

Qty 3 parts



Sutazine™ +

Selective Herbicide

ACCEPTED
JAN 10 1983
EPA Reg No. 476-2213

Active Ingredients:	
S-ethyl diisobutylthiocarbamate	56.80%
Atrazine: 2-chloro-4-(ethylamino)-6-(isopropylamino)-s-triazine	13.90%
Related Triazines	0.30%
Inert Ingredients:	29.00%
6-ME (Contains 6.0 pounds active ingredients per gallon) 100.00%	

preplant incorporated herbicide for annual grass and broadleaf weed control in corn

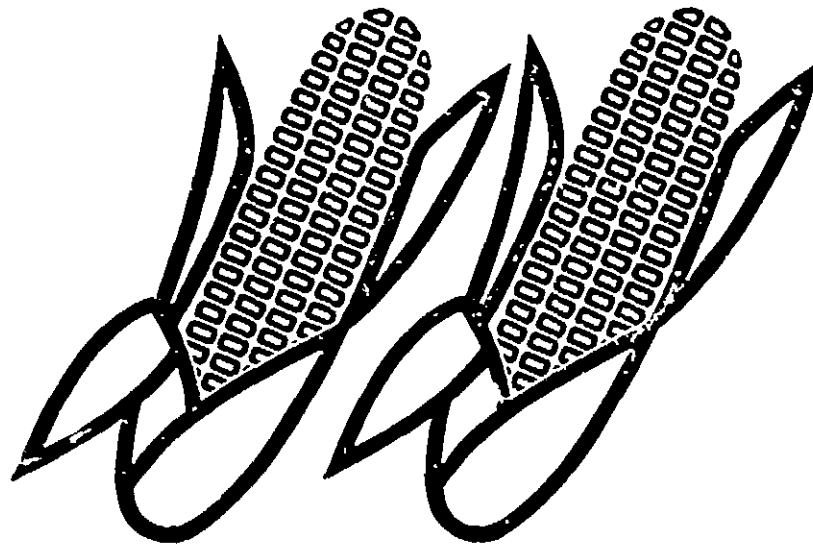
Keep Out Of Reach Of Children

DANGER

Corrosive, Causes Irreversible Eye Damage Harmful If Swallowed

See next panel for additional precautionary statements and statement of practical treatment

EPA Reg No. 476-2213
EPA Est. 476-NB-1



2.5 GAL. NET 9.45L

(2) of 3 parts



SutazineTM+

Selective Herbicide

Precautionary Statements

Hazards to Humans and Domestic Animals

DANGER

Corrosive, Causes Irreversible Eye Damage.

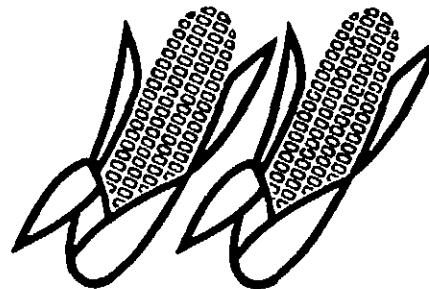
Harmful if swallowed.

Avoid contact with skin, eyes and clothing. Avoid breathing spray mist. Wear goggles, rubber gloves and protective clothing when handling. Wash skin with soap and water immediately after contact. Flush eyes with water.

Environmental Hazards

Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of wastes.

preplant incorporated herbicide for annual grass and broadleaf weed control in corn



Statement of Practical Treatment

First Aid:

If a known exposure occurs or is suspected, immediately initiate the recommended procedures. If further treatment is required, contact a Poison Control Center, a physician, or the nearest hospital.

If swallowed:

DO NOT induce vomiting. Immediately give large quantities of water. If vomiting does occur, give fluids again. Never give anything by mouth to an unconscious person. Have a physician determine if condition of patient will permit evacuation of the stomach.

For eye contact:

Hold eyelids apart and flush with large amounts of running water for at least 15 minutes. Call a physician.

For skin contact:

Flush with large amounts of running water for 15 minutes. Remove contaminated clothing and shoes. Get medical attention if skin irritation occurs. Wash clothing before reuse.

If inhaled:

Remove to fresh air. Get medical attention if respiratory irritation or breathing difficulty occurs.

3/14/82 3 parts



Sutazine+

Selective Herbicide

Crops Protected

Field Corn
Sweet Corn
Stage Corn
Popcorn

Target Weeds

Annual Grasses:
Barnyardgrass, Watergrass
Crabgrass
Fall Panicum
Field Sandbur
Giant Foxtail
Green Foxtail
Wild Oats
Yellow Foxtail

Perennial Weeds:
Hemp Dogbane
Purple Nutgrass, Nutsedge
Yellow Nutgrass, Nutsedge

Important

Read all label directions before using.
See attached booklet for use precautions,
directions and recommendations.

Storage and Disposal

Prohibitions:

Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. Do not reuse empty container.

Storage:

Keep container tightly closed when not in use. Do not store near seeds, fertilizers or foodstuffs. Can be stored at temperatures as low as minus 30° F.

Pesticide Disposal:

Rinse spray equipment. Pesticide, spray mixture or residue that cannot be used according to label instructions must be disposed of according to Federal or approved State procedures under Subtitle C of the Resource Conservation and Recovery Act.

Container Disposal:

Triple rinse (or equivalent). Puncture and dispose of in a sanitary landfill or by incineration as allowed by state and local authorities.

Notice—Read Carefully

Conditions of Sale:

Stauffer (and seller) offer(s) this product for sale subject to, and buyer and all users are deemed to have accepted, the following conditions of sale and warranty which may only be varied by written agreement of a duly authorized representative of Stauffer.

Warranty Limitation:

Stauffer warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the directions for use on the label subject to the inherent risks referred to below.

Stauffer makes no other express warranties. THERE IS NO IMPLIED WARRANTY OF MERCHANTABILITY and there are no warranties which extend beyond the description on the label hereof.

Inherent Risks:

The directions for use of this product are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks associated with use. Buyer assumes all risks associated with use or application of this product contrary to label instructions or resulting from extraordinary weather conditions.

Limitation of Liability:

In no case shall Stauffer be liable for special, indirect or consequential damages resulting from the use or handling of this product and no claim of any kind shall be greater in amount than the purchase price of the product in respect of which such damages are claimed.

This product is sold only for uses stated on its label. No express or implied license is granted to use or sell this product under any patent in any country except as specified: Country: United States of America. Patent Nos. 4,021,224, 4,137,070.

Made in U.S.A. by
Stauffer Chemical Company
Westport, CT 06881-0850

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WT 6-82

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This product is sold only for uses stated on its label. No express or implied license is granted to use or sell this product under any patent in any country except as specified. Country: United States of America. Patent No. 4,021,224. 4,137,070.

A-2

WT11-82

PREPLANT INCORPORATED HERBICIDE FOR ANNUAL GRASS AND BROADLEAF WEED CONTROL IN CORN (Field, Sweet, Silage and Popcorn)

6-ME (Contains 6.0 pounds active ingredients per gallon)

ACTIVE INGREDIENTS	
S-ethyl disobutylthiocarbamate	56.80%
Atrazine 2-chloro-4-(ethylamino)-6-(isopropylamino)-s-triazine	13.90%
Related Triazines	0.30%
INERT INGREDIENTS	29.00%
	100.00%

Keep Out of Reach of Children
DANGER

CORROSIVE, CAUSES IRREVERSIBLE EYE DAMAGE HARMFUL IF SWALLOWED

STATEMENT OF PRACTICAL TREATMENT

First Aid:

If a known exposure occurs or is suspected, immediately initiate the recommended procedures. If further treatment is required, contact a Poison Control Center, a physician, or the nearest hospital.

If swallowed:

DO NOT induce vomiting. Immediately give large quantities of water. If vomiting does occur, give fluids again. Never give anything by mouth to an unconscious person. Have a physician determine if condition of patient will permit evacuation of the stomach.

For eye contact:

Hold eyelids apart and flush with large amounts of running water for at least 15 minutes. Call a physician.

For skin contact:

Flush with large amounts of running water for 15 minutes. Remove contaminated clothing and

shoes. Get medical attention if skin irritation occurs. Wash clothing before reuse.

If inhaled:

Remove to fresh air. Get medical attention if respiratory irritation or breathing difficulty occurs.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER

CORROSIVE, CAUSES IRREVERSIBLE EYE DAMAGE HARMFUL IF SWALLOWED. Avoid contact with skin, eyes and clothing. Avoid breathing spray mist. Wear goggles, rubber gloves and protective clothing when handling. Wash skin with soap and water immediately after contact. Flush eyes with water.

ENVIRONMENTAL HAZARDS: Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of wastes.

READ ALL LABEL DIRECTIONS BEFORE USING.

WEEDS CONTROLLED BY SUTAZINE +

Barnyardgrass	(<i>Echinochloa crus-galli</i>)
Broadleaf	(<i>Brachiaria platyphylla</i>)
Signalgrass	(<i>Digitaria spp.</i>)
Crabgrass	(<i>Panicum dichotomiflorum</i>)
Fall Panicum	(<i>Cenchrus pauciflorus</i>)
Field Bindweed	(<i>Setaria faberii</i>)
Green Foxtail	(<i>Setaria viridis</i>)
Goosegrass	(<i>Elysius indica</i>)
Seeding Bermudagrass	(<i>Cynodon dactylon</i>)

CONTENTS

Statement of Practical Treatment	2
Precautionary Statements	3
Weeds Controlled by Sutazine +	3
General Use Precautions	5
Directions for Use of Sutazine +	7
Fluid Fertilizer Tank Mix	7
Impregnation on Dry Bulk Fertilizers	7
Application and Soil Incorporation Directions	8
Spray Application and Mechanical Incorporation	8
Center Pivot Sprinkler Application	9
Planting	10
Recommendations for Use on Corn (Field Sweet, Silage and Popcorn)	10
Cultural Practices Following Application	13
Appendix I	13
Appendix II	14
Appendix III	17
Storage and Disposal	21



Sutazine+
Selective Herbicide

preplant incorporated herbicide for annual grass and broadleaf weed control in corn

Complete Directions For Use, Use Precautions and Recommendations

STAUFFER CHEMICAL COMPANY, Westport, CT 06881-0850
EPA Reg. No. 476-2213 Stauffer Chemical Company 1992 A-2

Seeding
 Johnsongrass (*Sorghum halepense*)
 Texas Panicum
 Buffalograss
 Coloradograss (*Panicum texanum*)
 Volunteer Sorghum (*Sorghum* spp.)
 Wild Cane
 Shattercane
 Black Amber Cane
 Chicken Corn
 Scatter Cane (*Sorghum bicolor*)
 See Wild Cane Rate and Cultural Recommendations
 Wild Oats (*Avena fatua*)
 Witchgrass (*Panicum capillare*)
 Yellow Foxtail (*Setaria glauca*)

*Partial control (suppression) only
 Cultivation is suggested in addition to the SUTAZINE + treatment in fields with moderate to heavy infestations of wild cane, sandbur, johnsongrass, Texas panicum, volunteer sorghum, or broad leaf signalgrass.

† Southeast Region only

ANNUAL BROADLEAF WEEDS:

Annual Morningglory (*Ipomoea purpurea*)
 Carpetweed (*Mollugo verticillata*)
 Common Cocklebur (*Xanthium pennsylvanicum*)
 Common Lambsquarters (*Chenopodium album*)
 Common Purslane (*Portulaca oleracea*)
 Florida purslane (*Richardia scabra*)
 Jimsonweed (*Datura stramonium*)
 Mustards (*Brassica* spp.)
 Nightshade (*Solanum* spp.)
 Prostrate Pigweed (*Amaranthus graecizans*)
 Ragweed (*Ambrosia* spp.)

Redroot Pigweed (*Amaranthus retroflexus*)

Sicklepod
 Coffeeweed (*Cassia obtusifolia*)
 Smartweed (*Polygonum* spp.)
 Smooth Pigweed (*Amaranthus hybridus*)
 Velvetleaf (*Abutilon theophrasti*)

† Southeast Region Only

PERENNIAL WEEDS:

Dogbane (*Apocynum cannabinum*)
 Purple Nutgrass, Nutsedge (*Cyperus rotundus*)
 Rhizome Bermudagrass (*Cyperus dactylon*)
 Rhizome Johnsongrass (*Sorghum halepense*)
 Yellow Nutgrass, Nutsedge (*Cyperus esculentus*)

*Partial control (suppression) only

† Southeast Region only

Existing stands of nutgrass must be turned under and chopped up thoroughly before treatment. Cultivation is suggested in addition to SUTAZINE + treatment in fields with moderate to heavy nutsedge infestations.

GENERAL USE PRECAUTIONS

Read all label directions before using.

Applied according to directions and under normal growing conditions SUTAZINE + will not harm the treated crop. During germination and early stages of growth, extended periods of unusually cold and wet or hot and dry weather, insect or plant disease attack, carryover pesticide residues, the use of certain soil-applied

systemic insecticides, improperly placed fertilizers or soil insecticides may create abnormal conditions that weaken crop seedlings. SUTAZINE + used under these abnormal conditions could result in crop injury.

Make only one application per crop. After treatment with SUTAZINE +, do not plant any crop except corn until the following year or injury may occur. Do not apply after June 10.

Following corn harvest, thoroughly invert soil (deep disk or plow) in the fall or early spring to minimize injury potential to rotational spring-seed crops. Corn or soybeans may be planted the spring season following treatment. Injury may occur to soybeans planted in North Central and Northwest Iowa, South Central and Southwest Minnesota, Northeast Nebraska and Southeast South Dakota on soils having a calcareous surface layer. Small grains may be planted 15 months following treatment. All other atrazine-sensitive crops may be planted 18 months after application.

Do not use on milo or sorghum. Do not use on corn seed stock (Breeders' Foundation or Increase).

SUTAZINE + is recommended for use on mineral soils only (soils containing less than 10% organic matter).

Do not contaminate irrigation water (used for crops other than corn) or water used for domestic purposes.

Do not contaminate food or feed.

Keep container closed when not in use. Do not store near seeds, fertilizers, or foodstuffs.

Do not use in Arizona or in the ten Southernmost California counties.

In irrigated areas do not apply SUTAZINE + before pre-irrigation.

DIRECTIONS FOR USE OF SUTAZINE +

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

SUTAZINE + is a selective herbicide which is mixed (incorporated) into the soil for control of weeds listed on this label. SUTAZINE + controls annual grasses as their seeds germinate by interfering with normal germination and seedling development. It does not control established weeds.

SUTAZINE + can be mixed with water or combined with fluid (solution, slurry or suspension) fertilizers and applied as a spray or can be impregnated on dry bulk fertilizers.

SUTAZINE + FLUID FERTILIZER TANK MIX

SUTAZINE + can be combined with fluid fertilizers for applications made before planting. However, the physical compatibility with these fluid fertilizers must be determined before combining in the spray tank, and even though found to be compatible, constant agitation is necessary to keep the SUTAZINE + evenly mixed with the fluid fertilizer during application.

Refer to Appendix II regarding the procedure for testing the compatibility of SUTAZINE + with fluid fertilizers.

IMPREGNATION ON DRY BULK FERTILIZERS

Dry bulk fertilizers (except single superphosphate, triple superphosphate and nitrate fertilizers) may be impregnated or coated with SUTAZINE +. However, uniform distribution of

SUTAZINE + on fertilizer particles and uniform application are necessary to assure good results. See Appendix III for information and directions for impregnation and use for these combinations.

APPLICATION AND SOIL INCORPORATION DIRECTIONS

SPRAY APPLICATION AND MECHANICAL INCORPORATION

Apply the recommended dosage in 10 to 50 gallons of water per acre (use the higher volume in arid areas) using a properly calibrated low-pressure type nozzle (flood fan or swirl chamber) on boom-type sprayer having good but not excessive agitation. Check frequently during application to be sure nozzles are free from clogging and are delivering a uniform spray pattern.

The herbicides must be incorporated into the soil immediately after application to prevent loss of the SUTAZINE +. Whenever possible, application and incorporation should be done in the same operation. Apply the herbicides to soil dry enough to permit good soil mixing.

See Appendix I for Soil Mixing (incorporation) before Planting Directions.

Loss of weed control will result from any delay in incorporation if SUTAZINE + is applied to a moist soil surface.

If there must be a delay (less than one hour) in incorporation of the herbicides when application and incorporation are done in separate operations, SUTAZINE + must be applied to a dry soil surface (at least 1/2 inch deep) and free from dew and incidental moisture.

IMPORTANT: Thorough mixing of SUTAZINE + in the soil is necessary. The soil must be in good tilth. Improper discing or poor tilth (large clods) may result in unsatisfactory control.

CENTER PIVOT SPRINKLER APPLICATION

Apply SUTAZINE + with irrigation water before planting (see PLANTING), or immediately after planting before either corn or weeds emerge. It is important that application be done immediately after the last tillage operation since poor results will occur if the weeds have germinated before application of the herbicide. Meter the pre-mixed SUTAZINE + into the irrigation water during the entire period. Apply in 1/2 to 1 inch of water or sufficient water to penetrate the soil to a depth of 5 to 7 inches. Good agitation should be maintained during the entire application period.

USE PRECAUTIONS:

- Apply the product 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 the metering device and the water pump to insure simultaneous shut-off.
- Inject the product with a positive displacement pump into the main line ahead of a right angle turn to insure adequate mixing.
- Application of more than recommended quantities of irrigation water may result in decreased product performance by removing the chemical from the zone of effectiveness.
- Do not apply with wind speed favors drift when system connections or fittings leak when nozzles do not provide uniform distribution or when lines containing the product must be dismantled and drained.

PLANTING

Do not plant seed deeper than 2 inches. For a SUTAZINE + application made before planting seeding can be done immediately or it may be delayed up to 2 weeks. To avoid removing SUTAZINE + from the row (with loss of weed control in the row) do not move or shape soil after treatment such as by planting in deep furrows. If it is necessary to work the soil following application and incorporation but before planting do not work the soil deeper than the depth the herbicides were incorporated.

For Wild Cane: See Special Recommendations.

RECOMMENDATIONS FOR USE ON CORN (Field, Sweet, Silage and Popcorn)

NOTE: SUTAZINE + is not recommended on corn grown in Arizona or in the ten Southernmost California counties.

For all uses, cultivation is recommended in addition to the SUTAZINE + treatment in fields with moderate to heavy infestations of wild cane, nutgrass, sandbur, johnsongrass seedlings, rhizome bermudagrass, Texas panicum or volunteer sorghum.

Broadcast Rates Per Acre: Conventional sprays and center pivot sprinklers.

For control of annual grasses and broadleaf weeds: Use 5.25 to 7 pints of SUTAZINE + per acre. Use the higher rate of SUTAZINE + on medium (medium fine textured-silt loam, clay loam, etc.) to fine (fine textured-clay) soils and for sandbur and johnsongrass seedling control.

For control of nutsedge and Texas panicum (in addition to the broadleaf weeds and other annual grasses listed): Use 7 to 10.5 pints of SUTAZINE + per acre. Use the higher rates of SUTAZINE + on medium (medium fine textured-silt loam, clay loam, etc.) to fine (fine textured-clay) soils and for heavy infestations.

For partial control (suppression) of Wild Cane (and for control of the broadleaf weeds and annual grasses listed): When applied and incorporated immediately before planting SUTAZINE + the rate of 10.5 pints per acre on a broadcast basis will reduce competition from wild cane. On continuous corn acreage with high cane seed population rotation to another crop is recommended.

Suppression of wild cane may be improved if all the following practices are followed:

1. Fall or Spring Moldboard Plow
2. Before application the soil should be well worked with a disc and dry enough to permit good soil mixing of the herbicide (incorporation). All trash should be worked into the soil.
3. Delay application until soil warms to a constant 55 degrees or greater temperature. Plant immediately.
4. Incorporate thoroughly. Use recommended incorporation equipment and procedures found on this label.
5. Cultivate immediately if wild cane emerges. Cultivation should be shallower than the depth used when incorporating the herbicide.

For control of Johnsongrass and Bermudagrass (in addition to the broadleaf weeds and annual grasses listed): Apply and disc-incorporate SUTAZINE + just before planting at the rate of 7 to 10.5 pints per acre. Use the higher rate of SUTAZINE + on medium (medium fine textured-silt

loam, clay loam, etc.) soils, fine (fine textured-clay) soils for rhizome johnsongrass suppression and for heavy infestations. Disc a second time at right angles to the first. Cultivate at least once, preferably twice.

Johnsongrass: Using a program of plowing and discing followed by SUTAZINE + will give good control of seedlings and greatly reduce competition from plants coming from rhizomes.

In some areas discing 2 to 3 times spaced at 4 to 6 week intervals during fall and winter can be done. If this cannot be done start with fall plowing followed by several discings in the spring before planting. The discing cuts rhizomes into small pieces and brings them to the surface where both the weather and SUTAZINE + will kill or weaken them.

Rhizome Bermudagrass: The rhizomes and stolons of bermudagrass must be cut up thoroughly so that four or less nodes remain on a strand. For control of bermudagrass the disc must be set to cut 6 inches deep.

For Suppression of Broadleaf Signalgrass: For early and mid-season suppression use 10.5 pints of SUTAZINE + per acre. Cultivation or application of a post-emergence herbicide recommended for broadleaf signalgrass will aid in extending control to late season.

For Suppression of Hemp Dogbane: For early and mid-season suppression use 10.5 pints of SUTAZINE + per acre. Cultivation or application of a post-emergence herbicide recommended for hemp dogbane may aid in extending control beyond mid-season.

Fall Application: For use only in Minnesota, Northern Iowa (North of Interstate 80), Northeast Nebraska (North of Interstate 80 and East of State Highway 14), South Dakota (East of Mis-

souri River), Wisconsin and Northern Illinois (North of Interstate 80). Apply and incorporate 10.5 pints SUTAZINE + per acre in the late fall before the ground freezes.

NOTE: Do not use Fall application for suppression of wild cane.

CULTURAL PRACTICES FOLLOWING APPLICATION

Should weeds develop a shallow cultivation or rotary hoeing will generally result in better weed control. When cultivating for any reason it should be shallow, i.e. no more than the depth the herbicide was incorporated.

APPENDIX I

SOIL MIXING (INCORPORATION) BEFORE PLANTING DIRECTIONS

The following equipment commonly is used for soil mixing (incorporation) before planting:

Power-Driven Cultivation Equipment (Recommended on all soil types previously primary tilled). All PTO driven cultivation tools must be adjusted so as to have a tillage action speed (originating from internal gears and/or tractor gear) synchronized to the tractor's forward speed so that thorough soil mixing is obtained.

- a. Horizontal axis of rotation: set to cut 2 to 3 inches deep.
- b. Vertical axis of rotation: set to cut 6 to 8 inches deep.

Tandem discs (Recommended on all soil types). Set to cut to a depth of 4 to 6 inches, operated at 4 to 6 mph followed by a spike tooth harrow or some other leveling device which extends beyond the ends of the discs. For more thorough

mixing (for control of deep-germinating grasses—wild cane, seedling johnsongrass and nutsedge) disc in two different directions. When discing a second time the disc should be reset to cut no deeper than 4 to 6 inches.

Field cultivator (Recommended on lighter soils in good till) Use 3 to 4 rows of sweeps spaced at 7 inch or less intervals and staggered so that no soil is left unturned, followed by a spike-tooth harrow pulled behind the cultivator. Do not use chisels or points. Set the cultivator to cut 4 to 6 inches deep, operated at 5 mph or more. The field cultivator should not be used alone as an incorporation tool where control of deep-germinating weeds such as nutgrass, johnsongrass seedlings or wild cane is desired. For control of these weeds use a disc alone for at least one of the passes over the field.

APPENDIX II

PROCEDURE FOR TESTING THE COMPATIBILITY OF SUTAZINE + WITH FLUID FERTILIZERS.

The following procedure is suggested for determining whether SUTAZINE + may be combined with a specific fluid fertilizer for spray tank application.

MATERIALS REQUIRED:

1. SUTAZINE +
2. Fluid fertilizer to be used
3. Tank mix adjuvants for fluid fertilizer combinations: Complex, Sponto 168-D, Uni-Mix, Unite or equivalent. The adjuvant which provides the best compatibility depends on the specific fertilizer involved.
4. Two one-quart wide-mouth glass jars with lids.
5. Measuring spoons, a graduated pipette or cylinder will provide more accurate measurement. 1 tablespoon equals 3 teaspoons, 1 teaspoon equals approximately 5 milliliters.
6. Measuring cup 8 oz. (237 mL).

Complex: Kaino Laboratories Inc., Kansas City, Missouri; Sponto 168-D: Witco Chemical Company, Houston, Texas; Uni-Mix: Thompson Hayward Chemical Co., Kansas City, Kansas; Unite: Hopkins Agricultural Chemical Company, Madison, Wisconsin.

PROCEDURE:

1. Pour a pint (473 mL) of the fluid fertilizer into each of the quart jars.
2. Add adjuvant to one of the jars and mix (see next rate table).
3. Add the SUTAZINE + to both jars.
4. Close both jars with lids and mix the contents by turning the jars upside down ten times.
5. Inspect the surface and body of the mixtures.
 - (A) Immediately after completing the jar inversions.
 - (B) After allowing the jars to stand quietly for 30 minutes.
 - (C) And then again after turning the jars upside down 10 times.

If a uniform mix cannot be made the mixture should not be used. If either mixture remains uniform for 30 minutes the combination may be used. Should either mixture separate after 30 minutes but readily remix uniformly with ten jar inversions, the mixture can be used if adequate adjuvant is maintained in the tank. If the mixture with adjuvant is satisfactory but the one without adjuvant is not, be sure to use the adjuvant in the

spray tank. Add the adjuvant at a rate of 3 pints per 100 gallons of fluid fertilizer, foaming can be minimized by using moderate agitation.

If nondispersible oil sludge or clumps of solids form in the mixtures, the combination should not be used.

Rate Table* for SUTAZINE + and Adjuvant** with the Fluid Fertilizer

Gallons of Fluid Fertilizer to be applied per acre	mL of SUTAZINE + to be added to 1 pint of Fertilizer	
	mL	tsp
10	10 ¹ / ₂	2
15	7	1 ¹ / ₂
20	5 ¹ / ₂	1
25	4 ¹ / ₂	¹ / ₂
30	3 ¹ / ₂	¹ / ₂
40	2 ¹ / ₂	¹ / ₂

Based on field rate of 1 pound SUTAN and 1 pound atrazine per acre in the fertilizer volumes indicated. Increase volume proportionately to correspond with intended field rate in terms of pounds active ingredients per acre (e.g. for field rate of 4 pounds actual SUTAN* and 1 pound atrazine in 40 gallons fertilizer per acre, add 10 mL or 2 tsp SUTAZINE + to each jar for compatibility testing purposes).

** (2) milliliters or one-half (1/2) teaspoon of adjuvant should be added to 1 pint of fluid fertilizer in order to equal the rate of 3 pints of adjuvant per 100 gallons of fluid fertilizer.

APPENDIX III

SUTAZINE + IMPREGNATION ON DRY BULK FERTILIZERS

CAUTION: SUTAZINE + alone or in combination with other herbicides must not be impregnated on ammonium nitrate, potassium nitrate or sodium nitrate fertilizers. Such mixtures may cause explosion and fire.

Individual state regulations relating to dry bulk fertilizer blending, registration, labeling and application are the responsibility of the individual and/or company selling the SUTAZINE + fertilizer mixtures.

SUTAZINE + may be impregnated on many dry bulk fertilizers (1) and applied and incorporated into the soil either in the Fall before the ground freezes or before planting for the control of many grassy and broadleaf weeds.

All SUTAZINE + label and supplementary literature instructions and precautions regarding rates per acre, soil type and soil incorporation, application and other directions must be followed.

Test results have shown that SUTAZINE + on many dry bulk fertilizers gives weed control equal to SUTAN + 6.7-E or tank mixtures of SUTAN + 6.7-E, ATRAZINE (80W or 4L) applied as a spray in water or liquid fertilizer, or impregnated on dry bulk fertilizer. However, uniform impregnation of the SUTAZINE + on the dry fertilizer particles and uniform application in the field are necessary to assure good results.

A minimum of 200 pounds and a maximum of 700 pounds of approved fertilizer ingredients (1) impregnated with the appropriate amount of SUTAZINE + must be applied per acre.

For impregnating the SUTAZINE + on dry fertilizers, use a closed rotary-drum type mixer equipped with suitable spraying equipment. The spray nozzles should be positioned inside of the mixer to provide uniform spray coverage of the tumbling fertilizer. The SUTAZINE + should be sprayed uniformly onto the fertilizer using a line spray pattern. SUTAZINE + is a relatively viscous material particularly at low temperatures (20 F). At warmer temperatures (45-80 F) the viscosity is significantly lower (see viscosity data later in this appendix).

The physical properties of fertilizers vary particularly in liquid absorptive capacity. When absorptivity is sufficient, simple spray impregnation of the fertilizer with SUTAZINE + provides a satisfactory dry mixture.

If the absorptivity is not adequate, use of a highly absorptive powder is required to provide a dry, free-flowing mixture.

Microcel E (Johns-Mansville Products Corporation) is the recommended absorbent powder. It should be added separately and uniformly to the prepared pesticide-fertilizer mixture, in a quantity that is sufficient to provide a suitably free-flowing mixture.

The amount of SUTAZINE + actually required in the manufacture of individual fertilizer mixtures should be determined carefully for each production operation (2). This is necessary to ensure that the amount of SUTAZINE + actually contained in the mixture applied to the soil represents the correct rates of use.

Bulk fertilizers impregnated with SUTAZINE + should be applied immediately. NOT STORED. All bulk containers should be tightly covered while the products are being transported and applied to reduce chances of SUTAN loss via volatilization.

Do not combine SUTAZINE + with single superphosphate (0-20-0) or triple superphosphate (0-46-0).

SUTAZINE + Physical Data

Specific Gravity	1.019 (typical)
20°-20° C	
Pounds/Gallon (20° C)	8.480 (typical)
Flashpoint	-216 F (Setalflash closed cup)
Viscosity (typical)	1120 centipoise at 20° F 660 centipoise at 32° F 430 centipoise at 45° F 275 centipoise at 60° F 175 centipoise at 80° F 145 centipoise at 95° F

(1) APPROVED DRY FERTILIZER INGREDIENTS FOR USE WITH SUTAZINE +

	N	P	K
Ammonium Sulfate	21	0	0
Ammonium Phosphate-Sulfate	16	20	0
Diammonium Phosphate	18	46	0
Monoammonium Phosphate	11	56	0
Potassium Chloride	0	0	60
Potassium Sulfate	0	0	52
Urea*	45	0	0

* Some ureas may be phytotoxic when high rates are applied to corn. Use only urea rates known to be safe for corn application.

NOTE: Sul-Po-Mag, K-Mag and 11-48-0 have been shown to be compatible with SUTAZINE + and are approved for use.

FERTILIZER Rate/Acre

(2) RATE CHART FOR THE IMPREGNATION OF DRY BULK FERTILIZERS WITH SUTAZINE +

FERTILIZER Rate/Acre	SUTAZINE + Rate/Acre	SUTAZINE + Rate/Acre
	5 1/2 pts per acre	7 pts per acre
	10 1/2 pts per acre	
200 lbs	26 1/2 qts ton	35 qts ton
250 lbs	21 qts ton	28 qts ton
300 lbs	17 1/2 qts ton	23 1/2 qts ton
350 lbs	14 1/2 qts ton	20 qts ton
400 lbs	13 1/2 qts ton	17 1/2 qts ton
450 lbs	11 1/2 qts ton	15 1/2 qts ton
500 lbs	10 1/2 qts ton	14 qts ton
550 lbs	9 1/2 qts ton	12 1/2 qts ton
600 lbs	8 1/2 qts ton	11 1/2 qts ton
650 lbs	8 qts ton	10 1/2 qts ton
700 lbs	7 1/2 qts ton	10 qts ton
		15 qts ton

STORAGE AND DISPOSAL

PROHIBITIONS: Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. Do not reuse empty container.

STORAGE: Keep container tightly closed when not in use. Do not store near seeds, fertilizers or foodstuffs. Can be stored at temperatures as low as minus 30° F.

PESTICIDE DISPOSAL: Rinse spray equipment. Pesticide, spray mixture, or rinsate that cannot be used according to label instructions must be disposed of according to Federal or approved state procedures under Subtitle C of the Resource Conservation and Recovery Act.

CONTAINER DISPOSAL:

METAL—Triple rinse (or equivalent), then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or by other approved State or local procedures.

PLASTIC—Triple rinse (or equivalent), puncture and dispose of in a sanitary landfill or by incineration if allowed by State and local authorities.



SUPPLEMENTAL LABEL DIRECTIONS FOR USE BY CUSTOM APPLICATORS ONLY

Sutazine+

Selective Herbicide for Corn (Field, Sweet, Silage and Popcorn)
EPA Reg. No. 476-2213

INCORPORATION DIRECTIONS FOR SUTAZINE + FOR USE BY CUSTOM APPLICATORS ONLY

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Refer to Appendix I of the EPA-registered label for Soil Mixing (Incorporation) before Planting Directions. SUTAZINE + must be incorporated into the soil immediately to prevent loss of the herbicide. Whenever possible, application and incorporation should be done in the same operation. Loss of weed control will result from any "Time Lag"† in incorporation if SUTAZINE + is applied to a moist soil surface.

If there must be a "Time Lag" because application and incorporation are done in separate operations, SUTAZINE + must be applied to a soil surface which is dry (to at least ½ inch deep) and free from dew and incidental moisture. If the "Time Lag" in incorporation is more than one hour, it is recommended that the higher rates of SUTAZINE + (7 to 10.5 pints per acre) be used. Refer to the recommendations and application rates specified on the EPA-registered label. Never delay completion of incorporation more than four hours.

† "Time Lag" is the difference in time between when the applicator has finished the application and incorporation has been completed. **IMPORTANT:** Thorough mixing of SUTAZINE + in the soil is necessary. The soil must be in good tilth. Improper discing or poor tilth (large clods) may result in unsatisfactory control. All applicable directions, restrictions, and precautions on the EPA-registered label are to be followed. This labeling must be in the possession of the user at the time of pesticide application.

NOTICE—READ CAREFULLY

CONDITIONS OF SALE: Stauffer (and seller) offer(s) this product for sale subject to, and buyer and all users are deemed to have accepted, the following conditions of sale and warranty which may only be varied by written agreement of a duly authorized representative of Stauffer.

WARRANTY LIMITATION: Stauffer warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the directions for use on the label subject to the inherent risks referred to below. Stauffer makes no other express warranties; THERE IS NO IMPLIED WARRANTY OF MERCHANTABILITY and there are no warranties which extend beyond the description on the label hereof.

INHERENT RISKS: The directions for use of this product are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks associated with use. Buyer assumes all risks associated with use or application of this product contrary to label instructions or resulting from extraordinary weather conditions.

LIMITATION OF LIABILITY: In no case shall Stauffer be liable for special, indirect or consequential damages resulting from the use or handling of this product and no claim of any kind shall be greater in amount than the purchase price of the product in respect of which such damages are claimed.

This product is sold only for uses stated on its label. No express or implied license is granted to use or sell this product under any patent in any country except as specified.
Country U.S.A. Patent No. 4,021,224 4,137,070

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STAUFFER CHEMICAL COMPANY
WESTPORT, CT 06881-0850

Stauffer Chemical Company 1997