

10F '8

**ACCEPTED**

**MAR 3 0 1986**

Under the Fungicide, and Botanicals Act, as amended, for the pesticide registered under EPA Reg. No. 201-427

EXTRAZINE® 310L HERBICIDE

This product contains 4 pounds active ingredient per gallon.

ACTIVE INGREDIENTS	BY WEIGHT
2-[[4-chloro-6-(ethylamino)-s-triazine-2-yl]-2-methylpropionitrile . . . . .	32%
atrazine, 2-chloro-4-(ethylamino)-6-(isopropylamino)-s-triazine . . . . .	10.45%
related compounds . . . . .	0.55%
INERT INGREDIENTS . . . . .	57%
TOTAL	<u>100%</u>

NOTE CONDITIONS OF SALE AND WARRANTY BEFORE OPENING THE CONTAINER.  
IF THEY ARE NOT ACCEPTABLE, RETURN UNOPENED PRODUCT.

KEEP OUT OF REACH OF CHILDREN  
WARNING  
STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

IF IN EYES: Flush with plenty of water. Call a physician.

IF ON SKIN: Wash immediately with plenty of soap and water.

IF INHALED: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

See additional precautions inside.

AVISO  
PRECAUCION AL USUARIO:

Si usted no lee ingles, no use este producto hasta que la etiqueta haya sido explicado ampliamente.

PRECAUTIONARY STATEMENTS  
HAZARD TO HUMANS AND DOMESTIC ANIMALS  
WARNING

WARNING: May be fatal if swallowed. Harmful if inhaled or absorbed through the skin. Causes temporary eye injury.

This product may be hazardous to your health. This product has been determined to cause birth defects in laboratory animals. Use of protective clothing and equipment and following the precautions below can reduce risk.

Avoid breathing spray mist. Avoid contact with skin, eyes, or clothing. Do not get in eyes or on clothing. Wear a face shield when mixing and loading. Wash thoroughly with soap and water after handling and before eating or smoking.

Wear long trousers and long-sleeved clothing when applying this product. Wear rubber gloves extending above the wrist, long trousers and long-sleeved clothing when mixing or loading or when adjusting, repairing or cleaning equipment. Remove contaminated clothing and wash before reuse. Heavily contaminated clothing should be taken off immediately and incinerated or burned, if allowed by state and local authorities, or disposed of in a sanitary landfill and not laundered.

Do not apply this product in such a manner as to directly, or through drift, expose workers or other persons. The area being treated must be vacated by unprotected persons.

Keep out of reach of domestic animals, particularly cattle. Consumption of this product, spray solutions, or water contaminated with product can result in serious illness or possible death of bovines.

ENVIRONMENTAL HAZARDS

Do not apply directly to water or wetlands. Do not contaminate water by cleaning of equipment or disposal of wastes. In case of significant spill, call CHEMTREC 800-424-9300 or (713) 473-9461.

EXTRAZINE is a pesticide which can move (seep or travel) through soil and can contaminate groundwater which may be used as drinking water. EXTRAZINE has been found in groundwater as a result of agricultural use. Users are advised not to apply EXTRAZINE where the water table (groundwater) is close to the surface and where the soils are very permeable (i.e. well drained soils such as loamy sands). Your local agricultural agencies can provide further information on the type of soil in your area and the location of groundwater.

DIRECTIONS FOR USE

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

FOR END USE ONLY. DO NOT REPACKAGE OR REFORMULATE WITHOUT MANUFACTURER'S WRITTEN APPROVAL.

#### STORAGE AND DISPOSAL

Storage: Do not contaminate water, food, or feed by storage or disposal. Do not use or store around the home environment. Avoid contact with water. In case of spill or leak, soak up with sand, earth, or synthetic absorbent. Do use alkaline absorbents, and dispose of wastes in compliance with local, state, and federal regulations.

Pesticide Disposal: Pesticide, spray mixture, or rinsate that cannot be used according to label instructions must be disposed of according to applicable federal, state, or local procedures.

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

#### CONDITIONS OF SALE AND WARRANTY

SHELL AND THE SELLER OFFER THIS PRODUCT, AND THE BUYER AND USER ACCEPT THIS PRODUCT, ONLY UNDER THE FOLLOWING AGREED CONDITIONS OF SALE AND WARRANTY: The directions for use of this product are believed to be reliable and should be followed carefully. However, it is impossible to take into account all variables and to eliminate all risks associated with its use. Injury or damage may result because of conditions which are beyond the control of Shell or the seller, including soil texture, organic matter content of soil, weather, presence of other materials, and the manner of use or application. Shell warrants only that this product conforms to the chemical description on the label and is believed to be reasonably fit for the purposes referred to in the Directions for Use when used as directed under normal conditions. SHELL MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY. Any variation or exception from this warranty must be in writing and signed by an authorized Shell representative.

#### LIMITATION OF LIABILITY

Shell's liability, whether or not based on negligence, breach of expressed or implied warranty, strict liability, or any other legal cause, is limited to the cost of this product. In no case shall Shell or the Seller be liable for consequential, incidental, or indirect damages, such as loss of crops, resulting from the use or handling of this product.

#### GENERAL INFORMATION

EXTRAZINE 310L Herbicide is a selective preemergence herbicide for the control of annual grasses and broadleaved weeds in field corn, popcorn, and sweet corn.

Consult your local Agricultural Extension Agent for help in determining soil type, organic matter content, and the most appropriate herbicide rate for local conditions.

As a preemergence herbicide, EXTRAZINE 310L is active mainly through the roots, and, therefore, its effect on weeds is dependent on adequate rainfall to move the herbicide into the root zone. A rotary hoeing or shallow cultivation is recommended for those applications which are not incorporated at the time of treatment, if a rainfall or sprinkler irrigation has not occurred within about ten days after application of EXTRAZINE 310L. Moisture should be sufficient to wet the top 1½ to 2 inches of soil or make the soil too wet to cultivate; for most soils, one-half inch of moisture is sufficient. Under conditions which delay weed germination, such as low temperatures, lack of soil surface moisture, or when germination extends over a long period, the effectiveness of the herbicide may be impaired. Rotary hoeing or a shallow cultivation may be of benefit under these circumstances. If the corn is cultivated, tillage should be shallow to minimize herbicide dilution in the soil. Should the corn stand be lost due to adverse weather conditions, the field can be replanted the same season to corn or sorghum.

EXTRAZINE 310L is not effective when used preemergence on peat or muck soils. Do not use EXTRAZINE 310L alone on sands or loamy sands (soils consisting of more than 70% sand) containing less than 1% organic matter.

OBSERVE ALL CAUTIONS AND LIMITATIONS ON LABELING OF ALL PRODUCTS USED IN MIXTURES.

Rotational crops: (1) Plant only corn, sorghum, or soybeans the year following the use of this mixture. (2) If soybeans are to be planted, injury may occur. (3) If applied after June 10, do not rotate with crops other than corn or sorghum the next year or injury may occur. (4) In the high plains and intermountain areas of the west where rainfall is sparse and erratic or where irrigation is required, use only when corn or sorghum is to be planted the following year, or a crop of corn or sorghum not treated with this mixture or atrazine is to proceed other rotational crops. (5) Small grains may be planted 15 months following treatment. (6) All other crops may be planted 18 months after application.

#### APPLICATION DIRECTIONS

##### General Mixing and Spraying Directions

If another pesticide has been used previously, be sure the sprayer tank, boom, and nozzles have been thoroughly flushed with clean water.

Sufficient jet or mechanical agitation should be provided during the filling operation and during application to keep the spray mixture uniformly suspended. Fill the spray tank at least one-half full of clean water and while pump and agitator are running, add the recommended amount of EXTRAZINE 310L to the tank,

then fill with water to the desired level. For tank mixes, once the EXTRAZINE 310L is completely suspended in the water, add the recommended amount of other products to the tank while filling with water to the desired level. Add all wettable powders before liquids. For emulsible concentrates (EC), such as Lasso or Dual, pre-mixing these products in equal amounts of water or pouring the products directly into the water stream as the tank is filling will aid in achieving compatible tank mixtures. Fluid fertilizers may replace all or part of the water as carrier. Always check the compatibility of EXTRAZINE 310L or EXTRAZINE 310L tank mixes and fluid fertilizer, according to the Jar Test for Compatibility instructions below, before the herbicide and fertilizer are mixed in the spray tank.

Allow the pump to run several minutes before application to ensure proper suspension and mixing of EXTRAZINE 310L or other various mixtures. If EXTRAZINE 310L or tank mix combinations of EXTRAZINE 310L with atrazine are allowed to stand in a spray tank or nurse tank for an extended period (several hours or overnight), provide good agitation for several minutes before application to ensure proper suspension and mixing. Tank mix combinations of EXTRAZINE 310L with other products should be continuously agitated and should be mixed and applied as soon as possible.

Apply with flat fan (even flat fan for band application) or flood nozzles in conjunction with 50-mesh nozzle screens and in-line screens. Carefully follow the nozzle manufacturer's recommendation for correct nozzle height, positioning and spacing. Check for uniform distribution of spray droplets. Apply at pressures of 15 to 35 psi to reduce chemical loss due to fine mist drift.

Apply the spray mixture to the soil surface using at least 15 gallons per acre for ground application. Apply by air using a minimum of 4 gallons per acre of spray mixture.

Check nozzles, pressure, and output regularly to ensure proper calibration and application.

ALL RATES INDICATED ON THIS LABEL ARE BROADCAST APPLICATION RATES PER ACRE UNLESS OTHERWISE STATED. FOR BAND APPLICATION, USE PROPORTIONATELY LESS.

#### Jar Test For Compatibility

- A. Add one pint of liquid fertilizer or other carrier to be used to two quart jars. Mark one quart jar "with" and the other jar "without".
- B. To the jar marked "with," add 1/4 teaspoon of a suitable compatibility agent. Shake gently for 5 to 10 seconds to mix. (1/4 teaspoon/pint = 2 pints/100 gallons.)
- C. To each jar, add the appropriate amount of herbicides corresponding to the herbicide rate and spray volume selected (see following table). If more than one herbicide is used, add them separately--wetable powders first, flowables second, and emulsible concentrates last. Shake gently for 5 to 10 seconds after each addition.

- D. Let stand one-half hour and make observations. If any separation, agglomeration, or precipitation has occurred, again shake the jar 10 to 15 seconds.
1. If mixtures appear to be compatible in both jars, the herbicides can probably be used without a compatibility agent.
  2. If the mixture in the jar marked "with" is compatible, but the one in the jar marked "without" is incompatible, a compatibility agent should be used.
  3. If both mixtures are incompatible, the liquid fertilizer and herbicides should not be used in the same spray tank.

Jar Test For EXTRAZINE 310L  
Compatibility With Liquid Fertilizer

Gallons Liquid Fertilizer per acre	15	20	25	30	40
Teaspoons of EXTRAZINE 310L* pint of fertilizer	1-1/2	1-1/4	1	3/4	1/2

\* Based on 1 qt. EXTRAZINE 310L (1 pound active ingredient) per acre in fertilizer volumes indicated. Increase volume proportionately to correspond with intended field rate in terms of quarts EXTRAZINE 310L per acre (e.g., for field rate of 4 qts. EXTRAZINE 310L in 20 gallons fertilizer per acre, add 7 teaspoons EXTRAZINE 310L to 1 pint fertilizer for compatibility testing purposes. CALCULATION: At 4 quarts EXTRAZINE 310L rate/20 gallons fertilizer, 4 x 1-1/4 teaspoons = 5 teaspoons EXTRAZINE 310L/pint of fertilizer).

If a test such as outlined indicates that components of a proposed mix are compatible, the applicator still has the responsibility of combining materials in sequence to the spray tank in accordance with directions prescribed on the label of the herbicides or pesticides involved.

Tests have indicated that compatibility agents, noted below by the various tank mix combinations, may give improved compatibility in liquid fertilizers.

TANK MIX COMBINATION	COMPATIBILITY AGENTS
EXTRAZINE 310L/Lasso (Liquid Fertilizer Grade)	Probably not needed in 28-0-0, 10-34-0. Complex, may help in others.
EXTRAZINE 310L/Sutan+ 6.7E or Genate plus	Probably not needed in 28-0-0. Incompatible in 10-34-0. Unite, Spray-Mate, Kem-Link, may help in others.
EXTRAZINE 310L/Dual 8E	Probably not needed in 28-0-0. Unite, Spray-Mate, Ivory Liquid may help in others.

**APPLICATION IN CENTER PIVOT SPRINKLER IRRIGATION WATER**  
(For use in Midwest and Plains states only)

Extrazine 310L alone or in a tank mix combination with Lasso 4EC, may be applied in center pivot sprinkler irrigation water. Apply anytime after planting, but prior to crop emergence. Pre-mix the herbicide(s) in water to form a slurry and inject at a carefully calibrated rate into the irrigation water during the entire period of the run. Mix as directed for a spray application. Provide good agitation for the herbicide mixture throughout the application.

Select the correct application rate of EXTRAZINE 310L from the rate tables listed on this label.

Example:

A center pivot sprinkler that is 1320 feet long (1/4 mile) will irrigate 125.7 acres. A sandy loam soil containing 2 percent organic matter will require 2.0 quarts of EXTRAZINE 310L per acre.

125.7 A x 2.0 quarts = 251.4 quarts EXTRAZINE 310L.

Mixing tank size 600 gallons. Sprinkler takes 20 hours to apply 1/2 inch of water to the complete circle; inject rate =

$$\frac{600}{20} = 30 \text{ gallons/hour or } 0.5 \text{ gallons/minute}$$

Calibrate injection pump to deliver herbicide mix into the irrigation system at the rate of 30 gallons per hour or 0.5 gallons per minute. Add 251.4 quarts (63 gallons) of EXTRAZINE 310L to the tank.

For tank mix combinations, select the correct dosage rate and follow the same procedures outlined above for each herbicide component.

Apply in 1/2 to 1 acre inch of water. Use this method of application only with irrigation systems designed for uniform application of water.

#### Additional Use Precautions

1. Apply product or tank mixes only through center pivot irrigation systems containing anti-siphon and check valves which will prevent water source contamination and overflow of the slurry tank and containing interlocking controls between metering device and the water pump to ensure simultaneous shut-off.
2. Inject the herbicide mix with positive displacement pump into the main line ahead of a right angle turn to ensure adequate mixing.
3. Application of more than label recommended quantities of irrigation water per acre may result in decreased product performance by removing the chemical from the zone of effectiveness.
4. Do not apply when wind speed favors drift, when system connectors leak, when nozzles do not provide uniform distribution, or when lines containing the product must be drained and dismantled.
5. Greater accuracy in calibration and distribution will be achieved by injecting a large volume or more dilute slurry per hour.
6. Where sprinkler distribution patterns do not overlay sufficiently, unacceptable weed control may result. Where sprinkler distribution patterns overlay excessively, crop injury may result.
7. Make sure the system is designed to shut off the herbicide injection if the traveling sprinkler stalls or stops for any reason, even if the water pump does not shut off.



## CORN

Weeds Controlled by EXTRAZINE 310L Alone and in  
Combination with Other Herbicides on CornGrasses

Annual bluegrass	Crabgrass	Junglerice
Annual fescues	Fall panicum	Stinkgrass (Indian lovegrass)
Annual (Italian) ryegrass	Giant foxtail	Witchgrass
Barnyardgrass <sup>1</sup>	Goosegrass	Yellow foxtail
Bullgrass	Green foxtail	

Broadleaves

Annual groundcherry	Florida pusley	Ragweed
Annual morningglory	(Florida purslane)	Russian Thistle
Annual sedge	Hedge mustard	Shepherdspurge
Black mustard	Jimsonweed <sup>1</sup>	Smallflower galinsoga
Buffalobur	Kochia	Smartweed
Buttercup (annual)	Ladysthumb	(Pennsylvania)
Carpetweed	Lambsquarters	Spiny sida <sup>2</sup>
Cocklebur <sup>2</sup>	Mayweed	Sunflower <sup>2</sup> (wild, annual, common)
Common chickweed	Nightshade (annual)	Tarweed cuphea
Common groundsel	Pigweed <sup>1</sup>	(Gumweed)
Common mallow	Pineappleweed	Velvetleaf <sup>1</sup>
Common purslane	Plantain	Wild buckwheat
Corn spurry	Poorjoe	Wild mustard
Curly dock (seedling)	Prickly sida	Wild radish
Fiddleneck	(teaweed)	Wild turnip
	Prostrate knotweed	
	Prostrate spurge	

- 1) Under conditions such as low temperatures, lack of soil surface moisture, or other factors that may cause delay in germination of the seeds, the effectiveness of EXTRAZINE may be impaired against these weeds.
- 2) The degree of control will be reduced if soil moisture and temperature conditions cause deep germination of the seed.

## PREEMERGENCE-PREPLANT INCORPORATED

Apply EXTRAZINE treatments just before, at, or after planting but before crop has emerged. Avoid removal of treated soil from seedrow prior to or during the planting operation.

EXTRAZINE may also be applied early prior to planting or in a split application if pre-season weed control is desired. For split applications, do not exceed the total amount of EXTRAZINE for the soil texture and organic matter shown in Table 1. If EXTRAZINE is applied early, more than 15 days

1301 18

before planting, a split application of EXTRAZINE or some other herbicide treatment may be necessary at or after planting to provide additional length of weed control. For further information, see "Early Preplant" recommendations in the Conservation Tillage section of label.

A rotary hoeing is recommended for preemergence applications which do not receive adequate rainfall or sprinkler irrigation to wet the top 1½ to 2 inches of soil within about 10 days after application.

If an EXTRAZINE mixture is to be incorporated, except as noted, single or two pass incorporation is acceptable. Care should be taken to incorporate the EXTRAZINE mixture no deeper than the top two inches of soil.

EXTRAZINE Applied Alone

Use at the proper rate for soil texture and organic matter indicated in Table 1.

TABLE 1  
 PREEMERGENCE BROADCAST APPLICATION RATES PER ACRE  
 FOR EXTRAZINE 310L APPLIED ALONE ON CORN

Soil Texture Description	Quarts of EXTRAZINE 310L Percent Organic Matter in Soil*					
	Less Than 1%	1%	2%	3%	4%	5% & Over
Sand, Loamy Sand	DO NOT USE	1.25	1.5	2.0	2.5	3.25
Sandy Loam	1.25	1.5	2.0	2.5	3.25	4.0
Loam, Silt Loam, Silt	1.5	2.0	2.75	3.25	4.0	4.25
Sandy Clay Loam, Clay Loam, Silty Clay Loam	2.0	2.75	3.25	4.0	4.5	4.75
Sandy Clay, Silty Clay, Clay	2.75	3.25	4.0	4.5	4.75	5.25
Peat or Muck	NOT RECOMMENDED					

\* For organic matter content between those listed, adjust the rate proportionately.

#### EXTRAZINE COMBINATIONS

##### EXTRAZINE plus Lasso 4EC

Use EXTRAZINE 310L at the proper rate for the soil texture and organic matter shown in Table 2 plus 2 quarts per acre of Lasso. (Use 2.5 quarts Lasso on clay soils containing 5 percent organic matter and over).

EXTRAZINE plus Sutan+ 6.7E/Genate Plus or Eradicane 6.7E

Use EXTRAZINE 310L at the proper rate for the soil texture and organic matter shown in Table 2 plus 1.8 quarts per acre of Sutan+/Genate Plus or Eradicane for control of many annual grasses and broadleaf weeds. (Use 2.4 quarts of Sutan+/Genate Plus or Eradicane on loam soils containing 5 percent or more organic matter.) Do not use on sands and loamy sands of less than 1 percent organic matter in the light sandy soils of eastern coastal states. Do not use on corn seed stock.

Apply before planting. Incorporate the mixture immediately upon application using power-driven cultivation equipment set for 2 to 3 inch depth, or a tandem disc set to cut to a depth of about 4 inches while operating at 4 to 6 mph. For thorough mixing, disc in two directions (cross disc), and follow with a harrow, drag, or other leveling device. Prior to the second discing, readjust the disc to prevent cutting deeper than 4 inches. EXTRAZINE 310L may be applied preemergence as an overlay over previous incorporated Sutan+/Genate Plus or Eradicane if desired.

Existing stands of quackgrass, purple and yellow nutsedge must be turned under and thoroughly chopped up prior to chemical treatments.

Additional weeds controlled by Sutan+/Genate Plus or Eradicane combinations:

Grasses	Sandbur
	Shattercane (Wild Cane)*
	Texas Panicum
	Quackgrass (Eradicane only)
	Wild Proso Millet* (Eradicane only)
Perennial Weeds	Yellow Nutsedge (nutgrass)
	Purple Nutsedge (nutgrass)

\* Suppression only--refer to Sutan+/Genate Plus or Eradicane label for appropriate supplement cultural and tillage practices.

For fields with moderate to heavy infestations of these weeds, refer to the Sutan+/Genate Plus or Eradicane labels for appropriate higher rates.

EXTRAZINE plus Dual 8E

Use EXTRAZINE 310L at the proper rate for soil texture and organic matter shown in Table 2. Use Dual as follows:

SOIL TEXTURE	BROADCAST RATE PER ACRE
<b>Coarse</b>	
Sand, loamy sand, sandy loam	1.25 - 1.5 pints
<b>Medium</b>	
Loam, silt loam, silt	1.5 - 2.0 pints
<b>Fine</b>	
Sandy clay loam, silty clay loam, clay loam, sandy clay, silty clay, clay	1.5 - 2.5 pints

The low end of the rate range should be used for lowest organic matter soils and the rate increased as organic matter increases to a point that soils containing 4 percent organic matter or more require the highest rate shown for that soil texture. Refer to the Dual label for precautions on rotational crops.

TABLE 2

PREEMERGENCE BROADCAST APPLICATION RATES PER ACRE FOR EXTRAZINE 310L USED IN TANK MIX COMBINATIONS WITH LASSO, SUTAN+/GENATE PLUS, ERADICANE OR DUAL ON CORN

Soil Texture Description	Quarts of EXTRAZINE 310L					
	Percent Organic Matter in Soil*					
	Less Than 1%	1%	2%	3%	4%	5% & Over
Sand, Loamy Sand	0.6**	0.75	1.25	1.5	1.75	2.0
Sandy Loam	0.75	1.25	1.5	1.75	2.0	2.25
Loam, Silt Loam, Silt	1.25	1.5	1.75	2.0	2.25	2.5
Sandy Clay Loam, Clay Loam, Silty Clay Loam	1.5	1.75	2.0	2.25	2.5	2.75
Sandy Clay, Silty Clay, Clay	1.75	2.0	2.25	2.5	2.75	3.0
Peat or Muck	N O T R E C O M M E N D E D					

\* For organic matter content between those listed, adjust the rate proportionately.

\*\* Do not use in the Atlantic Coastal Plain.

## CONSERVATION TILLAGE WEED CONTROL

Early Preplant (EPP)

[Prior to planting weed control for land going into production of corn.]

Complete any planned early spring tillage prior to application. Apply herbicide treatment before weeds germinate or before weed seedlings are more than 3 inches tall. Tillage after application may reduce the effectiveness of the herbicide treatment.

Apply EXTRAZINE 310L 15 to 30 days prior to planting. Use the proper rate for soil texture and organic matter indicated in Table 1. Where heavy crop residues exist, the rates shown in Table 1 should be increased by 25 percent.

Where broadleaf weeds are present, add 2,4-D LV Ester at 1-1/3 - 2 pints per acre (6 pounds per gallon) or 2 to 3 pints per acre (4 pounds per gallon) plus X-77 surfactant at 1 quart/100 gallons of diluted spray, or other suitable surfactant at its recommended rate. When 2,4-D Ester is tank mixed with EXTRAZINE as previously described, these additional weeds will be controlled: Buckwheat, Dandelion, Dock, Maretail, Pennycress, Prickly lettuce, and Tansy mustard. If existing annual weeds exceed 3 inches in height, add 1 to 2 pints per acre of paraquat or 2 pints per acre of Roundup to the above mixture. Well-established weeds over 6 inches tall may not be well controlled. Use at least 25 gallons per acre of spray mixture by ground rig or 5 to 10 gallons per acre for aerial application.

Depending upon weather conditions following the EPP application, a post-emergence EXTRAZINE or BLADEX<sup>®</sup> Herbicide treatment, or some other herbicide treatment may be necessary at or after planting to provide additional length of weed control. If desired, 1½ to 2 pints per acre of Dual or 2 quarts per acre of Lasso may be tank mixed with the EXTRAZINE EPP treatment or applied preemergence at planting.

Rotational Crops: Refer to the General Information section of the label.

At Planting

EXTRAZINE 310L applied alone or in combination with Lasso or Dual according to the following directions will kill most existing small weeds and suppress many emerged perennial weeds when corn is planted into no-till stalk ground (corn, sorghum), stubble ground (soybean, small grains), and any minimum-till situation. This treatment then provides residual control of annual weeds as in conventional tillage.

Apply EXTRAZINE 310L alone or with other products according to the directions for those treatments in the Preemergence section of the label. Where heavy crop residues exist, the EXTRAZINE rate shown in Tables 1 or 2 should be increased by 25 percent. Add  $\frac{1}{2}$  to 1 pint per acre of 2,4-D Low Volatile 6 pounds Ester (0.75 to 1.5 pint per acre 2,4-D LV 4 pounds Ester). Add the 2,4-D LV to the spray tank last. Refer to the EPP section above for additional broadleaf weeds controlled with an EXTRAZINE/2,4-D Ester tank mix treatment. Use a minimum of 25 gallons per acre of carrier. Complete spray coverage of the weeds is essential for best performance. Nitrogen solutions and complete liquid fertilizers are the preferred carriers for this treatment as they help aid in the burndown of existing weeds. Add Ortho X-77 surfactant at 1 to 2 quarts per 100 gallons of diluted spray, or other suitable surfactant at its recommended rate. If water is used as a carrier, crop oil concentrate may be used as a surfactant. Apply before weeds exceed 3 inches in height. For control of existing alfalfa, add  $\frac{1}{3}$  to  $\frac{1}{2}$  pint per acre of Banvel to the spray mixture. Apply before the alfalfa exceeds 6 inches in height.

For fields with existing sod grasses such as orchardgrass, bromegrass, rye, or timothy, or when very dry conditions exist, or when existing weeds exceed 3 inches in height, add Paraquat CL to the tank mix. Use 2 pints per acre of Paraquat CL in combination with EXTRAZINE as described above in this section, except the 2,4-D LV may be omitted if desired. Do not apply Paraquat CL in suspension type liquid fertilizer.

#### POSTEMERGENCE

##### EXTRAZINE Applied Alone

Use EXTRAZINE 310L at the proper rate for the soil texture and organic matter shown in Table 3 or 3A. Use rates shown in Table 3 if EXTRAZINE or BLADEX has not been applied to the soil this season. Use rates shown in Table 3A if EXTRAZINE or BLADEX has been applied to the soil this season. This treatment may be used on peat or muck soils for burndown and suppression of existing weeds but will not provide residual control. Apply from crop emergence through the four-leaf stage of corn growth before weeds exceed about  $1\frac{1}{2}$  inches in height. Do not apply over the top of corn if the fifth leaf is visible. Apply in water only. Do not spray emerged corn plants in a liquid fertilizer carrier.

**DO NOT APPLY THIS TREATMENT UNDER COLD, WET WEATHER CONDITIONS OR TO WEATHER STRESSED OR STORM DAMAGED CORN.** Yellowing of the corn may result from this treatment, particularly if cold, adverse growing conditions occur after application. Extended or extreme cold and wet conditions may reduce stands. Do not use on corn grown for seed.

Rotational Crops: Refer to the "General Information" section of the label.



TABLE 3  
 PREEMERGENCE BROADCAST APPLICATION RATES PER ACRE  
 FOR EXTRAZINE 310L ON CORN  
 NO PRIOR EXTRAZINE OR BLADEX APPLICATION

Soil Texture Description	Quarts of EXTRAZINE 310L Percent Organic Matter in Soil*			
	Less Than 1%	1%	2%	Over 2%
Sand, Loamy Sand	DO NOT USE	1.25	1.5	2.0
Sandy Loam	1.25	1.5	2.0	2.0
Loam, Silt Loam, Silt	1.5	2.0	2.0	2.0
All other textures	2.0	2.0	2.0	2.0

\* For organic matter content between those listed, adjust the rate proportionately.

TABLE 3  
 POSTEMERGENCE BROADCAST APPLICATION RATES  
 PER ACRE FOR EXTRAZINE 310L ON CORN  
 EXTRAZINE OR BLADEX USED IN PRIOR APPLICATION

Soil Texture Description	Quarts of EXTRAZINE 310L Percent Organic Matter in Soil*			
	Less Than 1%	1%	2%	Over 2%
Sand, Loamy Sand	DO NOT USE	DO NOT USE	1.4	1.4
Sandy Loam	DO NOT USE	DO NOT USE	1.6	2.0
Loam, Silt Loam, Silt	DO NOT USE	1.4	2.0	2.0
All other textures	DO NOT USE	1.8	2.0	2.0

\* For organic matter content between those listed, adjust the rate proportionately.

BLADEX® Herbicide is a registered trademark of Shell Chemical Company.  
 Roundup™, Lasso™ are registered trademarks of Monsanto Company.  
 Dual™ is a registered trademark of Ciba-Geigy Corporation.  
 Genate Plus™ is a registered trademark of PPG Industries, Inc.  
 Sutan+™ is a registered trademark of Stauffer Chemical Company.  
 Eradicane™ is a registered trademark of Stauffer Chemical Company.  
 X-77™ is a registered trademark of Kalo Laboratories, Inc.