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62719-240

10/25

OCT 20 1995

Dennis H. Lade, Ph.D.
DowElanco
9330 Zionsville Road
Indianapolis, IN 46268

Dear Dr. Lade:

Subject: Broadstrike® SF + Dual® Herbicide
EPA Registration No. 62719-240
Application Dated June 30, 1995 and Resubmissions
Dated September 19, 1995 and October 18, 1995,
Request to Register Proposed Labeling Revisions
Listed in Your List Dated October 5, 1995

The proposed amendments to the subject pesticide product registration have been reviewed and found acceptable under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) as amended, provided that you:

- o Submit one (1) printed copy of the final printed label before releasing the product for shipment, under the subject labeling.

If this condition is not complied with, the registration will be subject to cancellation in accordance with FIFRA, Section 6(e). Your release for shipment of the product constitutes acceptance of this condition.

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

Sincerely yours,

Joanne I. Miller
Product Manager (23)
Fungicide-Herbicide Branch
Registration Division (7505C)

Enclosure

Ew11son:Diskette:ABC26:10-19-85							
CONCURRENCES							
SYMBOL							
SURNAME							
DATE							

ACCEPTED
with COMMENTS
In EPA Letter Dated

OCT 20 1995

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

62719-248

(Base label):

(logo) DowElanco

Broadstrike* SF+Dual®

A selective soil-applied herbicide for the preemergence control of annual grass
and broadleaf weeds in soybeans and field corn.

Active Ingredients

metolachlor: 2-chloro-N-(2-ethyl-6-methylphenyl)-(2-methoxy-1-methylethyl) acetamide	79.9%
flumetsulam: N-(2,6-difluorophenyl)-5-methyl-1,2,4-triazolo-[1,5a]-pyrimidine-2-sulfonamide	2.6%
Inert ingredients	17.5%
Total	100.0%

Contains 7.47 pounds of metolachlor and 0.25 pounds of flumetsulam per gallon.

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

Precautionary Statements**Hazards to Humans and Domestic Animals**

Keep Out of Reach of Children

WARNING AVISO

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.)

Causes Substantial But Temporary Eye Injury • Do Not Get In Eyes, On Skin, Or On Clothing • Harmful If Swallowed, Inhaled, Or Absorbed Through Skin

Avoid breathing spray mist. The active ingredient metolachlor may cause skin sensitization reactions in certain individuals.

Personal Protective Equipment (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category H on an EPA chemical resistance category selections chart.

Applicators and other handlers must wear:

- Coveralls over short-sleeved shirt and short pants
- Chemical-resistant gloves such as Barrier Laminate or Viton
- Chemical-resistant footwear plus socks
- Protective eyewear
- Chemical-resistant headgear for overhead exposure
- Chemical-resistant apron when cleaning equipment, mixing, or loading

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. 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.
- 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.

First Aid

If in eyes: Hold eyelids open and flush with a steady stream of water for 15 minutes. Call a physician.

If on skin: Immediately wash with plenty of soap and water. Get medical attention.

If swallowed: Do not induce vomiting. Call a physician or Poison Control Center. If available, administer activated charcoal (6-8 heaping teaspoonfuls) with a large quantity of water. Do not give anything by mouth to an unconscious person. Immediately transport to a medical care facility and see a physician.

If inhaled: Remove individual to fresh air. Get medical attention if breathing difficulty occurs. If not breathing, give artificial respiration, preferably cardiopulmonary resuscitation assistance, and get medical help immediately.

Note to Physician: If swallowed, there is no specific antidote. Stomach lavage and immediate administration of activated charcoal (6-8 heaping teaspoonfuls) with water should be considered. Treatment is otherwise symptomatic and supportive.

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.

Ingredients in this product have been identified in limited sampling of groundwater and there is the possibility that they may leach through the soil to groundwater, especially where soils are coarse and groundwater is near the surface. Following application and during rainfall events that cause runoff, this product may reach surface water bodies including streams, rivers, and reservoirs.

Care must be taken when using this product to prevent: 1) back siphoning into wells; 2) spills; or 3) improper disposal of excess pesticide spray mixtures or rinsates. Check-valves or anti-siphoning devices must be used on all mixing equipment.

Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. Refer to 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), User Safety Recommendations 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.

Shake Well Before Using.

EPA Reg. No. 62719-240

EPA Est. 464-MI-1

*Trademark of DowElanco

® Dual is a registered trademark Trademark of Ciba-Geigy Corporation
DowElanco • Indianapolis, IN 46268 U.S.A.

Herbicide

Net Contents XXX

(Datapack cover):

(logo) DowElanco

Broadstrike* SF+Dual®

A selective soil-applied herbicide for the preemergence control of annual grass and broadleaf weeds in soybeans and field corn.

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Inert ingredients	17.5%
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® Dual is a registered trademark. Trademark of Ciba-Geigy Corporation

DowElanco • Indianapolis, IN 46268 U.S.A.

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Herbicide

Net Contents XXX

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(Page 1 through end):

Precautionary Statements

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Avoid breathing spray mist. The active ingredient metolachlor may cause skin sensitization reactions in certain individuals.

Personal Protective Equipment (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category H on an EPA chemical resistance category selections chart.

Applicators and other handlers must wear:

- Coveralls over short-sleeved shirt and short pants
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- Protective eyewear
- Chemical-resistant headgear for overhead exposure
- Chemical-resistant apron when cleaning equipment, mixing, or loading

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. 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.
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Care must be taken when using this product to prevent: 1) back siphoning into wells; 2) spills; or 3) improper disposal of excess pesticide spray mixtures or rinsates. Check-valves or anti-siphoning devices must be used on all mixing equipment.

Directions for Use

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.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your state or tribe, consult the agency responsible for pesticide regulation.

Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours. **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 over short-sleeved shirt and short pants
- Chemical-resistant gloves such as Barrier Laminate or Viton
- Chemical-resistant footwear plus socks
- Protective eyewear
- Chemical-resistant headgear for overhead exposure

Storage and Disposal

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

Storage: Do not store below minus 30°F. To increase pump flow rate, the Traveler® 110 returnable mini-bulk container should be stored indoors (> 40 °F) before use. Store in original container only. Do not store near heat or flame. In case of leak or spill, use absorbent materials to contain liquids and dispose as waste. For minor spills, leaks, etc., follow all precautions on this label and clean up immediately.

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 offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Container Disposal for Refillable Containers: Container must be returned to a collection site designated by DowElanco. If the container has been damaged and cannot be returned according to the recommended procedures, contact DowElanco Customer Service Center at 1-800-258-1470 to obtain proper handling instructions.

General Information

Broadstrike® SF+Dual® herbicide is a selective soil applied herbicide product for the control of annual grass and broadleaf weeds. Broadstrike SF+Dual may be preplant surface applied, preplant incorporated, or applied as a preemergence treatment in water or liquid fertilizer and can be impregnated on dry bulk fertilizer. Broadstrike SF+Dual controls broadleaf weeds during germination, or soon after emergence, and grass weeds during germination. Susceptible weeds exposed to Broadstrike SF+Dual either die or remain non-competitive with the crop. ~~Because the herbicidal activity of Broadstrike SF+Dual on broadleaf weeds involves uptake and translocation to weed growing points, adequate soil moisture is necessary for optimal activity.~~ Adequate soil moisture is necessary for effective herbicidal activation, because uptake and translocation of Broadstrike SF+Dual involves uptake by both emerging shoots and/or roots. Broadstrike SF+Dual may provide residual control of susceptible broadleaf weeds which emerge after application.

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 mixing/loading station.

Dilute and agitate excess solution and apply at labeled rates/uses.

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

Sprayer Cleanup

To avoid injury or exposure to nontarget crops, thoroughly clean all mixing and spray equipment on approved rinse pads or on the field site where an approved crop is to be grown. Do this immediately after application and prior to use on crops other than those registered for use on this label. ~~All rinsate material should 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).~~ Spray equipment should be cleaned at the end of each day by the following procedure:

1. Drain any remaining Broadstrike SF+Dual from the spray tank and dispose of according to label disposal instructions.

2. Hose down the interior surfaces of the tank and fill the tank 1/2 full with water. Recirculate for 5 minutes. Spray part of the mixture through the hoses, boom, and nozzles and drain the tank. All rinsate material should 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).
3. Remove the nozzles and screens and clean separately.
4. If the spray equipment will be used on crops other than those registered for use on this label, 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.

General Use Precautions

Application/Incorporation

Uneven application or incorporation of Broadstrike SF+Dual can result in erratic weed control or crop injury. Over application may result in crop injury or rotational crop damage from soil residue. ~~Injury may occur following the use of Broadstrike SF+Dual under abnormally high soil moisture conditions during early crop development.~~

If Broadstrike SF+Dual is incorporated, any supplemental tillage before planting must not exceed the depth of incorporation.

Use of this product in Suffolk and Nassau counties in the state of New York is prohibited.

Tank Mixing

Broadstrike SF+Dual may be tank-mixed or followed by overlay or postemergence treatments registered for use on corn or soybeans to broaden the spectrum of weeds controlled. Follow all applicable use directions, precautions, restrictions, and limitations on the labels of each product used in tank mixtures. Tank mixtures are permitted only in those states where the tank mix partner is registered.

Where directions for use on corn allow a tank mixture with AAtrex formulations, other brands of atrazine may also be used. Follow the rates, recommendations, and limitations on the product label for AAtrex or other atrazine product used. Note: Certain states may have established rate limitations for atrazine within specific geographical areas. Consult your State Lead Pesticide Control Agency for additional information. It is a violation of this label to deviate from state use regulations.

Adverse Weather Conditions

Extended cold wet conditions (soil temperatures below 50°F for extended periods) following application of Broadstrike SF+Dual, or abnormally high soil moisture conditions during emergence and early crop development can cause injury symptoms on corn such as temporary yellowing of the leaves and/or crop stunting. Corn will quickly outgrow these symptoms once normal growing conditions resume.

When applications are made under adverse (dry or cold) conditions or when less susceptible species are treated, partial weed control may be observed. Partial weed control is a visual reduction in weed competition (reduced population, size, and/or vigor) as compared to an untreated area. If these conditions exist, a cultivation can provide enhanced control.

~~Dry weather following preemergence applications of Broadstrike SF+Dual may reduce effectiveness. Cultivate when weeds develop.~~

Dry weather following preplant surface or preemergence applications of Broadstrike SF+Dual may reduce effectiveness. If sufficient activating rainfall or overhead irrigation does not occur within 7 to 10 days of application, rotary hoe, harrow, or shallowly cultivate to incorporate the herbicide lightly into the

soil. Use a preplant incorporated application if furrow irrigation is used or when a period of dry weather after application is expected.

Corn Planting Depth:

When using Broadstrike SF+Dual, corn should be planted at least 1 1/2 inches deep.

Soil Conditions

Use the lowest end of the application rate range in the use directions on treatment sites where soils contain gravel or have a sand or loamy sand texture throughout the soil profile.

Do not use on peat or muck soils.

Do not apply to areas where (both apply) the soil pH is less than 5.9 and organic matter is greater than 5% or reduced weed control will result.

Do not apply to soils that contain greater than 5% O.M. with a pH below 5.9 or reduced weed control will result.

Do not apply to areas where the soil pH is greater than 7.8 as this may result in increased crop injury.

Do not apply to any soil with a pH greater than 7.8 as unacceptable crop injury may result.

Corn Only - Use of Broadstrike SF+Dual on soils that average less than 1.5% O.M. may result in crop injury. Apply on soils which average less than 1.5% O.M. only if the risk of crop injury is acceptable.

Use With Other Products

Soil insecticides should be used applied in a T-band or a band to avoid potential serious crop injury when Broadstrike SF+Dual is used for annual grass and broadleaf weed control in corn. Do not use Broadstrike SF+Dual on coarse textured soils (sand, loamy sand or sandy loam), if Counter insecticide has been applied to corn.

If any ALS (acetolactate synthase) inhibiting herbicides such as Pursuit, Preview, Canopy, Classic, Scepter, Squadron, etc. were applied the previous crop year, apply Broadstrike SF+Dual to corn, only if the rotational restrictions to corn for these products have been met.

Corn previously treated with Broadstrike SF+Dual that is stressed or damaged by conditions such as cold weather, hail, drought, water saturated soil, disease, or insects should not be treated with Accent, Beacon Permit, Exceed, Basis, or other acetolactate synthase (ALS) inhibiting herbicides as this may cause further crop injury.

Other Precautions and Restrictions

Corn inbred lines grown for hybrid seed production may be injured by Broadstrike SF+Dual. Therefore, inbred lines should be thoroughly tested for crop tolerance before treating large acreage.

Do not apply to sweet corn or popcorn.

Do not apply to emerged soybeans.

Do not graze or feed treated soybean forage, hay, or straw to livestock.

Chemigation: Do not apply this product through any type of chemigation system.

Preharvest Interval: Do not apply Broadstrike SF+Dual within 85 days of harvest.

Maximum Application Rate: Do not make more than one application of Broadstrike SF+Dual per year or exceed a total application rate of 2.25 pints per acre (0.07 lb a.i. flumetsulam Broadstrike/acre) in a single crop year.

Do not aerially apply Broadstrike SF+Dual. Apply using ground equipment only.

Avoid all direct or indirect contact with nontarget plants. Do not apply near desirable vegetation, and allow adequate distance between target area and desirable plants.

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Do not apply under conditions which favor runoff or wind erosion of soil containing Broadstrike to nontarget areas. To prevent off-site movement due to runoff or wind erosion:

- Avoid treating powdery dry or light sandy soils when conditions are favorable for wind erosion. Under these conditions, the soil surface should first be settled by rainfall or irrigation.
- Do not apply to impervious substrates such as paved or highly compacted surfaces, or frozen or snow covered ground.
- Do not apply to soils when saturated with water.
- Do not use tailwater from the first flood or furrow irrigation of treated fields to treat nontarget crops unless at least 1/2-inch of rainfall has occurred between application and the first irrigation.

Do not apply when weather conditions favor drift to nontarget sites. To minimize spray drift to nontarget areas:

- Use low pressure application equipment capable of producing a large droplet spray.
- Do not use nozzles that produce a fine droplet spray.
- Minimize drift by using sufficient spray volume to ensure adequate coverage with large droplet-size sprays.
- Keep ground-driven spray boom as low as possible above the target surface.
- Spray when conditions are calm or wind speed is low. Do not spray when wind is gusting or steady wind speed is greater than 10 mph.

Rotation Crop Restrictions

The following crops may be planted after the indicated interval following application of Broadstrike SF+Dual.

Crop	Rotational Crop Interval
soybeans, corn (Field, Silage, Seed)	0 months
alfalfa, dry beans, peas, peanuts, sweet potatoes	4 months
barley, oats, rye, wheat	4 1/2 months
rice, sweet corn , popcorn, tobacco	9 months
grain sorghum, potatoes	12 months
grain sorghum, sweet corn, sunflower, cotton	18 months
cotton	22 months
sugar beets, rapeseed (canola)	26 months

Note: Rotation to sugar beets, canola, and all other crops requires a 26 month rotation interval and a successful field bioassay.

Field Bioassay Instructions: Using typical tillage, seeding practices, and timings for the particular crop, plant several strips of the desired crop variety across the field previously treated with Broadstrike SF+Dual. Plant the strips perpendicular to the direction Broadstrike SF+Dual was applied. The strips should also be located so that different field conditions are encountered, including differences in soil texture, pH, and drainage. If the crop does not show visible symptoms of injury, stand reduction, or yield reduction, the field can be seeded with the test crop in the growing season following the bioassay. If visible injury, stand reduction, or yield reduction occurs, the test crop should not be seeded, and the bioassay must be repeated the next growing season.

Soil Textures and Herbicide Rates

Where rates are based on coarse, medium, or fine-textured soils, it is understood that soil textural classes are generally categorized as follows:

Coarse	Medium	Fine
Sand	Loam	Silty Clay Loam, Sandy Clay
Loamy Sand	Silt	Sandy Clay Loam, Clay Loam
Sandy Loam	Silt Loam	Silty Clay, Clay

Within rate ranges, use the lower rates on coarse-textured soils or soils low in organic matter and use the higher rates on soils relatively fine-textured or high in organic matter.

Mixing Instructions

Broadstrike SF+Dual Alone

Fill the spray tank 1/2 to 3/4 full with water or fluid fertilizer. Add the required amount of Broadstrike SF+Dual, then add the rest of the water or fluid fertilizer. Provide sufficient agitation during mixing and application to maintain a uniform emulsion.

Tank Mixtures

Fill the spray tank 1/4 full of water and start agitation. Add Broadstrike SF+Dual followed by the appropriate tank mix product and the remainder of the water. Refer to the label of the product to be tank mixed with Broadstrike SF+Dual for any special tank mixing instructions. For tank mixtures with liquid fertilizer, always check compatibility with the liquid fertilizer as described below before mixing in spray tank. For all tank mixtures, agitate during mixing and application to maintain a uniform spray mixture.

Tank Mixtures With 2,4-D or AAtrex for Field Corn: Fill the spray tank 1/4 full of water and start agitation. Add 2,4-D or AAtrex and allow to become dispersed, add Broadstrike SF+Dual, then add other products being used and the rest of the water. For tank mixtures with AAtrex, fluid fertilizers may replace all or part of the water as carrier. For tank mixtures with AAtrex, see additional mixing instructions on the label for AAtrex-label. For tank mixtures with liquid fertilizer, always check compatibility with the liquid fertilizer as described below before mixing in spray tank. For all tank mixtures, agitate during mixing and application to maintain a uniform spray mixture.

Liquid Fertilizer Compatibility Test: Since liquid fertilizers can vary, even within the same analysis, always check compatibility with herbicide(s) each time before use. Be especially careful when using complete suspension or fluid fertilizers as serious compatibility problems are more likely to occur. Commercial application equipment may improve compatibility in some instances. The following test assumes a spray volume of 25 gallons per acre. For other spray volumes, make appropriate changes in the ingredients. Check compatibility using this procedure:

1. Add 1 pint of fertilizer to each of 2 one-quart jars with tight lids.
2. To 1 of the jars add 1/4 teaspoon or 1.2 milliliters of a compatibility agent approved for this use, such as Compex or Unite (1/4 teaspoon is equivalent to 2 pints per 100 gallons spray). Shake or stir gently to mix.
3. To both jars add the appropriate amount of herbicide(s). If more than 1 herbicide is used, add them separately with dry herbicides first, flowables next, and emulsifiable concentrates last. After each addition, shake or stir gently to thoroughly mix. The appropriate amount of herbicides for this test follows:

Dry Herbicides - For each pound to be applied per acre, add 1.5 level teaspoons to each jar.

Liquid Herbicides - For each pint to be applied per acre, add 0.5 teaspoon or 2.5 milliliters to each jar.

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4. After adding all ingredients, put lids on and tighten, and invert each jar 10 times to mix. Let the mixtures stand 15 minutes and then look for separation, large flakes, precipitates, gels, heavy oily film on the jar, or other signs of incompatibility. Determine if the compatibility agent is needed in the spray mixture by comparing the two jars. If either mixture separates, but can be remixed readily, the mixture can be sprayed as long as good agitation is used. If the mixtures are incompatible, test the following methods of improving compatibility: (a) slurry the dry herbicide(s) in water before addition, or (b) add 1/2 of the compatibility agent to the fertilizer and the other 1/2 to the emulsifiable concentrate or flowable herbicide before addition to the mixture. If incompatibility is still observed, do not use the mixture.

Application Instructions

Application Timing

Application times for Broadstrike SF+Dual are indicated below. Broadstrike SF+Dual may also be applied in tank mix combination with other pesticides provided the label of the companion product allows such application timing. Refer to the tank mix product label to determine if the application times listed below are permitted.

Preplant Surface-Applied: For minimum-tillage or no-tillage systems only, Broadstrike SF+Dual alone and certain ~~Broadstrike SF+Dual~~ tank mixtures of Broadstrike SF+Dual may be applied up to 30 days before planting. If weeds are present at the time of treatment, apply in a tank mixture combination with a contact herbicide such as Gramoxone Extra or Roundup. Observe directions for use, precautions, and restrictions on the label of the contact herbicide. 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.

Preplant Incorporated: Apply Broadstrike SF+Dual to the soil and incorporate into the top 2 inches of soil within 14 days before planting using a finishing disk, harrow, rolling cultivator, field cultivator, or similar implement capable of providing uniform 2 inch incorporation. ~~Use a preplant incorporated application if furrow irrigation is used or when a period of dry weather after application is expected.~~ If crop is to be planted on beds in bedded culture, apply and incorporate Broadstrike SF+Dual after bed beds are formation formed unless specified otherwise. Precaution: To avoid crop injury, do not apply mixtures of Broadstrike SF+Dual and fertilizer in bedded culture.

Preemergence: Apply Broadstrike SF+Dual during planting (behind the planter) or after planting, but before weeds or crops emerge.

Ground Application

Apply Broadstrike SF+Dual alone or in tank mixtures by ground equipment in a minimum of 10 gallons of spray mixture per acre unless otherwise specified.

Use sprayers that provide accurate and uniform application. For ~~Broadstrike SF+Dual~~ tank mixtures of Broadstrike SF+Dual with wettable powder or dry flowable formulations, screens and strainers should be no finer than 50-mesh. Rinse sprayer thoroughly with clean water immediately after use.

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

Band width in inches		X	Broadcast rate	=	Amount needed
row width in inches			per acre		per acre of field

Low Carrier Application (Broadcast Ground Application Only)

Use sprayers such as Melroe Spra-Coupe, Hagie, John Deere Hi-Cycle, ~~or~~ Willmar Air Ride, Tyler Patriot, or Aq-Chem RoGator to provide accurate and uniform application. Only water may be used as a carrier. Screens in suction and in-line strainers should be 50-mesh. Manufacturers may require that tip screens as fine as 100-mesh be used with some nozzles. Use a pump with capacity to: (1) maintain up

to 35 to 40 psi at the nozzles, and (2) provide sufficient agitation in tank to keep mixture in suspension. Use a minimum of 5 gallons of spray mixture per acre. Maximum recommended sprayer speed is 15 mph. Rinse sprayer thoroughly with clean water immediately after each use.

Note: Low pressure nozzles are recommended to reduce drift and increase application accuracy. Care should be taken when using automatic rate controlling devices to spray the material within the rated working pressure and flow ranges of the nozzles selected. Nozzle screens should be used when recommended by the manufacturer. All nozzles should be placed on 20-inch centers, except flooding types; which should be placed on 40-inch centers. When flat fan type nozzles are used, angles of 80° to 110° are recommended. Always read and follow the manufacturer's directions for optimum setup and performance of their nozzles to tips.

Application With Dry Bulk Granular Fertilizers

When applying Broadstrike SF+Dual with dry bulk granular fertilizers, follow all applicable directions for use and precautions on this label.

Many dry bulk granular fertilizers may be impregnated or coated with Broadstrike SF+Dual for preplant incorporated or preplant surface application to control weeds in crops on the label for Broadstrike SF+Dual-label.

~~When applying Broadstrike SF+Dual with dry bulk granular fertilizers, follow all applicable directions for use and precautions on this label.~~

Compliance with applicable ~~Federal~~ federal and ~~State~~ state laws and regulations relating to blending, registration, labeling, and application of pesticides mixed with dry bulk granular fertilizer is the responsibility of the individual and/or company distributing or offering the herbicide/fertilizer mixture for sale.

Prepare the granular fertilizer/herbicide mixtures by using any closed drum, belt, ribbon, or other commonly used dry bulk fertilizer blender. Nozzles used to spray ~~Broadstrike SF+Dual~~ tank mixtures of Broadstrike SF+Dual onto the fertilizer must be placed to provide uniform spray coverage. Care should be taken to aim the spray directly onto the fertilizer only and to avoid spraying the walls of the blender.

If the fertilizer/herbicide mixture is too wet, add a highly absorptive material, such as Agisorb FG or Celatom MP-79, or similar granular clay or diatomaceous earth materials, to obtain a dry free-flowing mixture. Absorptive materials should be added only after the herbicide has been thoroughly blended into the fertilizer mixture. Best application results will be obtained by using a granule of 6/30 particle size or of a size similar to the fertilizer materials being used. Generally, less than 2% by weight of absorptive material will be needed. Avoid using more than 5% absorptive material by weight.

Calculate amounts of Broadstrike SF+Dual by the following formula:

$$\frac{2,000}{\text{Pounds of fertilizer per acre}} \times \text{Pints/ acre of liquid or flowable product} = \text{Pints of liquid or flowable product per ton of fertilizer}$$

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

Pneumatic (Compressed Air) Application (Broadstrike SF+Dual Alone)

High humidity, high urea concentrations, low fertilizer use rates, and dusty fertilizer may cause fertilizer mixture to build up or plug the distributor head, ~~air~~ delivery tubes, or nozzle deflector plates on pneumatic applicators. Research has shown that certain additives can help the herbicide flow better, improve penetration, and reduce fertilizer mixture build-up. Premix Broadstrike SF+Dual with Exxon Aromatic 200[®] (A-200) at 1 to 2 pints/gallon of formulation and spray the mixture uniformly onto the dry

fertilizer. It is important that the additive be blended well with the herbicide. Optimal A-200 rates may vary depending on fertilizer rate and type and environmental conditions. To minimize buildup, premix Broadstrike SF+Dual with a non-combustible/nonflammable mineral seal oil, at 1 to 2 pints of mineral seal oil per acre and spray mixture uniformly onto fertilizer. Aromatic 200 is a noncombustible/nonflammable petroleum product. Aromatic 200 may be used in a fertilizer blender or through direct injection systems. Mineral seal oil additive may be used either in a fertilizer blender or through direct injection systems. Use only those oils recommended by Ciba Plant Protection, i.e., Kermac-60 Solvent or CV-600 or a similar mineral seal oil. Drying agents should not be used when using oil additives.

Notes: ~~(1) Some separation of the Broadstrike SF+Dual + mineral seal oil mixture may occur in temperatures below 40°F. To assure uniform application, use either in-tank agitation to keep the products mixed or keep the products heated above 40°F before mixing.~~ (1) Broadstrike SF+Dual/A-200 blends should be used for impregnation onto dry fertilizer only. ~~(2) When impregnating Broadstrike SF+Dual in a blender before application, a drier mixture can be attained by substituting a drying agent for mineral seal oil. The use of Agsorb granules is recommended over other types of absorptive materials.~~ (3) ~~Drying agents are not recommended for use with On-The-Go impregnation equipment.~~ (2) Drying agents should not be used when using A-200 or other petroleum additives. (3) When switching impregnated 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 undiluted A-200. Then, impregnate the rinsate onto a load of dry fertilizer intended for an approved crop. Use a maximum rate of 1 gallon of rinsate/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 applying any material to crops other than corn.

Precautions: To avoid potential for explosion, (1) Do not impregnate Broadstrike SF+Dual or mixtures of Broadstrike SF+Dual mixtures on ammonium nitrate, potassium nitrate, or sodium nitrate either alone or in blends with other fertilizers. (2) Do not use Broadstrike SF+Dual or ~~Broadstrike SF+Dual~~ tank mixtures of Broadstrike SF+Dual on straight limestone since absorption will not be achieved. Fertilizer blends containing limestone can be impregnated.

Application of Dry Bulk Fertilizer: Apply 200 to 700 pounds of the fertilizer/herbicide mixture per acre. For best results, 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 use the fertilizer/herbicide mixture on crops planted on beds where bedding occurs.

Weeds Controlled by Soil Applied Broadstrike SF+Dual

Grass Weeds:

barnyardgrass
(watergrass)
crabgrass
crowfootgrass
cupgrass, prairie
cupgrass, Southwestern
fall panicum
foxtail, giant
green
millet
yellow
goosegrass

17942

johnsongrass (seedling)[†]
 millet, wild proso[†]
 nutsedge, yellow
 red rice
 sandbur[†]
 shattercane[†]
 signalgrass
 sorghum, volunteer[†]
 Witchgrass

Broadleaf Weeds:

anoda, spurred
 amaranth, palmer
 beggarweed, Florida^{††}
 carpetweed
 chickweed
 cocklebur, common^{††}
 goosefoot
 henbit
horseweed (maretail)
 jimsonweed^{††}
 kochia
 lambsquarters, common
 ladythumb
 mallow, Venice
 mustard, wild
 morningglory spp.^{††}
 nightshade, black
 nightshade, cutleaf
 nightshade, Eastern black
 nightshade, hairy
 pigweed, smooth
 pigweed, redroot
poinsettia, wild
 puncturevine
 purslane, common
 pusley, Florida
 ragweed, common^{††}
ragweed, giant[†]
 Russian thistle
shepherd's purse
 sicklepod^{††}
 sida, prickly
 smartweed, Pennsylvania
spurge, nodding
 spurge, spotted
 sunflower, wild
 velvetleaf
 waterhemp, tall

[†]Weeds partially controlled: Control of these weeds may be improved by following the suggested procedures in 1-4 below. Control of giant ragweed may be improved by following 1-6 below.

^{††}Control of light to moderate infestations: Control may vary according to weed density and soil conditions at the time of application. Control of these weeds may be improved by following the suggested procedures in 1-6 below:

1. Thoroughly till moist soil to destroy germinating and emerged weeds. This tillage may be used to incorporate Broadstrike SF+Dual in preplant incorporated situations when uniform-2" 2 inch incorporation is achieved.
2. Plant crop into moist soil immediately after tillage. If Broadstrike SF+Dual is to be applied preemergence, apply at planting or immediately afterwards.
3. If available, sprinkle-irrigate within 2 days after application. Apply 1/2 to 1 inch of water, depending on soil texture.
4. If irrigation is not possible and rain does not occur within-2 7 to 10 days after planting and application, weed control may be decreased. Under these situations a uniform shallow cultivation or rotary hoeing is recommended as soon as weeds emerge.
5. Common cocklebur and common ragweed are best controlled by preplant incorporated treatments.
6. Enhanced control of cocklebur, jimsonweed, morningglory, common ragweed, giant ragweed, Florida beggarweed, and sicklepod may be achieved by using the upper end of the rate range for the soil texture class to be treated, or with tank mixes.

Note: Triazine resistant "resistant" weeds (triazine tolerant biotypes) on this label are controlled by Broadstrike SF+Dual.

Approved Uses

CORN - FIELD, SILAGE AND SEED

(Do not apply to sweet corn or popcorn)

Preplant Surface Applied Treatments

Broadstrike SF+Dual may be surface applied as an early preplant treatment in minimum or no tillage systems in the states of CO, CT, DE, IA, IL, IN, KS, KY, MA, MD, ME, MI, MN, MO, MT, ND, NE, NH, NJ, NY, OH, PA, RI, SD, TN, VA, VT, WI, WV, and WY. On medium and fine textured soils, early preplant treatments may be applied up to 30 days before planting. On coarse textured soils, do not apply more than 14 days before planting.

Broadcast application rates:

Soil Texture	pt/acre	
	<3% O.M.	>3% O.M.
Coarse [†]	1.6-2.0	1.6-2.0
Medium [†]	1.8-2.0-2.2	2.0-2.2
Fine [†]	2.0-2.2	2.0-2.2

Note: Control of common ragweed, giant ragweed, cocklebur, morningglory, jimsonweed, Florida beggarweed, and sicklepod may be enhanced by using the upper end of the rate range or by adding up to 1.5 lb a.i./acre of atrazine to the mixture. [Editor's note: "†" symbols connecting rates and "Note" below table were removed since "Note" applied to all rates.]

[†]Where grass populations are expected, refer to Section 6 of the Corn Tank Mix section of this label for details on the use of additional Dual-8E or Dual II for optimum grass control. The additional Dual or Dual II may be tank mixed with Broadstrike SF+Dual or can be applied at planting.

Preplant Incorporated or Preemergence Treatments

Broadstrike SF+Dual may be applied as a preplant incorporated up to 14 days before planting or preemergence treatment during planting (behind the planter) or after planting before emergence of weeds or crop.

Broadcast application rates:

Soil Texture	pt/acre	
	<3% O.M.	>3% O.M.
Coarse	1.6 - 2.0	1.6 - 2.0
Medium [†]	1.8 - 2.2	1.8-2.0-2.2
Fine [†]	1.8-2.2	1.8-2.2

Note: Control of common ragweed, giant ragweed, cocklebur, morningglory, jimsonweed, Florida beggarweed, and sicklepod may be enhanced by using the upper end of the rate range or by adding up to 1.5 lb a.i./acre of atrazine to the mixture. [Editor's note: "+" symbols connecting rates and "Note" below table were removed since "Note" applied to all rates.]

¹For optimum grass control, refer to Section 6 of the Corn Tank Mix section of this label for details on the use of additional Dual-8E or Dual II.

Corn (Field, Silage, and Seed) - Tank Mixes

This product may be applied in tank mix combination with other products registered on this crop for the intended method and timing of application unless specifically prohibited by the label of the desired tank mix partner. When tank mixing with a companion herbicide, read and follow each manufacturer's label for weeds controlled, applicable use directions, precautions, and limitations before use.

1. Broadstrike SF+Dual plus AAtrex

Broadstrike SF+Dual may be applied in tank mix combination with 1.5 to 3 pints/acre of AAtrex 4L or equivalent rates of AAtrex Nine-O to improve the control of cocklebur, morningglories, ragweeds, jimsonweed, Florida beggarweed, and sicklepod.

Soil Texture	AAtrex 4L (pt/acre)	AAtrex Nine-O (lb/acre)
Coarse	1.5	0.83
Medium	2.0	1.1
Fine	2.5 - 3.0	1.4 - 1.7

Note: Follow rate restrictions on the label for AAtrex-label if more restrictive than this label. If AAtrex is applied at rates lower than those recommended on this label, broadleaf weed control may be reduced.

2. Broadstrike SF+Dual plus Bladex

Broadstrike SF+Dual may be applied in tank mix combination with 1 to ~~2.5 quarts~~ 2 pints/acre of Bladex 4L or equivalent rates of Bladex 90DF to improve the control of cocklebur, morningglories, ragweeds, jimsonweed, Florida beggarweed, and sicklepod. ~~(Two pints (1 quart of Bladex 4L equals 1.1 lb of Bladex 90DF).~~

Special Mixing Instructions: When tank mixing Broadstrike SF+Dual with Bladex, use the following instructions: Fill the spray tank 1/4 full with water or fluid fertilizer and start agitation. When using Bladex in tank mixtures, first add a compatibility agent, such as Unite or Compex at 2 to 3 pints/100 gallons of spray mixture. Next add the Bladex and allow it to become completely dispersed. Then add Broadstrike SF+Dual, allowing time for complete dispersion before adding the remainder of the water or fluid fertilizer. Agitate during mixing and application to maintain a uniform suspension. Tank mixtures with Bladex should not be allowed to stand without agitation. Empty the spray tank during the spraying operation. If fluid fertilizer is used as a carrier, check the compatibility of the tank mixture by conducting a jar test as described under "Mixing Instructions" in the "General Information" section of this label.

3. Broadstrike SF+Dual plus Gramoxone Extra or Roundup for minimum-tillage or no-tillage systems

In a minimum-tillage or no-tillage situation where corn is 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 SF+Dual. Apply in 20 to 60 gallons of water or fluid fertilizer per acre with ground equipment.

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

Gramoxone Extra: Use a nonionic surfactant at a rate of 1 or 2 pints/100 gallons in tank mixes with Gramoxone Extra. Use the 1 pint/100 gallon rate for surfactant products with 75% or greater nonionic active ingredient and the 2 pint/100 gallon rate for products containing 50% to 74% nonionic active ingredient. This treatment will not control weeds more than 6 inches tall. See the label for Gramoxone Extra for weeds controlled and recommended rates for specific weeds. Do not apply combinations containing Gramoxone Extra in suspension type fertilizers as the activity of the active ingredient, paraquat, will be reduced.

~~Roundup: Apply 1.5 quarts/acre for existing annual weeds or 2.4 quarts/acre for existing perennial weeds. See the Roundup label for weeds controlled and recommended rates for specific weeds. Apply in 20-60 gallons of water or fluid fertilizer per acre with ground equipment.~~

4. Broadstrike SF+Dual plus 2,4-D for minimum-tillage or no-tillage systems

Where heavy crop residues exist, add 1 to 2.0-3-1.6 pints/acre of an appropriately labeled 3.8 lb. a.e./gallon 2,4-D amine or ester (such as Weedar 64, Weedar 64A, DMA-4 Herbicide or Formula 40) to the spray tank and apply in a minimum of ~~25~~ 20 gallons of carrier/acre.

As carriers, nitrogen solutions and complete liquid fertilizers applied before corn emergence enhance burndown of existing weeds and, therefore, are recommended instead of water. Add ~~X-77~~ a nonionic surfactant at 1 to 2 quarts/100 gallons diluted spray or another appropriate surfactant at its recommended rate. Apply before weeds exceed 3 inches high. 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.

5. Broadstrike SF+Dual Plus Princep (4L, 80W or Caliber 90)

For enhanced control of heavy infestations of crabgrass or fall panicum in the northeastern U.S. (including the states of MI, IN, KY, IL, MO, OH, PA, NY, VT, NH, ME, MA, RI, CT, NJ, DE, MD, and VA), add up to 1 quart of Princep 4L (1.25 lb 80W or 1.1 lb Caliber 90) per acre to the recommended rate of Broadstrike SF+Dual.

6. Broadstrike SF+Dual plus Dual 8E or Dual II

For preplant surface, preplant incorporated, or preemergence application where severe grass populations are expected on medium or fine textured soils with relatively high organic matter content, Broadstrike SF+Dual may be tank mixed with additional Dual 8E or Dual II for optimum performance. Refer to the label for Broadstrike SF+Dual for its use rate and the amount of Dual it contains. Dual 8E or Dual II may be added up to, but not to exceed, the maximum label rate for Dual 8E or Dual II alone for the soil classification. The total application rate of Broadstrike SF+Dual plus Dual 8E or Broadstrike SF+Dual plus Dual II (pints/acre of each added together) cannot exceed the maximum application rate (pints/acre for Dual 8E or Dual II specified in their respective labels for soybean combinations. Refer to the respective labels and follow all directions, limitations, and restrictions for each product.

Corn - Broadstrike SF+Dual Followed by Postemergence Treatments

Broadstrike weeds not controlled by Broadstrike SF+Dual may be treated using postemergence herbicide products such as AAtrex, Banvel, 2,4-D, Marksman, Buctril, or Beacon ~~plus 2,4-D~~ tank mixed with any of the previously mentioned products. Annual grasses such as foxtail not controlled by Broadstrike SF+Dual may be treated with Accent or atrazine, and perennial Grass weeds such as shattercane, quackgrass, or rhizome johnsongrass not controlled by Broadstrike SF+Dual may be treated with Beacon or Accent herbicide. Read and follow each manufacturer's label for weeds controlled, applicable use directions, precautions, and limitations before use.

SOYBEANS

Preplant Surface Applied Treatments

Broadstrike SF+Dual may be surface applied as an early preplant treatment in minimum or no tillage systems in the states of CO, CT, DE, IA, IL, IN, KS, KY, MA, MD, ME, MI, MN, MO, MT, ND, NE, NH, NJ, NY, OH, PA, RI, SD, TN, VA, VT, WI, WV, and WY. On medium and fine textured soils, early

preplant treatments may be applied up to 30 days before planting. On coarse textured soils, do not apply more than 14 days before planting.

Broadcast application rates:

Soil Texture	pt/acre	
	<3% O.M.	>3% O.M.
Coarse [†]	1.6-2.0	1.6-2.0
Medium [†]	1.8-2.0-2.2	2.0-2.2
Fine [†]	2.0-2.2	2.0-2.2

Note: Control of common ragweed, giant ragweed, cocklebur, morningglory, jimsonweed, Florida beggarweed, and sicklepod may be enhanced by using the higher end of the rate range for each soil textural class. [Editor's note: "†" symbols connecting rates and "Note" below table were removed since "Note" applied to all rates.]

[†]Where grass populations are expected, refer to Section 4 of the Soybean Tank Mix section of this label for details on the use of additional Dual-8E or Dual II for optimum performance. The additional Dual or Dual II may be tank mixed with Broadstrike SF+Dual or can be applied at planting.

Preplant Incorporated or Preemergence Treatments

Broadstrike SF+Dual may be applied preplant incorporated within 14 days before planting.

Broadstrike SF+Dual may be applied as a preemergence treatment during planting (behind the planter) or after planting, but before weeds or crops crop emerge.

Broadcast application rates:

Soil Texture	pt/acre	
	<3% O.M.	>3% O.M.
Coarse	1.6 - 2.0	1.6 - 2.0
Medium [†]	1.8 - 2.2	1.8-2.0 - 2.2
Fine [†]	1.8-2.2	1.8-2.2

Note: Control of common ragweed, giant ragweed, cocklebur, morningglory, jimsonweed, Florida beggarweed, and sicklepod may be enhanced by using the higher end of the rate range for each soil textural class. [Editor's note: "†" symbols connecting rates and "Note" below table were removed since "Note" applied to all rates.]

[†]For optimum grass control, refer to Section 6 of the "Corn Tank Mix" section of this label for details on the use of additional Dual-8E or Dual II.

Soybeans - Tank Mixes

This product may be applied in tank mix combination with other products registered on this crop for the intended method and timing of application unless specifically prohibited by the label of the desired tank mix partner. When tank mixing with a companion herbicide, read and follow each manufacturer's label for weeds controlled, applicable use directions, precautions, and limitations before use.

1. Broadstrike SF+Dual plus Lorox, Sencor or Lexone

Broadstrike SF+Dual may be tank mixed with either Lorox, Sencor, or Lexone herbicides and applied to control additional weeds in soybeans. Read and follow the manufacturer's label for applicable use directions, application timing, precautions, and limitations before use.

2. Broadstrike SF+Dual plus Gramoxone Extra or Roundup or 2,4-D for Minimum Tillage or No-Tillage systems.

In minimum-tillage or no-tillage systems where soybeans are planted directly into a cover crop, stale seedbed, established sod, or previous crop residues, the contact herbicides Gramoxone Extra or Roundup or 2,4-D should be used in tank mix combination with Broadstrike SF+Dual. Apply in 20 to 60 gallons of water or fluid fertilizer per acre with ground equipment.

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

Gramoxone Extra: Use a nonionic surfactant at a rate of 1 or 2 pints/100 gallons in tank mixes with Gramoxone Extra. Use the 1 pint/100 gallon rate for surfactant products with 75% or greater nonionic active ingredient and the 2 pint/100 gallon rate for products containing 50% to 74% nonionic active ingredient. This treatment will control weeds from 1 to 6 inches tall. See the Gramoxone Extra label 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: Apply ~~1.5 quarts/acre for existing annual weeds or 2.4 quarts/acre for existing perennial weeds.~~ See the label for Roundup label for weeds controlled, recommended rates for specific weeds, and application instructions.

3. Broadstrike SF+Dual 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 in reduced tillage systems, Broadstrike SF+Dual may be applied in tank mix combination with an appropriately labeled 2,4-D product. Apply in a minimum of 20 gallons of carrier/acre. This use requires that planting of soybeans be delayed a minimum of 15 to 30 days following application to avoid potential crop injury from 2,4-D residues in soil. Follow the recommended rates, specific planting delays, and other use precautions and limitations on the label of the 2,4-D product used.

As carriers, nitrogen solutions and complete liquid fertilizers applied before crop emergence enhance burndown of existing weeds and, therefore, are recommended instead of water. Add a nonionic surfactant at 1 to 2 quarts/100 gallons diluted spray. Apply before weeds exceed 3 inches high. 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.

~~2,4-D: For burndown control of susceptible annual and perennial broadleaf weeds, 2,4-D can be applied in tank mix combination with Broadstrike SF+Dual prior to planting soybeans in reduced tillage systems. 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.~~

4. Broadstrike SF+Dual plus Dual-8E or Dual II

For preplant surface, preplant incorporated, or preemergence application where severe grass populations are expected on medium or fine textured soils with relatively high organic matter content, Broadstrike SF+Dual may be tank mixed with additional Dual-8E or Dual II for optimum performance. Refer to the label for Broadstrike SF+Dual for its use rate and the amount of Dual it contains. Dual-8E or Dual II may be added up to, but not to exceed, the maximum label rate for Dual-8E or Dual II alone for the soil classification. The total application rate of Broadstrike SF+Dual plus Dual-8E or Broadstrike SF+Dual plus Dual II (pints/acre of each added together) cannot exceed the maximum application rate (pints/acre for Dual-8E or Dual II specified in their respective labels for soybean combinations. Refer to the respective labels and follow all directions, limitations, and restrictions for each product.

Soybeans - Broadstrike SF+Dual Followed by Postemergence Herbicides

Broadleaf weeds not controlled by Broadstrike SF+Dual may be treated using 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 SF+Dual. Consult

the manufacturer's labels for application rates, weeds controlled, additional use directions, precautions, and limitations before use.

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.

Limitation of Remedies

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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