



# STRATEGY

## A Selective Herbicide For Preemergence Control of Certain Annual Grasses And Broadleaf Weeds In Cucumbers, Melons, Pumpkins, Squash, and Watermelons.

### ACTIVE INGREDIENT:

Ethalfuralin:N-ethyl-N-(2-methyl-2-propenyl)-2,6-dinitro-4-(trifluoromethyl)benzenamine .....	18.2%
Clomazone:2-(2-Chlorophenyl)methyl-4,4-dimethyl-3-isoxazolidinone .....	5.6%
<b>INERT INGREDIENTS .....</b>	<b>76.2%</b>
<b>TOTAL</b>	<b>100.0%</b>

Contains 1.6 pounds of ethalfuralin per gallon.  
 Contains 0.5 pounds of clomazone per gallon.  
 Contains petroleum distillates.

## KEEP OUT OF REACH OF CHILDREN CAUTION

EPA REG. NO. 34704-836

EPA EST. NO. 34704-MS-1

NET CONTENTS 2½ GALS. (9.46 L)

IHT 11/03

## PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Causes moderate eye irritation. Avoid contact with eyes or clothing. Wear long-sleeved shirt and long pants, socks and shoes.

### Personal Protective Equipment:

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

**Applicators and other handlers must wear:** Coveralls, long-sleeved shirt and long pants, chemical-resistant gloves, such as barrier laminate or viton, shoes plus socks, protective eyewear,

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 and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

### Engineering controls statements:

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

### 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 STATEMENTS

Have the product container label with you when calling a poison control center or doctor or going for treatment.

<b>If swallowed:</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>If on skin or clothing:</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15 to 20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If inhaled:</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
<b>If in eyes:</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>

FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL:  
1-800-301-7976.

### ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic invertebrates. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters or rinsate. Runoff or erosion from treated areas may be hazardous to fish in neighboring areas. Due to risk to plants and animals in aquatic habitats that receive runoff containing this product, use of controls such as a vegetative buffer strip to filter such water flow from recently treated fields is recommended.

### PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame.

### DIRECTIONS FOR USE

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

Do not apply this product aerially.

Do not apply through any type of irrigation system.

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 24 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is: Long-sleeved shirt and long pants, chemical-resistant gloves, such as barrier laminate or viton, shoes plus socks, protective eyewear.

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### GENERAL APPLICATION PRECAUTIONS

Failure to observe the precautions in this section of the label may result in injury to sensitive plants.

- The microencapsulation of this product is intended to minimize movement away from the site of application. Avoid making applications when spray particles may be carried by air currents to areas where sensitive crops and plants are growing, or when temperature inversions exist. Leave an adequate buffer zone between the area to be treated and desirable plants. Coarse sprays are less likely to drift out of the target area than fine sprays.
- Foliar contact with spray drift or vapors may cause foliar whitening or yellowing of sensitive plants. Symptoms are generally temporary in nature, but may persist on some plant species.

#### Application precautions must be taken as follows:

- Do not apply aerially or through irrigation equipment
  - Observe all buffer restrictions
  - Do not apply product within 300 feet of the following areas: Towns and Housing Developments, Commercial Fruit/Nut or Vegetable\* production, Commercial Greenhouses or Nurseries.
- \*Except for peppers, pumpkins, succulent peas, sweet corn, sweet potato, and winter squash.
- Before application, determine air movement and direction.
  - Do not apply product to non-field areas including fence rows, waterways, ditches and roadsides.
  - When moving spray equipment to noncontiguous sites, do not allow spray solution to spray or drip from the tanks, hoses, fitting or spray nozzles and tips.

### SPRAY DRIFT MANAGEMENT

The interaction of many equipment and weather-related factors determines the potential for spray drift. The applicator is responsible for considering all these factors when making application decisions. AVOIDING SPRAY DRIFT IS THE RESPONSIBILITY OF THE APPLICATOR.

### INFORMATION ON DROPLET SIZE

The most effective way to reduce drift potential is to apply large droplets. The best drift management strategy is to apply the largest droplets that provide sufficient coverage and control. Applying larger droplets reduces drift potential, but will not prevent drift if applications are made improperly, or under unfavorable environmental conditions. (see Wind, Temperature and Humidity, and Temperature Inversions)

### CONTROLLING DROPLET SIZE

- Volume - Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets.
- Pressure - Do not exceed the nozzle manufacturer's recommended pressures. For many nozzle types lower pressure produces larger droplets. When higher flow rates are needed, use higher flow rate nozzles instead of increasing pressure.
- Nozzle Type - Use a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. Consider using low-drift nozzles. Solid stream nozzles oriented straight back produce the largest droplets and the lowest drift.

### BOOM HEIGHT

Setting the boom at the lowest labeled height (if specified) which provides uniform coverage reduces the exposure of droplets to evaporation and wind. The boom should remain level with the ground surface/existing vegetation and have minimal bounce.

### WIND

Drift potential is lowest between wind speeds of 2-10 mph. However, many factors, including droplet size and equipment type determine drift potential at any given speed. Do not apply in winds above 10 miles per hour. AVOID GUSTY OR WIND-LESS CONDITIONS.

### TEMPERATURE AND HUMIDITY

When making applications in low relative humidity, set up equipment to produce larger droplets to compensate for evaporation.

### TEMPERATURE INVERSIONS

Applications should not occur during a temperature inversion because drift potential is high. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain in a concentrated cloud. This cloud can move in unpredictable directions due to the light variable winds common during inversions. Temperature inversions are characterized by increasing temperatures with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing.

### SPRAYER CLEANUP

Do not drain or flush equipment on or near desirable trees or other plants, or in areas where their roots may extend or in locations where the chemical may be washed or move into contact with their roots. Do not contaminate any body of water including irrigation water that may be used on other crops. Carefully follow sprayer

clean-up instructions noted below to prevent spray tank residues from damaging other crops.

Sprayer equipment should be thoroughly rinsed to remove residues of herbicide that might injure other subsequently sprayed crops. The steps below should be followed for the thorough rinsing of spray equipment following applications of STRATEGY.

- 1) Drain any remaining spray solution from tank, pump, hoses and boom and discard in an approved manner.
- 2) Clean tank and fittings by:
  - Thoroughly hosing down the inside walls of the spray tank with a quantity of water equal to 1/2 of the total tank capacity and operating the pump to circulate this solution through the sprayer system for 15 minutes.
  - Washing down the outside surfaces of equipment.
  - Removing nozzle tip and screen from end nozzle in each boom section and allowing several gallons of rinsate solution to flush completely through boom (collect rinsate while flushing).
- 3) Thoroughly drain remaining rinsate solution from tank, pump and hoses. Combine the boom flushing and dispose of all rinsate from the first rinsing in an approved manner.
  - When switching from water dilutions to applications utilizing crop oil or liquid fertilizer as a carrier, a small volume of crop oil or liquid fertilizer should be flushed through the tank, pump, hoses, and boom prior to the next use. Dispose of crop oil or liquid fertilizer rinsate in an approved manner.
- 4) Remove the remaining nozzle tips, and screens and the line filter and wash in a pail of warm soapy water, thoroughly rinse and replace.
- 5) Hose down the inside walls of the spray tank a second time and circulate this solution using the same procedure as noted in #2 above. When rinsate cannot be disposed of according to label instructions, dispose of in compliance with the local, state, and Federal guidelines. Contact your state pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA regional office for guidance.

### WEEDS CONTROLLED

STRATEGY is a preemergence herbicide that controls many annual grasses and broadleaf weeds. STRATEGY controls weeds as they germinate. STRATEGY will not control established weeds.

STRATEGY surface applied after planting will control the following weeds:

#### Grasses:

Barnyardgrass (*Echinochloa crus-galli*)  
 Crabgrass (*Digitaria* spp.)

(Large crabgrass)  
 (Smooth crabgrass)

Foxtail millet (*Setaria italica*)  
 Goosegrass (*Eleusine indica*)  
 Panicum, fall (*Panicum dichotomiflorum*)  
 Panicum, Texas (*Panicum texanum*)

(Buffalograss)  
 (Colorado grass)

Shattercane (*Sorghum bicolor*)

Foxtail  
 (Giant) (*Setaria faberi*)  
 (Green) (*Setaria viridis*)  
 (Yellow) (*Setaria glauca*)

Johnsongrass (from seed)\* (*Sorghum halepense*)  
 Signalgrass, broadleaf\* (*Brachiaria platyphylla*)  
 Wildproso Millet\* (*Panicum miliaceum*)

#### Broadleaf Weeds:

Black Seeded Plantain (*Plantago rugelii*)  
 Carpetweed (*Mollugo verticillata*)  
 Lambsquarters, common (*Chenopodium album*)  
 Pigweed (*Amaranthus* spp.)  
 (Prostrate pigweed) (*Amaranthus graecizans*)  
 (Redroot pigweed) (*Amaranthus retroflexus*)  
 (Smooth pigweed) (*Amaranthus hybridus*)  
 (Spiny pigweed) (*Amaranthus spinosus*)

Prickly Sida (*Sida spinosa*)  
 Purslane, common (*Portulaca oleracea*)  
 Pusley, Florida (*Richardia scabra*)  
 Spurred Anoda (*Anoda cristata*)  
 Velvetleaf (*Abutilon theophrasti*)  
 Venice Mallow (*Hibiscus trionum*)  
 Cocklebur\* (*Xanthium strumarium*)  
 Common Ragweed\* (*Ambrosia artemisiifolia*)  
 Smartweed\* (*Polygonum lapathifolium*)

#### \*Partially Controlled

### SOIL TEXTURE GUIDE

The amount of STRATEGY applied will vary with the soil texture and organic matter. A fine textured soil will require more STRATEGY per acre than a coarse soil. Choose the proper rate based on the following soil texture group and specific crop recommendations. Do not exceed recommended rates.

Soil Texture Group	Soil Classification
Coarse soils: (Light)	Sand, loamy sand, sandy loam
Medium soils	Loam, silty clay loam*, silt loam, silt, sandy clay loam*
Fine soils: (Heavy)	Clay, clay loam, silty clay, silty clay loam, sandy clay, sandy clay loam*

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\*Silty clay loam and sandy clay loam soils are transitional soils and may be classified as either medium or fine textured soils. If silty clay loam or sandy clay loam soils are predominantly sand or silt, they are usually classified as medium textured soils. If they are predominantly clay, they are usually classified as fine textured soils.

### ACTIVATION DIRECTIONS

**Irrigated Agriculture:** Where overhead sprinkler irrigation (solid set, center pivot or continuous flow lateral move) is used, activate STRATEGY with a minimum of one-half inch (½") of irrigation water within two (2) days after application. For flood or furrow irrigation, refer to Non-Irrigated Agriculture activation directions below. Irrigated fields may be shallowly cultivated without loss of STRATEGY activity.

**Non-irrigated agriculture:** A single, one-half inch (½") rainfall within five (5) days of application is necessary to activate STRATEGY. If a single one-half inch (½") rainfall is not received, a shallow cultivation may be used to help activate STRATEGY. Rainfall activated STRATEGY may be shallowly cultivated without loss of activity.

**Note:** Heavy rainfall and/or excessive irrigation soon after application of STRATEGY may cause crop injury. This potential injury can be enhanced if seeding depth is too shallow.

### GENERAL MIXING INSTRUCTIONS

Fill spray tank ½ to ¾ full with water, add the proper amount of STRATEGY, then add the rest of the water. Provide sufficient agitation during mixing and application to maintain a uniform spray mixture. Do not mix with fertilizer. Apply STRATEGY using any properly calibrated, low pressure herbicide sprayer that will apply the spray uniformly.

### SOIL PREPARATION

A firm seedbed that is trash and clod free is desirable for a surface application of STRATEGY. Crop residues, existing weeds and cloddy conditions may interfere with the performance of STRATEGY. Bedded culture is preferable to flat culture because of better drainage. Do not plant in a furrow.

### USE PRECAUTIONS

**Do not incorporate STRATEGY prior to planting as crop loss will occur. Do not use STRATEGY under or over row covers, hot caps, plastic mulches, or other plant covers as severe crop injury will occur. Do not make broadcast application to transplants.**

**Under cool temperature conditions that can delay early seedling emergence or growth, STRATEGY can cause plant injury or crop failure. Be especially cautious during first planting of season when this condition is likely to occur.**

### CROP RECOMMENDATIONS

**CUCUMBERS, MELONS, PUMPKINS<sup>1</sup>, SUMMER SQUASH<sup>1,2</sup> WINTER SQUASH<sup>1,2</sup>, WATERMELONS, — POSTPLANT SURFACE APPLIED PREEMERGENCE WEED CONTROL:** STRATEGY should be used only as a POSTPLANT SURFACE APPLIED HERBICIDE PRIOR TO WEED EMERGENCE. Apply to seeded crop prior to its emergence, or apply AS A BANDED SPRAY BETWEEN ROWS AFTER CROP EMERGENCE OR TRANSPLANTING. Refer to the section titled "ACTIVATION DIRECTIONS".

<sup>1</sup> Certain crop varieties may have potential for injury or loss due to use of this herbicide. Consult your agricultural experiment station, or other qualified crop advisors for information pertaining to crop varieties grown in your area.

<sup>2</sup> Use the lower rate in the rate range.

**Broadcast application on direct-seeded crop:** Apply STRATEGY to the soil surface after seeding, but before crop emergence. DO NOT SOIL INCORPORATE STRATEGY PRIOR TO PLANTING AS CROP LOSS WILL OCCUR.

### RATES

These recommendations are given as the broadcast rates of STRATEGY per acre. Where a rate range is shown, use the lower rate for coarser textured soils or soils with lower organic matter. Use the higher rate, where a rate range is shown, on soils containing more than five percent (5%) organic matter. Where soil texture is variable within the same field, let the finest soil texture which predominates in that field determine the use rate (see SOIL TEXTURE GUIDE). STRATEGY is not recommended for use on soils containing more than 10% organic matter.

Broadcast the following rates in 10 to 30 gallons of water per acre by ground equipment only.

Soil Texture*	STRATEGY
	Broadcast Rates per Acre (pints)
Coarse	2 - 3
Medium	3 - 4
Fine	4 - 6

\*Weed control may be reduced on soils with organic matter over 5%.

**BAND TREATMENT:** STRATEGY may also be used as a banded spray between rows of direct seeded or transplanted crops. Reduce rate and spray volume in proportion to area actually sprayed using the following formula:

$$\frac{\text{Band width in inches}}{\text{Row width in inches}} \times \text{Broadcast RATE per acre} = \text{Band RATE per acre}$$

$$\frac{\text{Band width in inches}}{\text{Row width in inches}} \times \text{Broadcast VOLUME per acre} = \text{Band VOLUME per acre}$$

### REPLANTING INSTRUCTION

If initial seeding or transplants fail to produce the desired stand, crops listed on this label may be replanted in a field treated with STRATEGY alone. Do not retreat field with a second application of STRATEGY.

### CROP RESTRICTION

Do not apply within 45 days of harvest of cucumbers or squash. Do not make more than one application per season. Do not apply within 125 days of harvest for tuberous and corn crops.

Do not graze or forage crop grown in treated soil or cut for hay or silage.

### ROTATIONAL RESTRICTIONS

#### Rotate to crops listed below for 2 to 4 pint rates.

ANYTIME: Cucumbers, Melons, Pumpkins, Squash, Watermelons  
 9 MONTHS: Beans (succulent and dry), Cabbage (all), Corn, Cotton, Peanuts, Peas, Peppers, Potatoes, Rice, Sorghum, Soybeans, Sugarbeets, Sweet potatoes, Tobacco, Tomatoes (transplanted), Tuberous Vegetables,  
 12 MONTHS: Tomatoes (direct seeded), Wheat  
 16 MONTHS: All Crops

#### Rotate to crops listed below for greater than 4 to 6 pint rates.

ANYTIME: Cucumbers, Melons, Pumpkins, Squash, Watermelons.  
 9 MONTHS: Beans (succulent and dry), Cabbage (direct seeded), Corn, Cotton, Peanuts, Potatoes, Sorghum, Soybeans, Sugar Beets, Tomatoes (transplanted).  
 12 MONTHS: Tomatoes (direct seeded), Wheat  
 16 MONTHS: All crops.

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