweed, common ragweed, Florida beggarweed, and sicklepod can vary depending on weed density and soil or environmental conditions. Control of moderate to heavy infestations of these weeds may be variable with satisfactory control of higher populations dependent on consistent soil moisture. Consistent control of these weeds may also require a tank mixture or a sequential application of a postemergence herbicide. Control may be improved by adhering to the following procedures:

1. Thoroughly till moist soil to destroy germinating and emerged weeds.
2. Thoroughly and uniformly preplant incorporate to a depth of 2 inches utilizing two incorporation passes. Procedures 1 and 2 may be accomplished simultaneously by a uniform 2-inch incorporation.
3. Apply the upper end of the rate range allowed for the soil texture and organic matter content to be treated.
4. Plant crop immediately after the last tillage. If Broadstrike WDG is to be applied preemergence, apply at planting or immediately afterwards.
5. If available, sprinkle-irrigate within 2 days after application. Apply 1/2 to 1 inch of water, depending on soil texture.
6. Weed control may be decreased if irrigation or rainfall does not occur within 7 to 10 days after planting

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carpetweed  
chickweed  
goosefoot  
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Within soil texture class, use the higher rate on soils with >3% organic matter and/or when applications are made 14-30 days before planting. (See Application Restrictions under General Information.)

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momingglory spp.<sup>†</sup>  
nightshade, black  
nightshade, cutleaf  
nightshade, Eastern black

nightshade, hairy  
poinsettia, wild  
puncturevine  
pusley, Florida  
sicklepod<sup>††</sup>  
smartweed, Pennsylvania  
ragweed, common<sup>††</sup>  
ragweed, giant<sup>†</sup>  
sunflower, wild

#### <sup>†</sup>Weeds partially controlled

<sup>††</sup>Control of light to moderate infestations: The level of control provided by Broadstrike WDG on cocklebur, jimsonweed, common ragweed, Florida beggarweed, and sicklepod can vary depending on weed density and soil or environmental conditions. Control of moderate to heavy infestations of these weeds may be variable with satisfactory control of higher populations dependent on consistent soil moisture. Consistent control of these weeds may also require a tank mixture or a sequential application of a postemergence herbicide. Control may be improved by adhering to the following procedures:

1. Thoroughly till moist soil to destroy germinating and emerged weeds.
2. Thoroughly and uniformly preplant incorporate to a depth of 2 inches utilizing two incorporation passes. Procedures 1 and 2 may be accomplished simultaneously by a uniform 2-inch incorporation.
3. Apply the upper end of the rate range allowed for the soil texture and organic matter content to be treated.
4. Plant crop immediately after the last tillage. If Broadstrike WDG is to be applied preemergence, apply at planting or immediately afterwards.
5. If available, sprinkle-irrigate within 2 days after application. Apply 1/2 to 1 inch of water, depending on soil texture.
6. Weed control may be decreased if irrigation or rainfall does not occur within 7 to 10 days after planting.

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and application. Under these conditions, emerged weeds may be controlled by a uniform shallow cultivation or rotary hoeing.

#### **Specific Use Directions For Soil Applied Treatments:**

1. **Preplant Incorporated Application:** Apply and incorporate BF-308 up to Broadstrike WDG from 0 to 30 days before planting field corn or soybeans. Preplant incorporated treatments may be applied in water, or liquid fertilizer, or dry fertilizer. Use incorporation equipment that will uniformly mix. Uniformly incorporate the herbicide treatment into the top 2 to 3 inches of the final seedbed.

**Note:** For preplant surface application or preemergence application to field corn or soybeans or spike stage application to field corn, adequate soil moisture is required for optimum herbicidal activity. For surface applications, rainfall, or overhead sprinkler irrigation is necessary to move BF-308 Broadstrike WDG into the weed germination zone. The amount of rainfall or irrigation required following application depends on existing soil moisture, soil texture, and organic matter content. Sufficient water to moisten the soil to a depth of 2 inches is generally adequate. If adequate soil moisture is not received within 7 to 10 days after a surface application, shallow cultivate to control established weeds and move the herbicide into the weed germination zone. When adequate soil moisture is received following dry conditions, activity on established weeds will depend on the weed species and the location of its root system in the soil. Performance may vary with weed species and the depth of the weed root system in the soil.

2. **Preplant Surface Applied:** For minimum-tillage or no tillage systems, Broadstrike WDG alone and in certain tank mixtures may be applied up to 30 days before planting. If weeds are present at the time of treatment, apply in a tank mix combination with a contact herbicide such as Gramoxone Extra or Roundup (see minimum-tillage or no-tillage instructions below). To the extent possible do not move treated soil out of the row or move untreated soil to the surface during planting, or weed control will be diminished.
3. **Preemergence (Surface) Application:** Apply before, during or after planting but prior to crop emergence. BF-308 may be applied up to 30 days prior to planting. Apply at the time of planting or after planting field corn or soybeans, but prior to weed emergence.
4. **Spike Stage Application (Corn Only)**  
Apply with water as the carrier from corn emergence (ground cracking stage) up to 2 inches in height (before the first leaf is unfurled). **Precaution:** During corn emergence, do not apply with liquid fertilizer as severe crop injury may result.

#### **No-Till or Reduced Tillage Application**

Apply before, during or after planting but prior to crop emergence. To ensure thorough coverage, apply in a total spray volume of 20 or more gallons per acre. Use higher spray volume for field with dense vegetation or heavy crop residues.

To control existing vegetation, BF-308 may be tank mixed with Gramoxone Super or Roundup in addition to a companion product for preemergence grass control.

[Editors Note: The following replaces the preceding section and is consistent with EPA-accepted text contained in flumetsulam-containing product, Broadstrike+Dual (62719-239).]

#### **Minimum Tillage or No-Tillage Application**

1. **Broadstrike WDG plus Gramoxone Extra or Roundup for minimum-tillage or no-tillage systems.** In minimum-tillage or no-tillage situations where soybeans or corn are planted directly into a cover crop, stale seedbed, or previous crop residues, the contact herbicides Gramoxone Extra or Roundup may be tank mixed with Broadstrike WDG. Apply in 20 to 60 gallons of water or liquid fertilizer per acre with ground equipment. Add a nonionic surfactant at 1 to 2 quarts/100 gallons diluted spray.

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**Application Timing:** Apply before, during (behind the planter), or after planting, but before the crop emerges.

**Gramoxone Extra:** See the label for Gramoxone Extra for weeds controlled, recommended rates for specific weeds, and application instructions. Do not apply combinations containing Gramoxone Extra in suspension type fertilizers as the activity of the active ingredient paraquat will be reduced.

**Roundup:** See the Roundup herbicide label for weeds controlled, recommended rates for specific weeds, and application instructions.

- 2. Broadstrike WDG plus 2,4-D for minimum-tillage or no-tillage systems.** For burndown control of susceptible annual and perennial broadleaf weeds prior to planting soybeans or corn in reduced tillage systems, Broadstrike WDG may be applied in tank mix combination with a 2,4-D product labeled for this use. Where heavy crop residues exist, add 1.0 to 2.0 pints per acre of a 3.8 pounds a.e. per gallon 2,4-D amine or ester and apply in a minimum of 20 gallons of carrier per acre. When tank mixing with 2,4-D, read and follow the manufacturer's label for applicable use directions, application timing, precautions, and limitations before use. **This tank mixture will not control emerged grasses.**

For soybeans, planting of the crop should be delayed a minimum of 15 to 30 days following application to avoid potential crop injury from 2,4-D residues in the soil. Follow the recommended rates, specific planting delays, and other use precautions and limitations on the label of the 2,4-D product used.

#### **Broadstrike WDG Followed By Postemergence Treatments**

- 1. Corn:** Broadleaf weeds not controlled by Broadstrike WDG in corn may be controlled with postemergence herbicide products such as Hornet, Scorpion III, Banvel, Clarity, 2,4-D, Marksman, Buctril, or Beacon plus 2,4-D herbicides. Follow each manufacturer's label for weeds controlled, applicable use directions, precautions, and limitations before use.
- 2. Soybeans:** Broadleaf weeds not controlled by Broadstrike WDG in soybeans may be controlled with postemergence herbicide products such as Basagran, Blazer, Cobra, Galaxy, Reflex, or Storm. For enhanced control of sicklepod, Classic herbicide can be applied postemergence following application of Broadstrike WDG. Follow the manufacturer's labels for application rates, weeds controlled, additional use directions, precautions, and limitations before use.

[Editors Note: Based on a commercial decision, the following use pattern (color coded magenta) will not appear on final printed labeling.]

### **Postemergence Weed Control In Field Corn And Soybeans**

#### **Weed Control Advisory**

Apply to actively growing weeds. ~~Extreme growing-Unfavorable~~ conditions such as drought, or near freezing temperatures before, at or following application may result in reduced weed control. Degree of control will depend on application rate used, weed susceptibility, and spray adjuvant as well as growing conditions at the time of treatment.

~~Cultivation:~~ Cultivation before, during or within 7 days after application is not recommended. Cultivation may put weeds under stress by pruning roots, thereby reducing herbicide uptake and weed control. For best results, ~~delay cultivation for 14 days after application~~ do not cultivate within 10 days before or after application.

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**Postemergence Application to Field Corn**

**Application Timing:** Application may be made ~~to~~ from field corn emergence (spike stage) up to ~~42~~ 24 inches tall. Apply when broadleaf weeds are at the 2 to 4 true leaf stage of growth. Weeds too large for optimum control will be suppressed, but may recover after 2 to 3 weeks. Spraying at the cotyledon stage is not recommended. Do not apply if rainfall is expected within 6 hours after application.

**Application Rates and Weeds Controlled by Postemergence Application to Field Corn<sup>1</sup>:**

Broadleaf Weeds Controlled	Amount of <del>BF-308</del> Broadstrike WDG per Acre		
	Pounds <u>Ounces of</u> Product	Grams ( <u>ounces</u> ) of Product	Pounds a.i. <sup>2</sup>
Common cocklebur, velvetleaf, common ragweed, common sunflower, jimsonweed, prickly sida, black nightshade, <del>morningglory species,</del> Venice mallow, smartweed, spurred anoda and wild mustard	<del>0.010 - 0.038</del> <u>0.5 - 1.2</u>	<del>8.5 - 17.0</del> ( <u>0.3 - 0.6</u> )	<del>0.015 - 0.03</del> <u>0.025 - 0.06</u>
Redroot pigweed, smooth pigweed and common lambsquarters, black nightshade, and morningglory species	<del>0.038 - 0.075</del> <u>0.89 - 1.2</u>	<del>17.0 - 34.0</del> ( <u>0.6 - 1.2</u> )	<del>0.03 - 0.06</del> <u>0.045 - 0.06</u>

<sup>1</sup>If product is packaged in water soluble packets, refer to the rate table in Application and Mixing section to determine the number of water soluble packets for the application rate and acreage to be treated.

<sup>2</sup>**Note:** Do not exceed ~~0.075 lb~~ 1.2 oz/acre of ~~BF-308~~ Broadstrike WDG (0.06 lb/acre active) for postemergence application to field corn.

**Use of Surfactants:** All postemergence applications of ~~BF-308~~ Broadstrike WDG in field corn must include a non-ionic surfactant at 0.25% v/v volume/volume (1 qt/100 gal) or crop oil concentrate at 1% volume/volume. Use a good quality surfactant with at least 80% active ingredient (of which at least 50% is actual non-ionic surfactant). Under extremely dry growing conditions, use of an agriculturally approved sprayable liquid fertilizer together with the non-ionic surfactant, may enhance control. Use 28%, 30%, or 32% urea ammonium nitrate at 2.5% volume/volume (2.5 gal/100 gal). **Note: Do not use liquid fertilizer solutions or suspensions as the total carrier because excessive crop injury may occur.** Use only EPA approved surfactants for use on food crops.

**Tank Mixing:** ~~BF-308~~ Broadstrike WDG may be applied alone or in tank mix combination with other herbicides registered for postemergence application in field corn unless tank mixing is specifically prohibited by the label of the tank mix product. When ~~BF-308~~ Broadstrike WDG is tank-mixed with a companion herbicide, follow ~~relevant~~ applicable use directions, including precautions, restrictions and limitations listed on the manufacturer's label.

**Postemergence Application to Soybeans**

**Application Timing:** Applications may be made to soybeans from the first to the fifth trifoliate leaf stage of growth. Apply when broadleaf weeds are at the 2 to 4 true leaf stage of growth. Weeds too large for optimum control will be suppressed, but may recover after 2 to 3 weeks. Spraying at the cotyledon stage is not recommended. Do not apply if rainfall is expected within 6 hours after application.

Transient leaf yellowing and/or growth retardation (stunt) of soybeans may occur following application of ~~BF-308~~ Broadstrike WDG application. These effects will be evident for 5 to 7 days after application to soybeans under stress. Under favorable growing conditions the crop will quickly recover.

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### Application Rates and Weeds Controlled by Postemergence Treatments to Soybeans<sup>2</sup>:

Broadleaf Weeds Controlled	Amount of BF-308-Broadstrike WDG per Acre		
	Pounds Ounces of Product	Grams (ounces) of Product	Pounds a.i. <sup>2</sup>
Velvetleaf, prickly sida, common sunflower, spurred anoda and wild mustard	<del>0.000 - 0.010</del> 0.15 - 0.30	<del>4.25 - 8.5</del> (0.15 - 0.30)	<del>0.0075 - 0.015</del> 0.0075 - 0.015

<sup>1</sup>If product is packaged in water soluble packets, refer to the rate table in Application and Mixing section to determine the number of water soluble packets for the application rate and acreage to be treated.

<sup>2</sup>Note: Do not exceed ~~0.010 lb/acre~~ 0.030 oz/acre of BF-308-Broadstrike WDG (0.015 lb a.i./acre) for postemergence application to soybeans.

**Use of Surfactants:** All postemergence applications of Broadstrike WDG in soybeans must include a non-ionic surfactant at 0.25% volume/volume (1qt/100 gal). Use a good quality surfactant with at least 80% active ingredient (of which at least 50% is actual non-ionic surfactant). Under extremely dry growing conditions, use of an agriculturally approved sprayable liquid fertilizer together with the non-ionic surfactant, may enhance control. Use 28%, 30%, or 32% urea ammonium nitrate at 2.5% volume/volume (2.5 gal/100 gal). **Note: Do not use liquid fertilizer solutions or suspensions as the total carrier because excessive crop injury may occur.** Use only EPA approved surfactants for use on food crops.

**Tank Mixing:** BF-308-Broadstrike WDG may be applied alone or in tank mix combination with other herbicides registered for postemergence application in soybeans unless tank mixing is specifically prohibited by the label of the tank mix product. When BF-308-Broadstrike WDG is tank-mixed with a companion herbicide, follow all relevant applicable use directions, including precautions, restrictions and limitation listed on the manufacturer's label.

BF-308-Broadstrike WDG tank mixes with products for postemergence grass control such as Assure, Fusilade 2000 or Poast will not affect the performance of BF-308-Broadstrike WDG, however, the performance of the grass control product may be adversely affected through herbicide antagonism. For best results, application of postemergence grass control products should be delayed for 3 days after applying BF-308-Broadstrike WDG.

### Warranty Disclaimer

DowElanco warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions, subject to the inherent risks set forth below. DowElanco MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

### Inherent Risks of Use

It is impossible to eliminate all risks associated with use of this product. Crop injury, lack of performance, or other unintended consequences may result because of such factors as use of the product contrary to label instructions (including conditions noted on the label, such as unfavorable temperatures, soil conditions, etc.), abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricanes), presence of other materials, the manner of application, or other factors, all of which are beyond the control of DowElanco or the seller. All such risks shall be assumed by buyer.

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**Limitation of Remedies**

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The exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, strict liability, or other legal theories), shall be limited to, at DowElanco's election, one of the following:

- (1) Refund of purchase price paid by buyer or user for product bought, or
- (2) Replacement of amount of product used.

DowElanco shall not be liable for losses or damages resulting from handling or use of this product unless DowElanco is promptly notified of such loss or damage in writing. In no case shall DowElanco be liable for consequential or incidental damages or losses.

The terms of the Warranty Disclaimer above and this Limitation of Remedies cannot be varied by any written or verbal statements or agreements. No employee or sales agent of DowElanco or the seller is authorized to vary or exceed the terms of the Warranty Disclaimer or this Limitation of Remedies in any manner.

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