

SPECIAL LITERATURE

Additional information for preparing SUTAN[®] + 6.7E/ATRAZINE and SUTAN[®] + 6.7E/BLADEX tank mix combinations

1. Fill spray tank $\frac{2}{3}$'s full (at least $\frac{1}{4}$ full for BLADEX).
2. Premix the ATRAZINE or BLADEX and add to spray tank using moderate or smooth, not excessive or turbulent, agitation.
3. Make sure the ATRAZINE, or BLADEX, is **thoroughly wetted** and **dispersed** in the tank.
4. Add the SUTAN + 6.7E to the spray tank with the balance of water maintaining moderate agitation.
5. Avoid delay in applying the spray mix. Apply the spray mix to the field with pump pressure of 20 to 40 p.s.i.

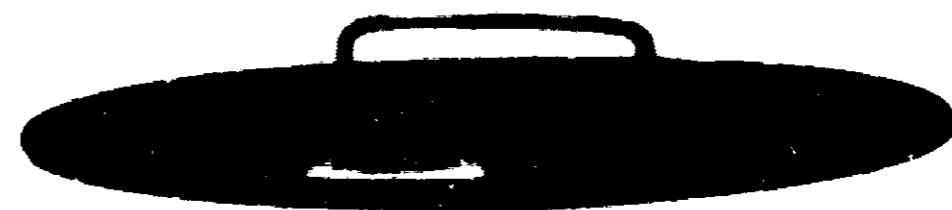
It is important that the ATRAZINE or BLADEX be **thoroughly wetted** and **dispersed** prior to adding SUTAN + 6.7E. If problems should be encountered, it is recommended that Ivory[®] Liquid or Joy[®] dishwashing detergent be added to the **straight** water in the **clean** tank **before** adding the ATRAZINE or BLADEX. The Ivory Liquid or Joy detergent should be added at a rate of $\frac{3}{4}$ to one pint per 100 gallons of final spray mix. To reiterate, the Ivory or Joy should be added **before** the addition of **any** of the herbicide components. When using a liquid fertilizer as the carrier for SUTAN + 6.7E and ATRAZINE or BLADEX, be sure to check the compatibility using the jar test as described in our special literature. If incompatibility in water or liquid fertilizer has occurred because of improper mixing, it is important to clean the tank, pump, lines, and nozzles carefully, using kerosene or diesel fuel, then **thoroughly rinse the equipment** with a detergent and clean water. Tank and lines must be clean.

Sutan[®] + 6.7E

EPA Reg. No. 476-2156

STAUFFER CHEMICAL COMPANY
WESTPORT, CT 06880

**Improved
Formulation**



Sutan +

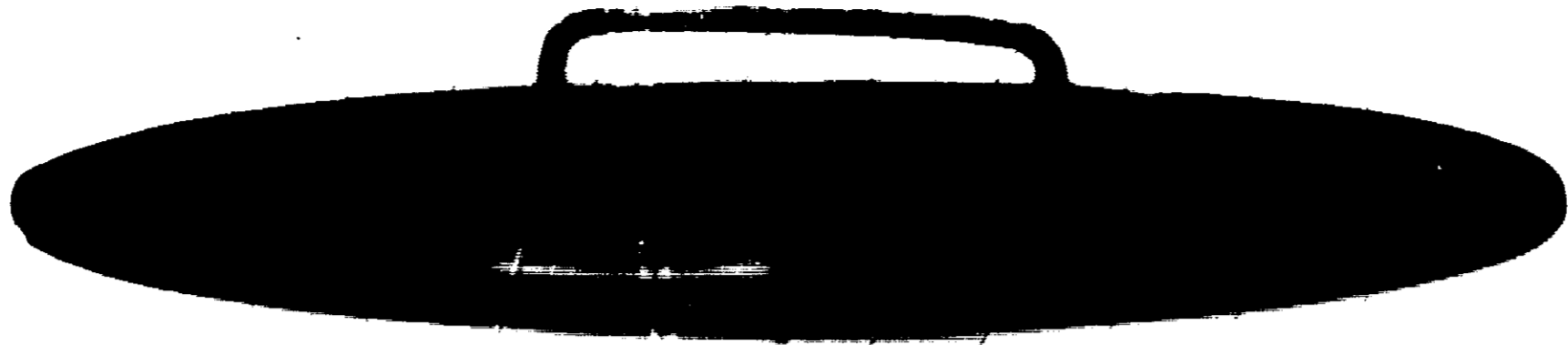
67E

FULL SPREADABLE LIQUID
CORN FIELD SWEET AND
ACTIVE INGREDIENT
S-ethyl disobutylthiocarbamate
INERT INGREDIENTS
EPA Reg. No. 101-101-01
Made in U.S.A. by STAUFFER
Westport, CT 06880

**Improved
Formulation**



ACCEPTED
[Signature]
UNDER THE FEDERAL INSECTICIDE
FUNGICIDE AND RODENT CIDE ACT
FOR ECONOMIC POISON REGISTERED
ED UNDER NO. 101-101-01 SUBJECT
TO ATTACHED COMMENTS.



Stauffer Sutan +

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... children
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... breathing spray mist
... Wash skin with soap and
... rinses with water
... 2913 327
... (S)

6.7E
EMULSIFIABLE LIQUID—SELECTIVE HERBICIDE
CORN (FIELD, SWEET, AND SILAGE)
ACTIVE INGREDIENT:
S-ethyl diisobutylthiocarbamate
INERT INGREDIENTS
Contains 6.7 Lbs. of Active Ingredient Per Gallon
Made in U.S.A. by STAUFFER CHEMICAL COMPANY
Westport, CT 06880

Improved
Formulation



ACCEPTED
Sept 21, 1976
UNDER THE FEDERAL INSECTICIDE
FUNGICIDE AND RODENTICIDE ACT
FOR ECONOMIC POISON REGISTERED
ED UNDER NO. *11113* SUBJECT
TO ATTACHED COMMENTS.



Sutan +

CAUTION

Keep Out of Reach of Children

Harmful if Swallowed

Avoid contact with skin and eyes. Avoid breathing spray mist.
Wear rubber gloves and fresh clothing. Wash skin with soap and water immediately after contact. Flush eyes with water.

EPA Reg No 476-2156-AA U.S. Patent No 2,913,327

Can be stored at temperatures as low as minus 50° F.

5 GAL NET (18.9 liters)

6.7E

EMULSIFIABLE LIQUID—SELECTIVE HERBICIDE FOR
CORN (FIELD SWEET AND SILAGE)

ACTIVE INGREDIENT

S-ethyl disobutylthiocarbamate

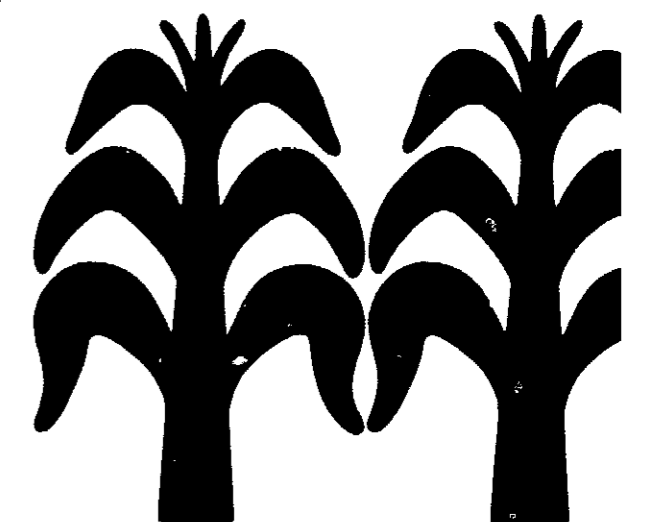
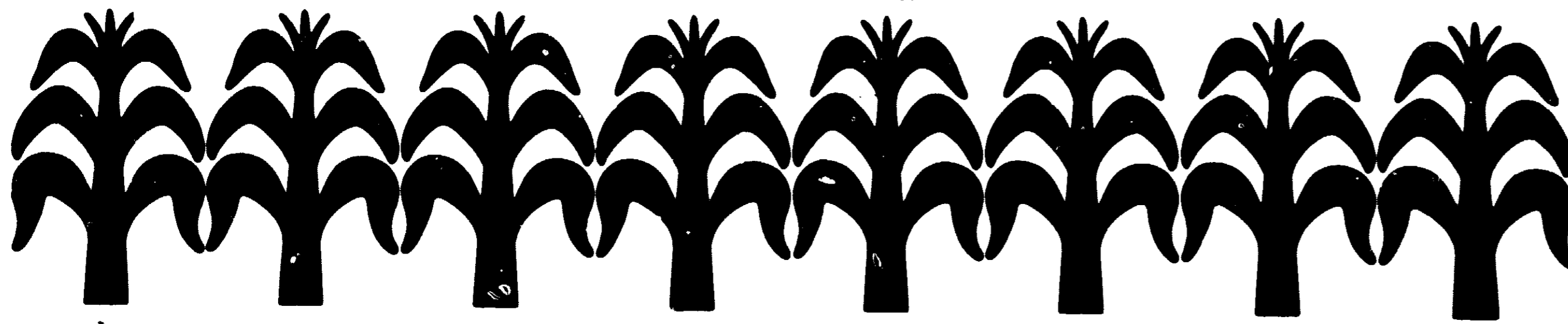
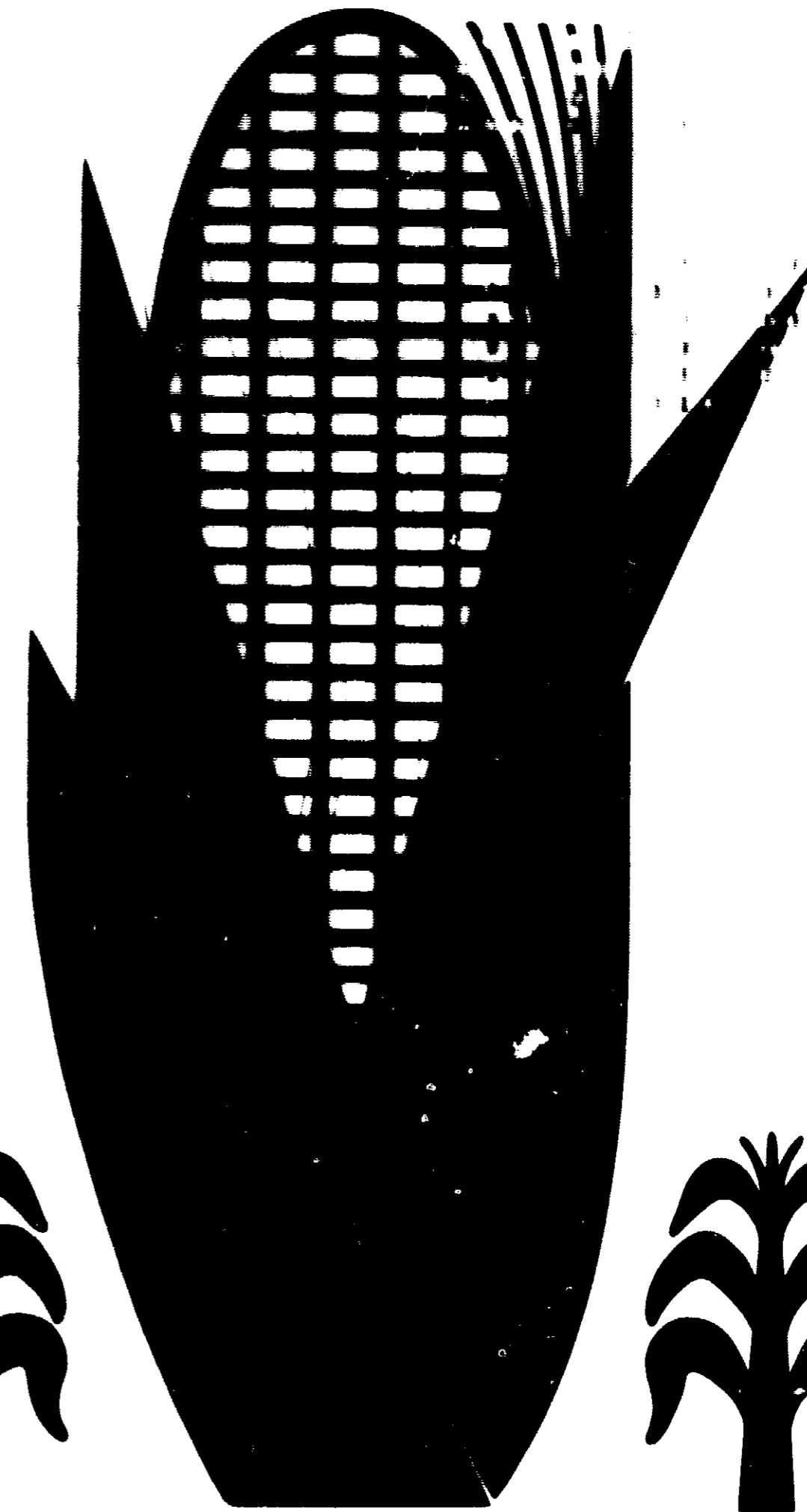
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INERT INGREDIENTS

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100.0%

Made in U.S.A. by STAUFFER CHEMICAL COMPANY
Westport, CT 06880

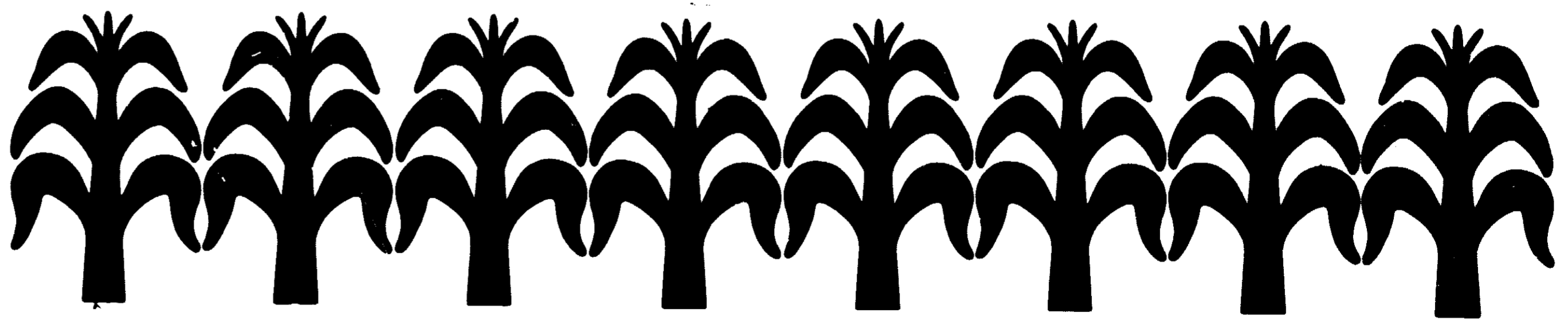
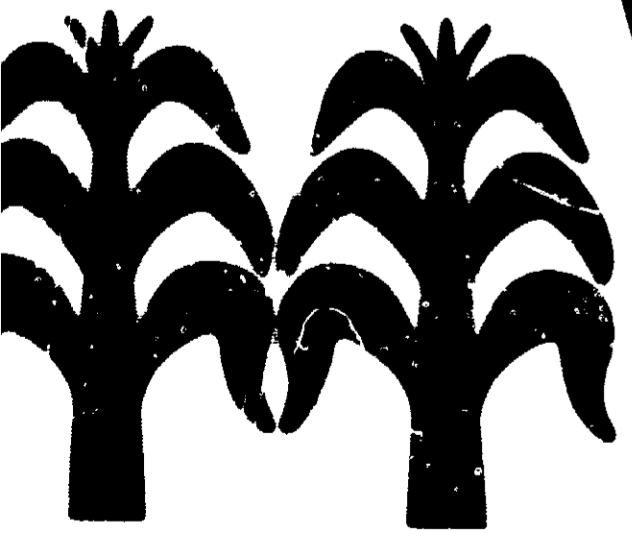
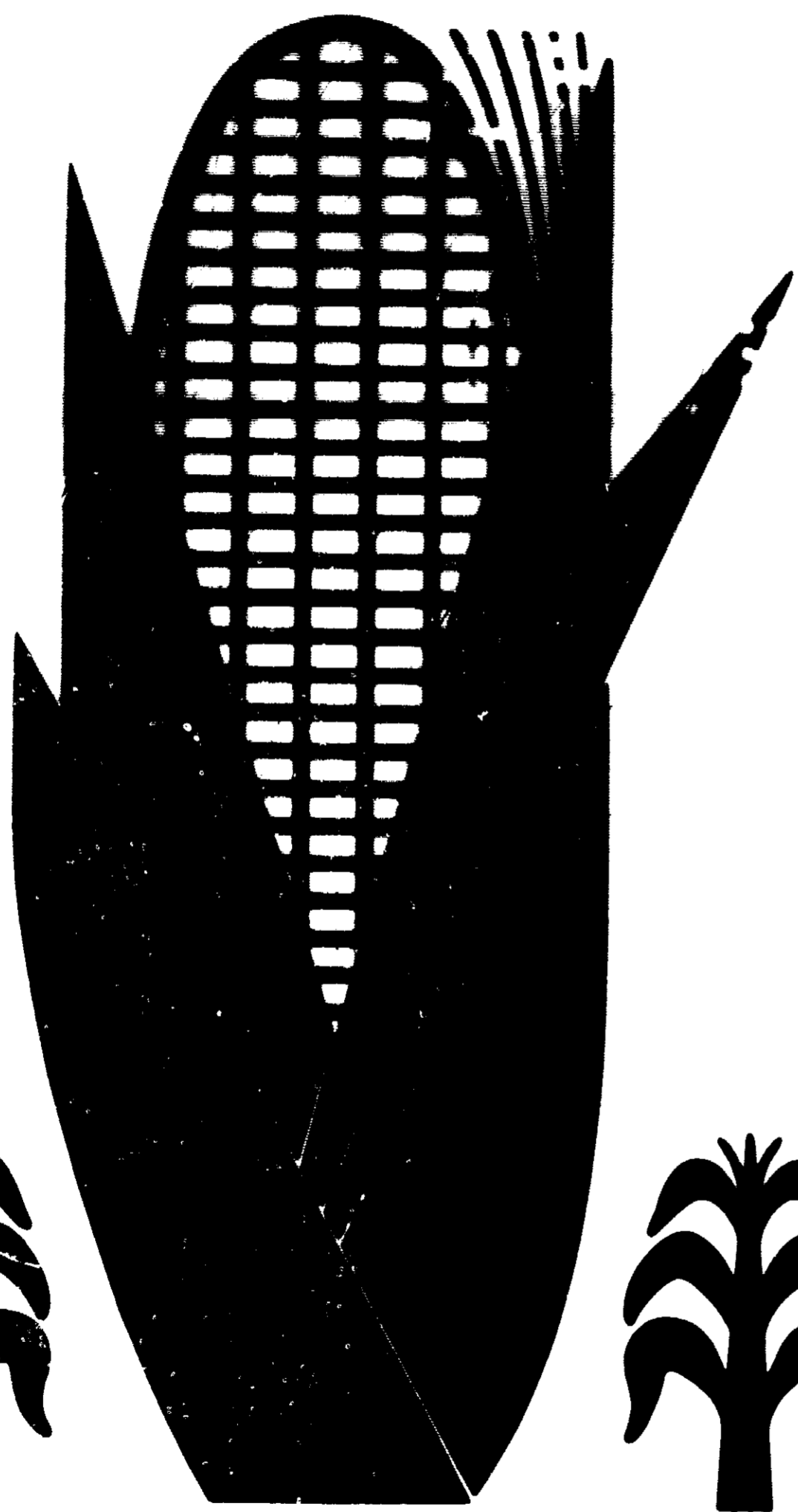


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SUTAN+6.7E
IMPORTANT

See attached booklet for Use Precautions, Directions for Use and Recommendations.
Read all precautions and directions before using

Rinse spray equipment and empty container. Do not re-use container! Perforate, crush and bury with liquid waste in isolated area away from water supplies. Do not contaminate water by cleaning of equipment or disposal of wastes.

Notice: Stauffer Chemical Company makes no warranty, express or implied, including the warranties of merchantability and/or fitness for any particular purpose, concerning this material, except those which are contained on Stauffer's label.

July 14, 1976

476-2137

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STAUFFER CHEMICAL COMPANY

PESTICIDE INFORMATION BULLETIN

SUTAN+ 6.7E IMPREGNATION ON DRY BULK FERTILIZERS

**SUTAN+ 6.7E PLUS ATRAZINE 80W IMPREGNATION
ON DRY BULK FERTILIZERS**

SUTAN+ 6.7E alone and in combination with ATRAZINE 80 W may be impregnated on many dry bulk fertilizers (1) (2) and applied and incorporated into the soil before planting for the control of certain grassy weeds by SUTAN+, and many grassy and broadleaf weeds by the SUTAN+/ATRAZINE combination, in corn.

All SUTAN+ 6.7E and ATRAZINE 80 W 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 SUTAN+ 6.7E and SUTAN+ 6.7E plus ATRAZINE 80W on many dry bulk fertilizers give weed control equal to SUTAN+ 6.7E and a tank-mix of SUTAN+ 6.7E plus ATRAZINE 80 W respectively applied as a spray in water or liquid fertilizer. However, uniform impregnation of the pesticides 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 450 pounds of approved fertilizer ingredients (1) (2) impregnated with the appropriate amount of SUTAN+ 6.7E and ATRAZINE 80 W must be applied per acre.

For impregnating the pesticides 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 SUTAN+ 6.7E should be sprayed uniformly onto the fertilizer using a fine spray pattern. For the SUTAN+/ATRAZINE combination product, the ATRAZINE 80 W can be added and mixed uniformly with the fertilizer prior to the SUTAN+ 6.7E addition, or alternatively, the SUTAN+ 6.7E and ATRAZINE 80 W can be mixed in the proper use ratio to prepare a uniform slurry for joint spray impregnation.

The physical properties of fertilizers vary, particularly in liquid absorptive capacity. When absorptivity is sufficient, simple spray impregnation of the fertilizer with SUTAN+ 6.7E 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-Manville 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. Generally, less than 2% by weight of Microcel E is required.

The amount of SUTAN+ 6.7E and ATRAZINE 80 W actually required in the manufacture of individual fertilizer mixtures should be determined carefully for each production operation. This is necessary to ensure that the amounts of SUTAN+ and ATRAZINE actually contained in the mixture applied to the soil represent the correct rates of use.

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

Do not impregnate SUTAN+ 6.7E or SUTAN+ 6.7E plus ATRAZINE 80W on ammonium nitrate. Do not use fertilizers containing ammonium, potassium, or sodium nitrate.

Do not combine SUTAN+ 6.7E plus ATRAZINE 80 W with single superphosphate (0-20-0) or triple superphosphate (0-46-0).

Bulk fertilizers impregnated with SUTAN+ 6.7E or SUTAN+ 6.7E plus ATRAZINE 80 W 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.

(1) APPROVED DRY FERTILIZER INGREDIENTS FOR USE WITH SUTAN+ 6.7E

	N	P	K
Ammonium sulfate	21	0	0
Ammonium phosphate-sulfate	16	20	0
Diammonium phosphate	18	46	0
Potassium chloride	0	0	60
Potassium sulfate	0	0	52
Single superphosphate	0	20	0
Treble superphosphate	0	46	—
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 SUTAN+ and are approved for use.

SUTAN+ 6.7E physical data

Specific gravity 20/20° C: 0.946
 Pounds/gallon, 20/20° C: 7.87
 Flashpoint: 190° F (Tagliabue closed cup)
 Viscosity: Sprayable down to minus 20° F

(2) APPROVED DRY FERTILIZER INGREDIENTS FOR USE WITH SUTAN+ 6.7E PLUS ATRAZINE 80 W

	N	P	K
Ammonium sulfate	21	0	0
Ammonium phosphate-sulfate	16	20	0
Diammonium phosphate	18	46	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 SUTAN+ and are approved for use.

(3) RATE CHART FOR THE IMPREGNATION OF DRY BULK FERTILIZERS WITH SUTAN+ 6.7E or SUTAN+ 6.7E PLUS ATRAZINE 80-WP

Fertilizer Rate Per Acre	SUTAN+ 6.7E Rate/Acre			ATRAZINE 80-WP Rate/Acre	
	3¾ pts. per acre	4¾ pts. per acre	7⅓ pts. per acre	1¼ lbs. per acre	2 lbs. per acre
200 lbs.	18¾ qts./ton	23¾ qts./ton	36⅔ qts./ton	12½ lbs./ton	20 lbs./ton
250 lbs.	15 qts./ton	19 qts./ton	29⅓ qts./ton	10 lbs./ton	16 lbs./ton
300 lbs.	12½ qts./ton	15⅔ qts./ton	24⅔ qts./ton	8⅓ lbs./ton	13⅓ lbs./ton
350 lbs.	10¾ qts./ton	13⅔ qts./ton	21 qts./ton	7⅓ lbs./ton	11⅔ lbs./ton
400 lbs.	9⅔ qts./ton	11⅔ qts./ton	18⅓ qts./ton	6¼ lbs./ton	10 lbs./ton
450 lbs.	8⅓ qts./ton	10½ qts./ton	16⅓ qts./ton	5½ lbs./ton	8⅔ lbs./ton

WEEDS CONTROLLED BY SUTAN + 6.7E

SUTAN + 6.7E will not control established weeds

ANNUAL GRASSES:

- Barnyardgrass (*Echinochloa crusgalli*)
- Watergrass (*Digitaria spp.*)
- Crabgrass (*Panicum dichotomiflorum*)
- Fall Panicum (*C. pauciflorus*)
- Field Sandbur* (*Setaria faberii*)
- Grant Foxtail (*Setaria viridis*)
- Green Foxtail (*Setaria glauca*)
- Yellow Foxtail (*Eleusine indica*)
- Goosegrass
- Rhizome Johnsongrass** (*Sorghum halepense*)
- Seedling Johnsongrass* (*Sorghum halepense*)
- Seedling Bermudagrass (*Cynodon dactylon*)
- Texas Panicum* (*P. texanum*)
- Buffalograss
- Coloradograss
- Volunteer Sorghum (*Sorghum spp.*)
- Wild Cane* Shattercane, Black Amber Cane, Chicken Corn, Scatter Cane (*Sorghum bicolor*)

*Cultivation is suggested in addition to the SUTAN + 6.7E treatment in fields with moderate or heavy infestations of wild cane, sandbur, Johnsongrass, or buffalograss (Texas Panicum).

**Partial control (suppression) only

PERENNIAL WEEDS:

- Purple Nutgrass (Nutsedge) (*Cyperus rotundus*)
- Yellow Nutgrass (Nutsedge) (*Cyperus esculentus*)

Existing stands of nutgrass must be turned under and chopped up thoroughly before treatment. Cultivation is suggested in addition to SUTAN + 6.7E treatment in fields with moderate or heavy nutgrass infestations.

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*BLADEX is the registered trademark of Shell Chemical Company.

GENERAL USE PRECAUTIONS

Read all label directions before using

Applied according to directions and under normal growing conditions, SUTAN + 6.7E will not harm the treated crop. During germination and early stages of growth, certain periods of unusually dry and hot or dry weather, insect or plant diseases, or carryover pesticide residues, or a certain soil-applied system, such as the use of properly placed fertilizers, may create abnormal conditions which may injure crop seedlings. SUTAN + 6.7E will not control these abnormal conditions or prevent crop injury.

When applied according to directions, SUTAN + 6.7E will not harm the crop through the season.

SUTAN + 6.7E should not be applied to a crop in the S. Atlantic States or to a silage crop intended for use as animal feed after normal harvest.

Do not use on crops which are sensitive to herbicides.

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DIRECTIONS FOR USE OF SUTAN + 6.7E

Apply to the spray tank during the filling operation. Apply 10 to 50 gallons of water per acre using a properly calibrated low pressure (4 psig) boom type sprayer having a spray nozzle which will deliver the higher gallonage rate. The nozzle should be well worked to insure proper permit good soil mixing.

The herbicide must be incorporated into the soil to prevent loss of the herbicide. Where possible, application and incorporation should be done in the same operation. The operator into the soil by using a moldboard plow (PLANTING) using power driven harrow equipment set to a depth of 4 to 6 inches, operated at a forward speed of 4 to 6 miles per hour, or a harrow pulled by a spiked-tooth harrow, or a roller leveling device which extends across the ends of the disc. For best results, the disc in two different directions. Prior to the second discing operation, it is suggested to prevent cutting deeper than 4 to 6 inches.

CENTER PIVOT SPRINKLER APPLICATION (Limit use to Western Plains states only)

Apply SUTAN + 6.7E with irrigation water at the planting (see PLANTING) or immediately after planting, before either corn or sorghum emerge. It is important that application be made immediately after the last tillage operation. Since best results will occur if the weeds have germinated before application of the herbicide. Meter the SUTAN + 6.7E into the irrigation water during the entire period. Apply 10 to 24 inch of water.

SUBSURFACE APPLICATION BEFORE OR AT PLANTING (Limit use to the Southeastern U.S. only)

Apply the herbicide with a subsurface application equipment designed for subsurface application. MUST be used. Injector units must be equally mounted on or IMMEDIATELY adjacent to the IMMEDIATELY behind the center unit.

SOIL INJECTION: 3" ultra and injector shanks must be spaced 31" inches apart. The two shanks adjacent to the drill row must be 12" to 2" inches on either side of it. Mount injector bars in staggered positions to avoid trash buildup. Set injectors to inject SUTAN + 6.7E 3 inches below the soil surface. The width of the band in which weed control is desired will determine the number of injectors required per row. (Example: Four injectors spaced 31" inches apart give a 14 inch band). A broadcast application can be made by increasing the number of shanks. Seal injector openings by using a roller or chain drag behind the injectors. Apply the recommended rate of SUTAN + 6.7E - 20 to 50 gallons of water per acre.

PLANTING

Plant seed to a maximum depth of 3 inches. Plant within 2 weeks after preplant application. To avoid removing SUTAN + 6.7E 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.

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 1/2 the depth the herbicide was incorporated).

RECOMMENDATIONS—SUTAN + 6.7E

A sequential application of 2.4-D may be necessary to control weeds resistant to SUTAN + 6.7E.

Under circumstances when a pre-plant stand of weeds is formed after SUTAN + 6.7E treatment is used by the grower, the weeds should be planted again without working the field.

RECOMMENDATIONS

For all uses, cultivation is recommended in addition to SUTAN + 6.7E treatment in fields with moderate to heavy infestations of wild cane, nutgrass, sandbur, Johnsongrass seedlings or buffalograss (Texas Panicum).

BROADCAST RATES PER ACRE (Conventional sprays and center pivot sprinklers)

For control of most annual grasses: Use 3 1/2 to 4 1/2 pints of SUTAN + 6.7E. Use the higher rate on medium (medium fine textured silt loam, clay loam, etc.) to heavy (fine textured clay) soils and for sandbur and Johnsongrass seedling control.

For control of wild cane, nutsedge (nutgrass) and buffalograss (in addition to the other annual grasses listed): Use 4 1/2 to 7 1/2 pints of SUTAN + 6.7E. Use the higher rates on medium (medium fine textured silt loam, clay loam, etc.) soils, heavy (fine textured clay) soils and for heavy infestations.

Johnsongrass: Using a program of plowing and discing followed by SUTAN + 6.7E 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, in the winter and SUTAN + 6.7E will kill or weaken them.

Next, apply and incorporate with SUTAN + 6.7E just before planting at the rate of 4 1/2 to 7 1/2 pints per acre. Use the higher rates of SUTAN + 6.7E on medium (medium fine textured silt loam, clay loam, etc.) soils, heavy (fine textured clay) soils, rhizome Johnsongrass suppression, and on heavy infestations. Disc a second time at right angles to the first. Cultivate at least once, preferably twice.

SUBSURFACE INJECTION APPLICATION (Limit use to the Southeastern U.S. only)

Use 2 1/2 pints SUTAN + 6.7E per acre and apply and incorporate with irrigation water. 5 pints per acre may be used on heavy infestations.

SUTAN + 6.7E/ATRAZINE TANK MIX DIRECTIONS

A tank mix containing SUTAN + 6.7E and ATRAZINE can be applied and mixed into the soil before planting for weed control. The combination will control the broadleaf weeds and grasses which are not controlled by SUTAN + 6.7E. The potential hazard of ATRAZINE residues after long term soil binding is greatly reduced by applying a low rate of ATRAZINE in a row when this is combined with SUTAN + 6.7E than when it is used alone.

*Field weed control and weeds which appear on the ATRAZINE label supplement, ATRAZINE, label, and elsewhere on this label.

APPLICATION AND SOIL INCORPORATION DIRECTIONS

SPRAY APPLICATION AND MECHANICAL INCORPORATION

Apply to the spray tank during the filling operation.

SUTAN TANK Ma... WEI SUT ANN Barr... Crab Fall... Field Gran... Yellow... Seed... Rhiz... Jc... Sner... Jc... Texe... Bu... Volu... Wild... Wild... Witc... Cul... SU... will... can... buf... **Pa... ANN... Anni... Carp... Coci... IC... Jims... Lam... IC... Mus... Nigh... Carr... Rag... Red... Prog... Sme... Sma... Vely... Chan... PER... Furr... IN... rell... ON... eas... only... S... S... DIR... TAN... The... m... app... the... SUTA... TANK

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6.7E into the spray tank during the filling operations. Apply 10 to 50 gallons of water per acre using a properly calibrated, low-pressure (20-40 psi), boom-type sprayer having good agitation (use the higher gallonage in arid areas). The soil should be well worked and dry enough to permit good soil mixing and incorporation.

SUTAN - 6.7E 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. Mix and incorporate into the soil before planting (see PLANTING) using power-driven cultivation equipment set to cut to a depth of 2 to 3 inches or tandem discs set to cut to a depth of 4 to 6 inches, operated at 4 to 6 mph, followed by a spiked-tooth harrow or some other leveling device which extends beyond the ends of the disc. For thorough mixing, disc in two different directions (cross disc). Prior to the second discing adjust the disc to prevent cutting deeper than 4 to 6 inches.

CENTER PIVOT SPRINKLER APPLICATION (Limit use to Western Plains states only).

Apply SUTAN - 6.7E 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 SUTAN - 6.7E into the irrigation water during the entire period. Apply in 1/2 to 3/4 inch of water.

SUBSURFACE APPLICATION BEFORE OR AT PLANTING (Limit use to the Southeastern U.S. only).

Special equipment designed for subsurface application MUST be used. Injector units must be rigidly mounted on or IMMEDIATELY ahead of or IMMEDIATELY behind the plow or unit.

SOIL INJECTION: Choppers and injector shanks must be spaced 31 1/2 inches apart. The two shanks adjacent to the drill row must be 1 1/2 to 2 inches on either side of it. Mount injectors in staggered positions to avoid trash buildup. Set injectors to inject SUTAN - 6.7E 3 inches below the soil surface. The width of the band in which weed control is desired will determine the number of injectors required per row. (Example: Four injectors spaced 31 1/2 inches apart give a 14 inch band). A broadcast application can be made by increasing the number of shanks. Seal injector openings by using a roller or chain drag behind the injectors. Apply the recommended rate of SUTAN - 6.7E in 20 to 50 gallons of water per acre.

SUBSURFACE INJECTION APPLICATION (Limit use to the Southeastern U.S. only).

Use a special applicator designed for subsurface application. Apply the herbicide to the soil surface 3 to 4 inches behind the plow or unit. Apply the recommended rate of SUTAN - 6.7E in 20 to 50 gallons of water per acre.

PLANTING

Plant seed to a maximum depth of 2 inches. Plant within 2 weeks after preplant application. To avoid removing SUTAN - 6.7E from the row, avoid loss of weed control in the row, do not move or shape soil after treatment such as planting in deep furrows.

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 1/2 the depth the herbicide was incorporated

or injected. A sequential application may be necessary to control weeds resistant to SUTAN - 6.7E.

Under circumstances where the normal use of the herbicide is not sufficient, a second application can be made 4 to 6 weeks after the first application.

RECOMMENDATIONS

For all uses, apply SUTAN - 6.7E in addition to SUTAN - 6.7E with moderate to heavy infestations of cane nutgrass, sandbur, Johnsongrass, or buffalograss (Texas Panicum).

BROADCAST RATES PER ACRE (Conventional sprays and center pivot)

For control of most annual grasses: Use 4 3/4 pints of SUTAN - 6.7E on medium to heavy textured (silt loam, clay loam, etc.) soils and 1 1/2 pints on heavy textured (fine textured clay) soils and for seedling control.

For control of wild cane nutgrass and buffalograss: Use 4 3/4 pints of SUTAN - 6.7E on medium to heavy textured (silt loam, clay loam, etc.) soils and 1 1/2 pints on heavy textured (fine textured clay) soils and for seedling control.

Johnsongrass: Use 4 3/4 pints of SUTAN - 6.7E on medium to heavy textured (silt loam, clay loam, etc.) soils and 1 1/2 pints on heavy textured (fine textured clay) soils and for seedling control.

In some areas, discing 2 to 3 times, spaced at 4 to 6 week intervals during fall and winter, can be done.

with the use of special equipment designed for subsurface application. MUST be used. Injector units must be rigidly mounted on or IMMEDIATELY ahead of or IMMEDIATELY behind the plow or unit.

Next, apply and incorporate SUTAN - 6.7E just before planting. At the rate of 4 3/4 pints plus 1 1/2 to 2 1/2 pounds of ATRAZINE 4L per acre. Use the higher rate of ATRAZINE on soils with over 5% organic matter.

SUBSURFACE INJECTION APPLICATION (Limit use to the Southeastern U.S. only).

Use a special applicator designed for subsurface application. Apply the herbicide to the soil surface 3 to 4 inches behind the plow or unit. Apply the recommended rate of SUTAN - 6.7E in 20 to 50 gallons of water per acre.

SUTAN + 6.7E/ATRAZINE TANK MIX DIRECTIONS

Make only one application per crop. After treatment with SUTAN - 6.7E/ATRAZINE combination, do not plant any crop except corn until the following year or injury may occur.

For preplant uses the SUTAN - 6.7E/ATRAZINE (80W or 4L combination) also may be combined with fluid solution, slurry or suspension fertilizers. However, the physical compatibility with these fluid fertilizers must be determined before combining in the spray tank. Refer to the section appearing elsewhere on this label entitled SUTAN - 6.7E/ATRAZINE/FLUID FERTILIZER TANK MIX DIRECTIONS.

Make only one application per crop. After treatment with SUTAN - 6.7E/ATRAZINE combination, do not plant any crop except corn until the following year or injury may occur.

WEEDS CONTROLLED BY SUTAN + 6.7E/ATRAZINE

ANNUAL GRASSES:

Barnyardgrass	(Echinochloa crusgalli)
Crabgrass	(Digitaria spp.)
Buffalograss	(Panicum dichotomillorum)
Redtop	(C. pauciflorus)
Johnsongrass*	(Seteria faberii)
Common Fxta	(Seteria viridis)
Green Fxta	(Seteria glauca)
Eleusinegrass	(Eleusine indica)
Seedling	
Hemudagrass	(Cynodon dactylon)
Johnsongrass**	(Sorghum halepense)
Seedling	
Johnsongrass*	(Sorghum halepense)
Texas Panicum*	
Buffalograss	
Coloradograss	(P. texanum)
Volunteer Sorghum	(Sorghum spp.)
Wild Cane*	(Sorghum bicolor)
Wild Oats	(Avena fatua)
Witchgrass	(Panicum capillare)

*Cultivation is suggested in addition to the SUTAN - 6.7E/ATRAZINE treatment in fields with moderate to heavy infestations of wild cane, sandbur, Johnsongrass seedling or buffalograss (Texas Panicum).

**Partial control (suppression) only.

ANNUAL BROADLEAF WEEDS:

Annual Morningglory	(Ipomoea purpurea)
Carpetweed	(Mollugo verticillata)
Cocklebur	(Xanthium pensylvanicum)
(Common)	
Jimsonweed	(Datura stramonium)
Lambsquarters	(Chenopodium album)
(Common)	
Mustards	(Brassica spp.)
Nightshade	(Solanum spp.)
Common Purslane	(Portulaca oleracea)
Ragweed	(Ambrosia spp.)
Redroot Pigweed	(Amaranthus retroflexus)
Prostrate Pigweed	(Amaranthus graecizans)
Smooth Pigweed	(Amaranthus hybridus)
Smartweed	(Polygonum spp.)
Velvetleaf	(Abutilon theophrasti)
Florida Purslane	(Richardia scabra)

PERENNIAL GRASSES:

Purple Nutgrass (Nutsedge)	(Cyperus rotundus)
Yellow Nutgrass (Nutsedge)	(Cyperus esculentus)

Existing stands of nutgrass must be turned under and chopped up thoroughly before treatment. Cultivation is suggested in addition to SUTAN - 6.7E/ATRAZINE treatment in fields with moderate or heavy nutgrass infestations.

DIRECTIONS FOR USE TANK MIXING DIRECTIONS

The SUTAN - 6.7E/ATRAZINE (80W or 4L) combination can be mixed with water and applied as a spray. With ATRAZINE 80W, mix the recommended amount of ATRAZINE in a

five gallon pail with sufficient water to make a slurry. Pour the slurry into a nearly filled spray tank while agitating. With ATRAZINE 4L, pour the recommended amount of ATRAZINE 4L directly into the nearly filled spray tank while agitating. In both cases, next add the recommended amount of SUTAN - 6.7E. Fill the remaining portion of the tank with water, mix thoroughly, maintain moderate agitation to provide a uniform mix during application. Do not use excessive agitation, as it may cause the ATRAZINE to settle out and set up in the spray tank. All return lines to the tank must discharge below liquid level.

For preplant uses the SUTAN - 6.7E/ATRAZINE (80W or 4L combination) also may be combined with fluid solution, slurry or suspension fertilizers. However, the physical compatibility with these fluid fertilizers must be determined before combining in the spray tank. Refer to the section appearing elsewhere on this label entitled SUTAN - 6.7E/ATRAZINE/FLUID FERTILIZER TANK MIX DIRECTIONS.

Dry bulk fertilizers (except single and treble superphosphate fertilizers) may be impregnated or coated with SUTAN - 6.7E/ATRAZINE 80W. However, uniform distribution of SUTAN - 6.7E/ATRAZINE 80W on fertilizer particles and uniform application are necessary to assure good results. See special literature giving information and directions for impregnation and use of 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 gallonage in arid areas) using a properly calibrated, low-pressure (20-40 psi), 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. Read directions on ATRAZINE label concerning nozzle and screen sizes.

The herbicides must be incorporated into the soil immediately after application to prevent loss of the SUTAN - 6.7E. Whenever possible, application and incorporation should be done in the same operation. Apply the herbicides to well-worked soil, dry enough to permit good soil mixing.

Soil mixing (incorporation) before planting: Incorporate using power driven cultivation equipment set to cut to a depth of 2 to 3 inches, or a tandem disc set to cut to a depth of 4 to 6 inches, operated at 4 to 6 mph, followed by a spiked tooth harrow or some other leveling device which extends beyond the ends of the disc. For thorough mixing, disc in two different directions (cross disc). Prior to the second discing adjust the disc to prevent cutting deeper than 4 to 6 inches.

CENTER PIVOT SPRINKLER APPLICATION (Limit use to Western Plains states only).

Apply SUTAN - 6.7E/ATRAZINE with irrigation water before planting (see PLANTING) or immediately after planting before either

TANK MIX DIRECTIONS - RECOMMENDATIONS

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 SUTAN - 6.7E/ATRAZINE into the irrigation water during the entire period. Apply in 1/2 to 3/4 inch of water. Good agitation of the pre-mixed SUTAN - 6.7E/ATRAZINE should be maintained during the entire application period. See Tank Mixing Directions for SUTAN - 6.7E with ATRAZINE.

PLANTING

Do not plant seed deeper than 2 inches. For a SUTAN - 6.7E/ATRAZINE application made before planting, seeding can be done immediately, or it may be delayed up to 2 weeks. To avoid removing SUTAN - 6.7E/ATRAZINE 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. Do not use on milo or sorghum. Do not use on corn seed stock.

RECOMMENDATIONS

NOTE: The SUTAN - 6.7E/ATRAZINE TANK MIX combination is not recommended on corn grown in Arizona or in the ten Southern California counties.

For all uses, cultivation is recommended in addition to the SUTAN - 6.7E/ATRAZINE treatment in fields with moderate to heavy infestations of wild cane nutgrass, sandbur, Johnsongrass seedlings or buffalograss (Texas Panicum).

Broadcast rates per acre (Conventional sprays

and center pivot sprinklers)

For control of annual grasses and broadleaf weeds: Use 3 3/4 to 4 3/4 pints SUTAN - 6.7E and 1 1/4 to 2 1/2 pounds of ATRAZINE 80W or 1 to 1 1/2 quarts ATRAZINE 4L per acre. Use the higher rate of SUTAN - 6.7E on medium (medium fine textured silt loam, clay loam, etc.) to heavy (fine textured clay) soils and for sandbur and Johnsongrass seedling control.

For control of wild cane, nutsedge (nutgrass) and buffalograss: (In addition to the broadcast rates of SUTAN - 6.7E and 1 1/4 to 2 1/2 pounds ATRAZINE 80W or 1 to 1 1/2 quarts ATRAZINE 4L per acre. Use the higher rates of SUTAN - 6.7E on medium (medium fine textured silt loam, clay loam, etc.) soils, heavy (fine textured clay) soils and for heavy infestations.

Johnsongrass: Using a program of plowing and discing followed by SUTAN - 6.7E and ATRAZINE will give good control of seedlings and greatly reduced 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 SUTAN - 6.7E will kill or weaken them.

Next, apply and incorporate SUTAN - 6.7E just before planting. At the rate of 4 3/4 pints plus 1 1/2 to 2 1/2 pounds of ATRAZINE 80W or 1 to 1 1/2 quarts of ATRAZINE 4L per acre. Use the higher rate of ATRAZINE on soils with over 5% organic matter.

4L per acre. Use the higher rates of SUTAN 6.7E on medium (medium fine textured silt loam, clay loam, etc.) soils, heavy (fine textured clay) soils, and rhizome Johnsongrass suppression and for heavy infestations. Disc a second time at right angles to the first. Cultivate at least once, preferably twice.

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 1/2 the depth the herbicide was incorporated.

TANK MIX DIRECTIONS
SUTAN - 6.7E which emulsifies directly in water and many fluid fertilizers can be pre-added and mixed with the ATRAZINE slurry. This premix disperses more uniformly with agitation into the spray tank. Do not use on corn.

TANK MIX PREPARATION

1. Prepare a premix in the corresponding proportions:
Add ATRAZINE 4L and ATRAZINE 80W to 100 parts water. For ATRAZINE 4L, 100 parts water in a pan and stir until the ATRAZINE product is dispersed and a smooth slurry is obtained. To this slurry, add the SUTAN - 6.7E and stir to produce a uniform 1:1:1 premix.
2. Immediately add the premix slowly to the fluid fertilizer while it is being thoroughly circulated and agitated by a mechanical or jet-type agitator. Agitate to obtain uniformity in the tank mixture. As return lines to the tank must discharge below the liquid level. Use only moderate agitation to prevent excessive flaming.
3. The tank mix should always be inspected before starting application to verify that agitating equipment is operating and for assurance that the mixture is uniform. **Continue moderate agitation to the field and during application.** If a tank mix application is delayed, it should be ascertained that the mixture is still uniform prior to completing application.

WEEDS CONTROLLED (Continued)

Bullgrass	(<i>Paspalum bosciianum</i>)
Crabgrass	(<i>Digitaria</i> spp.)
Fall Panicum	(<i>Panicum d-chotomiflorum</i>)
Field Sandbur	(<i>Cenchrus pauciflorus</i>)
Joint Foxtail	(<i>Setaria faberii</i>)
Green Grass	(<i>Eleusine indica</i>)
Green Foxtail	(<i>Setaria viridis</i>)
Indian Lovegrass	(<i>Eragrostis pilosa</i>)
Seedling	
Johnsongrass	(<i>Sorghum halepense</i>)
Junglerice	(<i>Echinochloa colonum</i>)
Stinkgrass	(<i>Eragrostis cilianensis</i>)
Texas Panicum	(<i>Panicum texanum</i>)
Buffalograss	(<i>Sorghum spp.</i>)
Volunteer Sorghum	
Wild Cane	(<i>Sorghum bicolor</i>)
(Shattercane)	
Wild Oat	(<i>Avena fatua</i>)
Witchgrass	(<i>Panicum capillare</i>)
Yellow Foxtail	(<i>Setaria glauca</i>)

*Cultivation is suggested in addition to the SUTAN - 6.7E/BLADEX treatment in fields with moderate to heavy infestations of wild cane, sandbur, Texas Panicum, or Johnsongrass seedlings.

DIRECTIONS FOR USE (Continued)

Smartweed	(<i>Polygonum pennsylvanicum</i>)
(Pennsylvanian)	
Spiny sida	(<i>Sida spinosa</i>)
Tarweed	(<i>Hemizonia congesta</i>)
Velvetleaf	(<i>Abutilon theophrasti</i>)
Wild Buckwheat	(<i>Polygonum convolvulus</i>)
Wild Mustard	(<i>Brassica kaberi</i>)
Wild Radish	(<i>Raphanus raphanistrum</i>)
Wild Turnip	(<i>Brassica campestris</i>)

PERENNIAL GRASSES:

Purple Nutgrass (Nutsedge)	(<i>Cyperus rotundus</i>)
Yellow Nutgrass (Nutsedge)	(<i>Cyperus esculentus</i>)

Existing stands of nutgrass must be turned under and chopped up thoroughly before treatment. Cultivation is suggested in addition to SUTAN - 6.7E/BLADEX treatment in fields with moderate or heavy nutgrass infestations.

DIRECTIONS FOR USE

TANK MIXING DIRECTIONS:

Be sure the sprayer tank, boom and nozzle have been thoroughly flushed with clean water. If another pesticide has been used previously, sufficient jet or mechanical agitation should be provided during the filling operation and during application. Fill the spray tank at least one-fourth full of clean water and while pump and agitator are running, add the recommended amount of BLADEX 80W or BLADEX 4 WDS herbicide to the tank. (BLADEX 80WP

RECOMMENDATIONS
Two different directions for use are given below with the tank mix application device which may be used with either the disc or the tandem disc. For the tandem disc, the disc should be operated at a depth of 2 to 3 inches. For the disc, the disc should be operated at a depth of 4 to 6 inches. For the disc, the disc should be operated at a depth of 2 to 3 inches. For the tandem disc, the disc should be operated at a depth of 4 to 6 inches.

RECOMMENDATIONS

For an added advantage, a liquid fertilizer can be added to the SUTAN - 6.7E/BLADEX combination in fields with moderate or heavy infestations of wild cane, sandbur, or Johnsongrass, seedling, or Texas Panicum.

BROADCAST RATES PER ACRE

For control of annual grasses and broadleaf weeds: Use 3 1/2 to 4 1/2 pints of SUTAN - 6.7E and 2 to 2 1/2 pints of BLADEX 80W or 4 pints BLADEX 4 WDS per acre. For a higher rate of SUTAN - 6.7E on heavy (medium fine textured silt loam, clay loam, etc.) to heavy (fine textured clay) soils, use 4 1/2 pints of SUTAN - 6.7E per acre.

For control of wild cane, nutsedge (nutgrass) and buffalograss (in addition to the broadleaf weeds and other annual grasses listed):

Use 4 1/2 pints of SUTAN - 6.7E and 2 pints of BLADEX 80W or 4 pints of BLADEX 4 WDS per acre. Use the lower rate of BLADEX 4 WDS herbicide to the tank. (BLADEX 80WP

SUTAN + 6.7E/ATRAZINE (80W or 4L)/FLUID FERTILIZER TANK MIX DIRECTIONS

GENERAL - For Fluid Fertilizers

The SUTAN - 6.7E/ATRAZINE (80W or 4L) combination 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 SUTAN - 6.7E/ATRAZINE evenly mixed with the fluid fertilizer during application.

If this compatibility is unknown, the fluid fertilizer should be tested in accordance with the "Procedure for Testing Compatibility of SUTAN - 6.7E/ATRAZINE (80W or 4L) Combination with Fluid Fertilizers" which can be obtained from your Stauffer dealer.

ATRAZINE 80W is a wettable powder and must be prepared before adding to the spray tank. ATRAZINE 4L is a liquid concentrated suspension and should also be premixed before adding to the spray tank. The 4L dilutes in water and in some nitrogen solution fertilizers.

If the fluid fertilizer is a nitrogen solution fertilizer and forms a smooth slurry with ATRAZINE 80W or 4L, it may be used in preparing the premix. Otherwise, always premix the 80W or 4L with water.

SUTAN + 6.7E/BLADEX COMBINATION

*BLADEX is the registered trademark of Shell Chemical Company

GENERAL INFORMATION

SUTAN - 6.7E may be used in combination with BLADEX 80W or BLADEX 4 WDS for weed control in corn. These combinations will control a broader spectrum of weeds than will either of the products used alone.

These combinations may be applied as a tank mix, preplant and soil-incorporated, or the BLADEX 80W or 4 WDS may be applied pre-emergence following a preplant and incorporated application of SUTAN - 6.7E.

IMPORTANT: Observe all cautions and limitations on the BLADEX 80W, BLADEX 4 WDS, and SUTAN - 6.7E labels.

- Make only one application per crop.
- Do not use on milo or sorghum. Do not use on corn seed stock.
- Do not contaminate water by cleaning of equipment or disposal of wastes.

WEEDS CONTROLLED BY SUTAN + 6.7E/BLADEX

ANNUAL GRASSES:

Annual Bluegrass	(<i>Poa annua</i>)
Annual Fescues	(<i>Festuca</i> spp.)
Annual Italian Ryegrass	(<i>Lolium multiflorum</i>)
Barnyardgrass	(<i>Echinochloa</i> spp.)
Seedling	
Bermudagrass	(<i>Cynodon dactylon</i>)

(Continued next page)

ANNUAL BROADLEAF WEEDS:

Annual Groundcherry	(<i>Physalis lanceifolia</i>)
Annual Morningglory	(<i>Ipomoea purpurea</i>)
Annual Sedge	(<i>Carex</i> spp.)
Black Mustard	(<i>Brassica nigra</i>)
Buffalograss	(<i>Solanum rostratum</i>)
Buttercup (Annual)	(<i>Ranunculus</i> spp.)
Carpetweed	(<i>Mollugo verticillata</i>)
Chenopodium	(<i>Xanthium pensylvanicum</i>)
Common Chickweed	(<i>Stellaria media</i>)
Common Groundsel	(<i>Senecio vulgaris</i>)
Common Mallow	(<i>Malva neglecta</i>)
Common Purslane	(<i>Portulaca oleracea</i>)
Corn Spurry	(<i>Spergula arvensis</i>)
Curly Dock	
(Seredana)	(<i>Rumex crispus</i>)
Florida Paintbrush	(<i>Emilia sagittata</i>)
Florida Pushy	(<i>Richardia scabra</i>)
Hedge Mustard	(<i>Sisymbrium officinale</i>)
Jimsonweed	(<i>Datura stramonium</i>)
Kochia	(<i>Kochia scoparia</i>)
Lambsquarters	(<i>Chenopodium album</i>)
Mayweed	(<i>Anthemis cotural</i>)
Redweed	(<i>Amaranthus</i> spp.)
Rimuliflowert	(<i>Matricaria matricaroides</i>)
Plantain	(<i>Pantago</i> spp.)
Ragwort	(<i>Diodes teres</i>)
Prostrate Knotweed	(<i>Polygonum aviculare</i>)
Prostrate Spurge	(<i>Euphorbia spina</i>)
Ragweed	(<i>Ambrosia</i> spp.)
Shepherdspurse	(<i>Capsella bursa-pastoris</i>)
Smallflower Galinsoga	(<i>Galinsoga parviflora</i>)

(Continued next page)

herbicide can be premixed as a slurry before adding to the tank.) Once the BLADEX herbicide is completely suspended in the water, add the recommended amount of SUTAN - 6.7E to the tank while filling with water to the desired level. Do not allow the mixture to stand in the spray tank without agitation. Allow the pump to run several minutes before application to insure proper suspension and mixing. The tank mix combination should not be left in the spray tank for prolonged periods; batches should be mixed and applied the same day.

APPLICATION AND INCORPORATION DIRECTIONS:

For a tank mix application, apply the recommended dosage (see recommendations) in 15 to 50 gallons of water per acre, use the higher gallonage in arid areas; using a properly calibrated low-pressure (20-40 psi) atom type sprayer having good agitation. Check frequently during application to be sure the nozzles are free from clogging and are delivering a uniform spray pattern. Read directions on the BLADEX 80W or BLADEX 4 WDS labels concerning nozzle and screen sizes.

The tank mix must be incorporated into the soil immediately after application to prevent loss of the SUTAN - 6.7E. Whenever possible, application and incorporation should be done in the same operation. Apply the herbicides to a field soil dry enough to permit good soil mixing. Incorporate using power-driven cultivation equipment set to cut to a depth of 2 to 3 inches, or a tandem disc set to cut to a depth of about 4 inches, operated at 4 to 6 mph. For thorough mixing, disc in

firm soils. Use the higher rate of SUTAN - 6.7E on heavy (fine textured silt loam, clay loam, etc.) to heavy (fine textured clay) soils.

The SUTAN - 6.7E/BLADEX combination may be applied either as a tank mix or preplant and soil-incorporated into the soil. For preplant and soil-incorporated application, apply the pre-emergence rate of BLADEX 80W or 4 WDS herbicide on top of a pre-plant application of SUTAN - 6.7E. A rotary hoe or similar implement is recommended for the pre-plant application. After the application of BLADEX 80W or 4 WDS herbicide, the soil should be worked to a depth of 2 to 3 inches.

PLANTING

Do not plant until the soil is free of weeds. A SUTAN - 6.7E/BLADEX combination should be applied before planting. Seedling emergence should be checked frequently. To avoid removal of the SUTAN - 6.7E/BLADEX combination from the row with the planter, it is recommended that the planter be set to plant at a depth of 2 to 3 inches. If the planter is set to plant at a depth of 4 to 6 inches, the SUTAN - 6.7E/BLADEX combination should be applied after the application of BLADEX 80W or 4 WDS herbicide.

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 1/2 the depth the herbicide was incorporated.

DIRECTIONS FOR USE

Annual grasses	
Smartweed	(<i>Polygonum pennsylvanicum</i>)
Spiny amaranth	(<i>Sida sp. nosa</i>)
Trifolium	(<i>Hemionia congesta</i>)
Wild radish	(<i>Raphanus raphanistrum</i>)
Wild buckwheat	(<i>Polygonum convolvulus</i>)
Wild Mustard	(<i>Brassica kaber</i>)
Wild Radish	(<i>Raphanus raphanistrum</i>)
Wild Turnip	(<i>Brassica campestris</i>)

PERENNIAL GRASSES:

Large Nutgrass	
Nutsedge	(<i>Cyperus rotundus</i>)
Small Nutgrass	
Nutsedge	(<i>Cyperus esculentus</i>)

Existing stands of nutgrass must be turned under and chopped up thoroughly before treatment. Cultivation is suggested in addition to SUTAN - 6.7E/BLADEX treatment in fields with moderate or heavy nutgrass infestations.

DIRECTIONS FOR USE

TANK MIXING DIRECTIONS:

Be sure the sprayer tank, boom and nozzle have been thoroughly flushed with clean water if another pesticide has been used previously.

Sufficient air mechanical agitation should be provided during the mixing operation and the agitator should be run for the spray tank at least 10 minutes before water and while pump and sprayer are running. Add the recommended amount of BLADEX 80W or BLADEX 4 WDS first to the tank. (BLADEX 80WP

is not to be premixed as a slurry before adding to the tank. Once the BLADEX 80W or 4 WDS is completely suspended in the tank, add the recommended amount of SUTAN - 6.7E to the tank while filling with water to the correct level. Do not allow the agitator to stop in the spray tank without water. After the pump is run several minutes, stop the agitator to insure proper suspension of the tank mix. Insufficient agitation may result in the spray tank for pre-mixing. The agitator should be run and agitated the remainder of the day.

APPLICATION AND INCORPORATION DIRECTIONS:

For tank mix application, apply the recommended rate (see recommendations) in 10 to 20 gallons of water per acre (use the recommended rate and areas) using a properly calibrated low-pressure (20-40 psi) sprayer or sprayer having good agitation. The nozzle during application to be used should be free from clogging and should provide a uniform spray pattern. Read the label on the BLADEX 80W or BLADEX 4 WDS for nozzle, screening nozzle and screen sizes.

The tank mix must be incorporated into the soil immediately after application to prevent loss of the SUTAN - 6.7E. Whenever possible, application and incorporation should be done in the same operation. Apply the herbicides to worked soil, dry enough to permit good soil mixing. Incorporate using power-driven cultivation equipment set to cut to a depth of 2 to 3 inches, or a tandem disc set to cut to a depth of about 4 inches, operated at 4 to 6 mph. For thorough mixing, disc in

RECOMMENDATIONS

two different directions (cross disc), and follow with a harrow, drag or other leveling device which extends beyond the ends of the disc. Prior to the second discing readjust the disc to prevent cutting deeper than 4 inches.

For sequential application of SUTAN - 6.7E preplant incorporated, followed by BLADEX 80W or BLADEX 4 WDS pre-emergence, consult the appropriate application directions on the respective product labels. Follow the dosage recommendations given below.

RECOMMENDATIONS

For all uses, cultivation is recommended in addition to the SUTAN - 6.7E/BLADEX treatment in fields with moderate to heavy infestations of wild cane, nutgrass, sandbur, Johnsongrass seedlings or buffalograss (Texas Panicum).

BROADCAST RATES PER ACRE

For control of annual grasses and broadleaf weeds: Use 3 3/4 to 4 3/4 pints of SUTAN - 6.7E and 2 to 2 1/2 pounds of BLADEX* 80W or 3 to 4 pints BLADEX* 4 WDS per acre. Use the higher rate of SUTAN - 6.7E on medium (medium fine textured silt loam, clay loam, etc.) to heavy (fine textured clay) soils and for field sandbur control.

For control of wild cane, nutsedge (nutgrass) and buffalograss (in addition to the broadleaf weeds and other annual grasses listed): Use 4 3/4 pints of SUTAN - 6.7E and 2 to 2 1/2 pounds of BLADEX* 80W or 3 to 4 pints BLADEX* 4 WDS per acre.

*Use the lower rate of BLADEX on sand or

loam soils. Use the higher rate of BLADEX on heavy (fine textured clay) soils with 3% organic matter and above.

The SUTAN - 6.7E/BLADEX can be applied either as a tank mix combination and incorporated into the soil, or apply SUTAN - 6.7E preplant incorporated, followed by BLADEX pre-emergence. If BLADEX is surface-applied on top of a preplant application of SUTAN - 6.7E, a rotary hoeing or shallow cultivation is recommended if rainfall or sprinkler irrigation has not occurred within about 10 days after the application of BLADEX.

PLANTING

Do not plant seed deeper than 2 inches to a SUTAN - 6.7E/BLADEX application made before planting. Seeding can be done immediately or it may be delayed up to 2 weeks. To avoid removing SUTAN - 6.7E/BLADEX 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, it should be shallow, i.e., no more than 1/2 the depth the herbicide was incorporated.

CULTURAL PRACTICES FOLLOWING APPLICATION

Should weeds develop, a shallow cultivation or rotary hoeing will generally result in better

RECOMMENDATIONS

weed control. When cultivating for any reason, it should be shallow, i.e., no more than 1/2 the depth the herbicide was incorporated.

EPA Reg. No. 476-2156-AA A-3

DISPOSAL:
RINSE SPRAY EQUIPMENT AND EMPTY CONTAINER. DO NOT RE-USE CONTAINER. PERFORATE, CRUSH AND BURY WITH LIQUID WASTE IN ISOLATED AREA AWAY FROM WATER SUPPLIES. DO NOT CONTAMINATE WATER BY CLEANING OF EQUIPMENT OR DISPOSAL OF WASTES.



These products are registered with the Federal Government of Stauffer Chemical Company.

Aspon	Eradicane	Prefer
Betasan	Folpet	Ro-Neet
Captan	Imidan	Tillam
Devrinol	Knoxweed	Trithion
Dyonale	Ordram	Vapan
Eplam	Parathion	Vernam
Methyl Parathion		

Sutan +
 6.7E selective herbicide for corn (fruit, sweet and silage)

Complete Instructions For Use
 Use Precautions and Precautionary Statements

STAUFFER CHEMICAL COMPANY, Westport, N.J. 08091
 Stauffer Chemicals

