DATE OF ISSUANCE US ENVIRONMENTAL PROTECTION AGENCY JUN 13 1986 <u> 10153-1</u>01 OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (15-767) TERM OF ISSUANCE WASHINGTON, DC 20460 Conditional
NAME OF PESTICIDE PRODUCT NOTICE OF PESTICIDE: REGISTRATION REREGISTRATION Gowan Tricluralin 4 (Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended) NAME AND ADDRESS OF REGISTRANT (Include ZIP code) 7 Gowan Company P.O. BOX 5696 Yuma, AZ 85364 NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number. On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act. A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith. Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others. This product is conditionally registered in accordance with FYFPA section 3(c)(7)(/) provided that veg: Submit and/or cite all data required for registration/reregistration or your product unass FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data. Make the labeling changes listed below become you release the product ror shipment: a. Add the phrase "EPA Pogistration No. 10163-101." h. Add the statement - Contains petroleum distillate - to the label in preximity to the ingredient statement. c. Check your label decage rates carefully. You have used rates for the 5 lb/gailon product at leveral places, including soybeans rhizome johnsongrass and wild came: sugarcane - itchgrass and under winter wheat. 3. The maximum total nitrosamine content permitted for this product is 0.445 pym. Submit a corrected formula statement. We have completed evaluation of your additional nitrosamine data submitted January 20. These

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data are adequate and support the above maximum content.

ATTACHMENT IS APPLICABLE SIGNATURE OF APPROVING OFFICIAL 4. Submit one (1) copy of your final printed labeling before you release the product for shipment. Refer to the A-79 Enclosure for a further description of final printed labeling.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIPRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

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

Richard F. Mountfort Product Hanager (23)
Fungicide-Herbicide Branch
Registration Division (TS-767C)

Enclosures

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS WARNING

Causes substantial but temporary eye injury. Do not get in eyes or on clothing. Wear safety glasses when handling. Wash thoroughly with soap and water after handling. Harmful if swallowed, absorbed through skin, or inhaled. Avoid breathing spray mist. Remove contaminated clothing and wash before reuse.

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.

ENVIRONMENTAL HAZARDS

Do not apply directly to any body of water. Direct contamination of any body of water with this product may kill fish and other aquatic organisms. Do not contaminate any body of water by direct application, cleaning of equipment or disposal of wastes.

PHYSICAL OR CHEMICAL HAZARD

Do not use or store near heat or open flame.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this produce of manner inconsistent with its labeling.

RE-ENTRY STATEMENTS

Do not enter treated areas without protective clothing until sprays have dried. Because certain states may require more restrictive re-entry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. Written and oral warnings must be given if there is reason to believe that written warnings must be given if there is reason to believe that written warnings must be given if there is reason to believe that written warnings must be given if there is reason to believe that written warnings must be given if there is reason to believe that written warnings must be given if there is reason to believe that written warnings must be given if there is reason to believe that written warnings must be given if there is reason to believe that written warnings must be given if there is reason to believe that written warnings must be given if there is reason to believe that written warnings must be given if there is reason to believe that written warnings must be given if there is reason to believe that written warnings must be given if there is reason to believe that written warnings must be given if there is reason to believe that written warnings must be given if there is reason to believe that written warnings must be given if there is reason to believe that written warnings must be given if there is reason to believe that written warnings must be given if there is reason to believe that written warnings must be given if there is reason to believe that written warnings must be given if there is reason to be written.

GOWAN TRIFLURI

Herbicid

Contains 4 lbs. Trifluralin per g

WARNING WARNING

Precaucion al usario: si usted no producto hasta que la etiqueta hay

Amente.

STATEMENT OF PRACTIC

JAOSWALLOWED, call a physician or

1 or 2 glasses of water and induce
of throat with finger, or, if ava-

of ipecac. Do not induce vomiting to an unconscious person. IF INHALED, remove victim to fresh

piration if indicated. IF IN EYES, flush eyes with plent 15 minutes. Get medical attentio IF ON SKIN, wash with soap and wa

NET CONTENTS

? Petroleum Distilulés GOWAN COM Agricultural C

EPA Reg. No. EPA Est. No. STORAGE AND DISPOSAL

40F16

DO NOT contaminate water, food, or feed by storage or disposal. STORAGE: Avoid freezing. Store above 40 F. If frozen, poor weed control may result. Do not store near heat or flame. PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

CROP USE DIRECTIONS

See directions for use inside booklet.

NOTICE ON CONDITIONS OF SALE

Our recommendations for use of this product are based upon tests believed to be reliable. The use of this product being beyond the control of the manufacturer, no guarantee, expressed or implied, is made as to the effects of such or the results to be obtained if not used in accordance with directions or established safe practice. The buyer must assume all responsibility, including injury or damage, resulting from its misuse as such, or in combination with other materials.

(Large crabgrass) . (Smooth crabgrass) . Foxt8fl*** (Setaria spp.) (Nortlegrass) (Bristlegrass) (Giant Toxtail). .. (Green Coxteif) . Trougath millet) (Pigeongrass) (Robust foxtail) (Yellow foxtail) (Eleusine indica) Goosegrass (Silver crabgrass) (Silvergrass) (Wiregrass) (Yardgrass) Johnsongrass (from seed) (Sorghum halepense) (Rhizone - see cotton and soybean sections for special instructions (Echinochlos colonum) Junglerice Panicum (Panicum dichotomiflorum) Fall panicum (Spreading panicgrass - see cotton and soybean sections for special instructions) (Panicum maximum) (See sugarcane section for special instructions) Texas panicum (Panicum texanum) (Buffalograss) (Coloradograss) Itchgrass (Rottboellis exaltata) (Raoulgrass) (See augarcane section for special instructions) (Oryza sativa) (See soybean section for suppression or partial control directions) (Cenchrus incertus) Sandbur (Burgrass) (Leptochlos filiformis) Sprangletop Stinkerass (Eragrostis cilismensis) (Lovegrass) Wild cane (Sorghum bicolor) (Shattercane) (See moybean section for special instructions) (Avena fatua) Wild oat (Preplant only. Not for fall applications for spring seeded (cereals) Woolly cupgrass (Eriochlos villoss) BROADLEAF WEEDS Carpetueed (Mollugo verticillata) Chickveed (Stellaria media) Field bindweed (Convolvulus arvensis) (See fruit and nut crops and vineyards section for special instructions) Florida pusley (Richardia scabrs) (Florids purslane) (Maxican clover) (Pusley) (Chenopodium hybridum) Goosefoot Membit (fall application only) (Lanium amplexicaule) Knotveed (Polygonum aviculare) Kochia (Kochia scoparia) (Fireweed) (Mexican fireveed) Lambaquarters (Chenopodium album) Piguerd (Amaranthus app.) (Carelessveed) (Prostrate pigweed) (Redroot) (Rough pigweed) (Spiny pigueed) Puncturevine (Western U.S. only) (Tribulus terrestris) (Caltrop) (Gosthend) Pursiane (Portulace olevaces) Russian thistle (Salsola kal (Tumbleweed) Stinging nettle (Urtica dioica) (Nettle)

recommendations. Do not exceed recommended rates.

Soil Texture Soil Classification

Coarse Soils: Sand, loamy sand, sandy loam (Light)

Fine Soils:

Hedium Soils: Loam, silty clay loam*, silt loam, silt, sandy clay loam*

Clay, clay loam, silty clay loam*, silty clay, sandy clay, sandy clay loam*

*Silty clay loam and sandy clay loam soils are transitional soils and may be classified as either medium or fine textured soils. 1. silty clay loam or sandy clay loam soils are predominately sand or silt, they are usually classified as medium textured soils. If they are predominately clay, they are usually classified as fine textured soils.

MIXING AND APPLICATION DIRECTIONS

Govan Trifluralin Alone in Water Start with a clean spray tank. Fill sprayer 1/3 to 1/2 full with clean water. Start agitation. Add correct quantity of Govan Trifluralin, continue agitation and finish filling tank.

Govan Trifluralin Tank Hix in Water Vigorous, continuous agitation is required for all tank mixes. (Sparger pipe agitators generally provide the best agitation in spray tanks). Avoid stirring or splashing air into the pixture during filling to prevent fosping. To do this, place the end of the fill pipe below the surface of the water in the spray tank. Do not allow the mixture to siphon back into the water source. Mixing order: Fill the tank 1/4 to 1/3 full with clean water. Start the agitation. Add dry flowables, wettable powders (WP), aqueous suspensions (AS), flowables (F), and liquids (L) to the water and agitate until the product(s) are completely dispersed in the water. Allow additional mixing and dispersion time when using dry flowable products. Continue agitation and fill tank to 3/4 full, add the Gowan Trifluralin, mix thoroughly. Then add any solution (S) formulations, agitate and finish filling. Maintain agitation during filling and through application. If spraying and agitation must be stopped before the tank is empty, the materials may settle to the bottom. In this case, it is important to resuspend all of the material in the bottom of the tank before continuing the spray application. A sparger agitator is particularly useful for this purpose. Sometimes it is more difficult to resuspend settled material than it is to suspend it originally.

Read and carefully follow all label at tructions for each material added to the tank. Premixing dry and f. wable formulations with water (slurrying) and pouring the slurry through a 20 or 35 mech wetting screen in the top of the tank will help assure good initial dispersion in the tank water. Line screens in the tank should be no finer than 50 mesh (100 mesh is finer than 50 mesh).

If you see a buildup of naterial on the walls of the apray tank, wash the tank with soapy water between fillings. Rinse and continue the spraying operation. Clean the tank, lines, and screens thoroughly after use.

As the apray volume decreases, the importance of accurate calibration and uniform application increases. Check the aprayer daily to insure proper calibration and uniform application. Do not apply Govan Trifluralin when the wind can cause drifting of apray particles which can result in non-uniform application. Govan Trifluralin should not be applied to soils which are wet or are subject to prolonged periods of flooding as poor weed control may result.

Ground application: Apply Gowan Trifluralin in 5 to 40 gallons of water or liquid fertilizer per acre (broadcast basis), using any properly calibrated, low pressure herbicide sprayer that will apply the spray uniformly.

Aerial application: Apply Gowan Trifluralin in 5 to 10 gallons of water or liquid fertilizer per acre. Adjust pump pressure, nozzle arrangements, speed and height to provide a uniform application to the soil surface. Use swath markers or flagmen to assure proper application spray widths.

Imcorporation Equipment-General Directions

time incorporation equipment that mixes Goven Trifluralin into the top 2 to 3 inches of the finol seedbed, or erratic weed control and/ or crop injury may result. Incorporation equipment such as a disc w321 mix approximately half as deep as the equipment is set to operate. For example, a disc set to cut 4 inches deep will incorporate most of the Govan Trifluralin within the top 2 inches of soil.

Incorporation Before Planting

Gowan Trifluralin must be incorporated one time within 24 hours after application. Then any time prior to planting, a second incorporation is necessary, this time running the equipment in a different direction from the first You should incorporate the Gowan Trifluralin uniformly into the top 2 to 3 inches of the final seedbed.

Incorpliation After Plenting

Check specific crop for incorporation directions after planting.

Incorporation in Bedded Culture

For effective weed control, Govan Trifluralin needs to be incorporated into the top 2 Cf 3 inches of the final seedbed

Application prior to bedding: Apply Gowan Trifluralin and incorporate it one lime with recommended equipment. The bedding operation serves as the second incorporation. Do not expose untreated soil during post-bedding operations.*
Application after ladding: Knock off beds to planting height before

applying Gowan Trifluralin. 'sply and incorporate it with recommental equipment that will conform to the bed shape. Do not leave Ereated soil exposed.*

*Avoid removal of untreated soil from the seedbed before or during the planting operation. This would expose untreated soil, allowing weeds to germinate in the drill row.

Recommended Equipment

Any recommended incorporation tool may be used sione or in combination with any other recommended tool. Two incorporation passes are required unless specifically stated. The second incorporation should ; not be deeper than the first.

Disc: Set to cut 4 to 6 inches deep and operate at 4 to 6 mph. Field Cultivator: set to cut 3 to 4 inches deep and operate at 5 mph or more. A field cultivator is defined as an implement with 3 to 4 rows of sweeps, spaced at intervals of 7 inches or less and staggered so that no soil is left unturned. Chisel points should not be used.

Combination Seedhed Conditioners: set to cut 3 to 4 inches deep and operate at a speed of at least 5 mph. These implements are defined as three or more tillage devices combined and used as a single tool. For example, 2 to 3 rous of field cultivator C- or S- shaped shanks with an effective sweep spacing of 6 to 9 inches (staggered so that no soil is left unturned), followed by a spike-tooth or flextine harrow, followed by a ground-driven reel or basket. Gowan Trifluralin can be incorporated with one pass when using combination seedbed conditioners when soil conditions allow for optimum mixing of soil. Soil conditions such as excessive trash, roughness, cloddinews, moisture extremes, or high clay content which prevent optimum soil mixing action will require two incorporations. Rolling Cultivator: set to cut 2 to 4 inches deep and operate at

6 to 8 mph. Rolling cultivators are adequate for use on coarse and sedium textured soils only, except when used in sugarcane where the rolling cultivator may be used on fine textured soils.

Bed Conditioner (Do-All): set to cut 2 to 4 inches deep and operate at 4 to 6 mph. The do-all is adequate for use on coarse and medium textured soils only. When using the do-all in bedded culture, only one incorporation pass is required. However, two passes with a doall are required in flat planted culture.

Hulch Treader (other similar disc-type implements): set to cut 3 to

4 imches deep and operate at 5 to 8 mph.

P.T.O. Driven Equipment (tillers, cultivators, hoes); adjust to incorporate into the top 2 to 3 inches of the seedbed with rotors spaced to provide a clean succe of the soil. Only one incorporation is mecessary. P.T.O. driven equipment should not be operated at a speed greater than 4 mph.

Other equipment, including the flexible tine-tooth harrow (Flextine, Helmoe), is also recommended but only for the special progrems for

which it is specified in this label.

CULTIVATION AFTER PLANTING

Soil treated Govan Trifluralin may be shallow cultivated without reducing the product's weed control activity. Do not cultivate deeper than the treated soil since this may bring untreated soil to the surface, and poor weed control may result.

FALL APPLICATION

Gemeral: (Areas receiving more than 20" average annual rainfall) See specific crop for recommendations. For all crops for which there are no specific fall application instructions and for which Comen Trifluralin is recommended as a presence application. use the rates listed for spring applications. Do not apply Govan Traffluralin in the fall for sugarhests, potatoes, and directsceded tonatoes.

In most states apply and incorporate Goven Trifluralin any time between October 15 and December 31. In Minnesota, Hontana, North and South Dakota, and California, apply and incorporate anytime between September 1 and December 31. Ground may be left flat or bedd up over winter. On bedded ground, knock by down to desired hefight before planting, moving some treated soil a beds into furrows. Where soil is left over winter, be coreful not to turn up untrested soil during spring bedding operations. Destroy established furrows due to uncovering of untreated soil during hedding, destroy these weeds before planting. Do not apply in the fall to soils which are wet, are subject to prolonged periods of flooding or where rice was grown the previous year.

CKOP RECOMMENDATIONS

These recommendations are given as the broadcast rates of Gowan Trifluralin per acre. For band applications, decrease the amount in proportion to the amount of stuface treated per acre. Apply any time after January 1 when the soil can be worked and is suitable for good incorporation. Goven Trifluralin can be applied in the fall - see above paragraph and specific crops for recommendations. Where a rate range is shown, use the lower rate for coarser soils or soils with lower organic matter. Govan Trifluralin should not be used on soils containing more than 10% organic matter.

COTTON - GOWAN TRIFLURALIN ALONE

Govan Trifluralin can be applied and incroporated before or at planting, immediately after planting, and from four true leaf stage to layby.

COTTON - Preemergence: Broadcast Rates Per Acre

Soil Texture	Areas receiving less than 20" average annual rainfall*	Areas receiving greater than 20' average annual rainfall*
	(pints)	(pints)
Coarse		t _i
Kedium	۱۶۸ – ۱۶ ^۸ ۶	1 1/2
Fine	144'- 125 173	آج

*Use 1.2 pints per acre one coarse and medium soils and 1.6 pints on fine soils with 2-5% organic matter: use 1.6 to 2 pints on all soils with 5-107 organic matter.

Incorporation with Bedding Implements

Bedding implements (listers and hippers) may be used to incorporate Govan Trifluralin into the soil for weed control in cotton. Since bedding equipment does not provide thorough incorporation under all conditions, it is important to closely follow the directions below to optimize weed control performance. Weed control resulting from single pass incorporation with bedding implements will be reduced compared to conventional double pass incorporation. Apply the angunt of Govan Trifluralin recommended in the label.

Soil Preparation: See general soil preparation Bedder Use Directions: Either a lister or disk bedder may be used. Operate the bedder in the manner recommended by the equipment manufacturer in order to bed to the desire height. A ripper shank, sweep or chisel shank should be mounted on the bedder behind the spray nozzles and shead of the bedder tool to help distribute Govan Trifluralin in the center of the bed. The use of bed tillage equipment such as rolling cultivators, P.T.O. driven rod weeders or bed conditioners after the bedding operation will provide additional mixing

of the soil. Weather conditions, cultural practices, bed tillage and planting procedures will determine location of the Govan Trifluralin in the soil. Reed control obtained will be dependent upon location of the Govan Trifluralin at the time of planting.

If Gowan Trifluralin is moved during bed tillage or planting, a band application of Gowan Trifluralin at planting or a postemergence application of Gowan Trifluralin may be required to ensure good weed

Precautions: Do not incorporate with the bedder if the soil is too wet for good mixing.

COTTON - Postplant: When incorporating Govan Trifluralin after planting (postplant), be careful not to disturb the seed.

COTTON - Postemergence:

Directions for Use

Gousn Trifluralin can be used as a post emergence soil incorporated application in cotton. Goven Trifluralin may be applied after final bed preparation any time from the four true leaf stage up to layby. but not less than 90 days before hervest.

Application Directions

Govan Trifluralin may be applied to cotton from the four true leaf stage as either a broadcast application or as a post directed apray. Drop nozzles should be used if cotton foliage prevents uniform coverage of the soil surface. Refer to the Gowan Trifluralin label for ground and aerial application directions.

Application Rs es Apply Govan Trifluralin to cotton at the following broadcast rates per acre:

Govan Trifluralin 5 Soil Texture pints_ 3/4 - I Coorse 1-1/2 **Medium**

Incorporation Directions ---Final beds should be established before the Gowan Trifluralin applycation is made. The mil surface should be free of existing weeds and excessive trac closs. Govern Trifluralin should be incorpoclods. Gowan Trifluralin should be incorporated within 24 hours following application and may be accomplished

In one pass with a very regret a rolling cultivator. The sweep repe cultivator should have 3 to 5 aveeps per too middle and be esperated at 6 to 8 mph. Set averps to provide maximum soil mixture and to insure movement of treated soil into the crop row. One pass with the sweep cultivator properly set will provide adequate soil Sucorporation. The rolling cultivator should be set to provide maxfaun not! mixing and to insure movement of treated soil into the erop row. The rolling cultivator should be operated at 6 to 8 mph. Care should be taken to insure that middle sweeps do not expose watrested soil. One pass with the rolling cultivator properly set will provide adequate incorporation.

Retational Crops Wheat or parley can be planted in the fall following this applica-tion at recommended rates.

Special Executions

Do not apply to cotton before the four true less stage or crop injuly say result. ...

Soil-treated with Govan Trifluralin may be shallow cultivated,

retiry ford, or hand heed without reducing the weed control acti-wity of the producte to not cultivate descent wity of the products to not cultivate deeper than the treated layer of soil (I to 2 inches) since this may bring untreated soil to the surfacesard poor weed control may result.

COTTON - Fall Application:

Apply and incorporate Govan Trifluralin any time between October 15 and December 31. The ground may be left flat or bedded-up over winter. On bedded ground, knoch beds down to desire height before planting, goving spin steated soil from beds into furrous. Where noil de dest flat over winter, be careful not to turn up untreated aoil during spring bedding operations. Destroy established weeds during seedbed preparation. If weeds become established in furrous due to uncovering of untreated soil during bedding, destroy these weeds before planting. In the fall, do not apply Govan Trifluralin to soils which are wet or subject to prolonged periods of flooding. Broadcast Rates Per Acre - Fall Application Only In Alabama, Arkansas, northern Florida, Georgia, Louisiana, Missisaippi, southeastern Hissouri bootheel, North Carolina, New Hexico, Okimhoms, South Carolina, Tennessee and Texas, apply and incorporate at a broadcast rate of pints per acre on coarse and medium and

at a broadcast rate of pints per acre on coarse and medium and pints on fine soils.

In Arizona, California, and Nevada, apply and incorporate Govan Trifluratin at a broadcast rate of \{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{\forall}\{

COTTON - SPECIAL USE DIRECTIONS

COTTON - Fall panicum:

Apply and incorporate Govan Trifluralin at the broadcast rate of 2. pints per acre on both coarse and medium soils.

COTTON - Rhizome juhnsongrass:

In all cotton-porducing states except Arizona and California, you can obtain commercially acceptable control of rhizone johnsongrass

with a double rate program which you apply for 2 consecutive years in accordance with the following directions. Soil Preparation - Proper preparation of the soil before application is wery important for satisfactory results. Use a chisel plou or similar implement to bring thizomes to the top of the soil. Then

follow with a disc two times before application to cut the rhizomes into small (2 to 3 inch) pieces. This should also destroy any emerged johnsongrass. Application - Choose the one application program that best fits

your cultural practices: Spring Application - Apply Govan Trifluralin any time before planting in the spring for 2 years in a row. Use a broadcast mate of 2- pints per scre on coarse soils; 3 pints on medium soils; and 4 pints on fine soils, OR

Fall Application - Apply Govan Trifluralin between October 15 and December 31 for 2 years in a row at the same rates as a spring application for the control of rhizone johnsongrass. Incorporation - Deep incorporation is essential for good rhizome johnzon grass control. Incorporate Govan Trifluralin thoroughly with a disc set to cut 4 to 6 inches deep and operate at 4 to 6 mph. Two passes are necessary, with the second pass in a different from the first.

Cultivation - Some johnsongrass plants will escape. Timely cultivations during the crop season to remove escaped plants are necessary to abtain commercially acceptable control. You cannot obtain commercially acceptable control with only I year of double rate use. Crop Rotation - In the season following a double rate treatment, plant only rice and those crops for which Govan Trifluralin can be applied as a preplant treatment or injury may result.

COTTON - Pig weed and seedling johnsongrass control: In Alabama, Arkansas, Florida, Georgia, Louisiana, Hississippi, southeastern Viscouri, North Carolins, South Carolina, Tennessee, and southern Virginia, Gowen Trifluralin may be applied preplant at a broadcast rate of 1. to 1/4 pints per scre on coarse soils; 1/2 to 2 pints on medium soils; and 3 pints on fine soils. In the state of Louisians, 3 pints per scre are recommended on fine soils.

COTTON - Additional weed and grass control (Texas In the Texas Gulf Coast counties of Brazoria, Cal. i, Chambers, Fort Bend, Galveston, Harris, Jackson, Jefferson, Liberty, Hatagorde, Orange, Victoria, Waller and Miayton, Govan Trifluralin

of 1/2 pints per acre on coarse soils, 2 pints on medium soils, and 3 pints on fine soils. pay be applied up to 7 verse betole brancist

COTTON Precautions: Cotton should be planted after sarly season adverse weather conditions have passed, especially when using higher rate programs. Cool, wet weather early in the growth cycle causes additional stress to the cotton plant. This may result in reduced stands, delayed maturity, and reduced yields.

COTTON - TANK HIXES AND OVERLAYS

Follow recommended soil preparation and incorporation procedures for Cowan Trifluralin.

COTTON - Govan Trifluralin/Zorial Tank Mix

A tank mix combination of Gowan Trifluralin and Zorial is recommended as a preplant soil incorporated treatment for broad spectrum control of grass and broadleaf weeds in cotton, Govan Trifluralin/ Zorial may also be tank mixed and incorporated using one-half the recommended rate of Zorial with the remaining one-half rate of Zorial surface applied after planting. Gowan Triflurslin/Zorial will effectively control suppress the following weeds in addition to those controlled by Govan Trifluralin alone:

Control

Cocklebur* Sickle pod Spotted sputse Horningglory* Spurred anoda Pennsylvania smartweed Velvetlesi Prickly side

Suppression

Morningglory Rernudagrass Johnsongrass (rhizome) Nutsedge Ragueed Cocklebur Other smattweeds Hemp sesbanis

*Controlled by Zorial split application only.

Application Follow soil preparation procedures normally used with Gowan Trifluralin. The tank mix of Goven Trifluralin/Zorial may be applied up to 30 days before planting using any properly calibrated, low pressure herbicide aprayer that will apply the apray uniformly. Fill the spray tank three-fourths full with clean water and start agitation. Premix the required amount of Zorial with a small amount of water and add to the spray tank. Continue agitation and add the required amount of Gowan Trifluralin to the spray tank. Agitate continuously during filling and throughout the spraying operation. Agitation, such as a sparger system, should be used to sweep bottom contents of the tank up into the main body of the spray mixture for thorough mixing and uniform suspension. If a bypass line is used, discharge at the botton of the tank to minimize forming-Apply in from 10-20 gallons of water per acre with a sprayer equipped with herbicide tips and screens sized 50 mesh or larger. Do not allow the spray mixture to remain in the tank overnight as settling could occur and resuspension would be difficult.

Apply Govan Trifluralin/Zorial at the following broadcast rates

	Govan Trifluralin 🖫	Zorial 80 WP**
Soil Texture	pints per acre	lbs. per acre
Coarse	A_{ν}	1.25
Hedium	1 1/2	1.9
Fine	2	2.5

**Split application - Apply and incorporate the full rate of Gowan Trifluralin with half the recommended rate of Zorial. Surface apply the remaining hulf-rate of Zorial presmergence.

Incorporation Directions

Incorporate Goven Trifluralin plus Zorial one time within 24 hours after application. A second incorporation is required with most

equipment. Consult the complete label for Govan Trifluralin for remendations regarding specific incorporation tools. Refer to the Zor label for all cautions, precautions, etc. regarding use of the pro-

COTTON - Grean Trifluralin/Caparol tank mix for cotton grown in California, Arizona, Neu Hexico and west Texas: The Goven Triflurslin/Caparol combination will control certain gra and broadleaf weeds listed for Govan Trifluralin alone plus the fo

lowing weeds: Groundcherry (Annual) Smartweed Prickly sida (Teaveed) Hustard Helva Annual morningglory

Wild Oat Reguced The tank mix also controls shallow germinating seadlings of cockle bur and coffeeweed.

Broadcast Rates Per Acre

Soil Texture	Goven Trifluralin	Caparol BOH (pounds)
	(pintm)	
Coarse	11 <i>i</i> . ¹ 11	24
Kedium	1/4-1/2	2½
Fine	う -	24

*Do not use on sands and loamy sands. For band applications use pr portionately less.

Mixing Directions: efully follow the procedures on the Caparol 80W label for mixing a slurry and adding it to a partially filled tank of water. After the Caparol is thoroughly mixed with the parrially filled tank of water, add the board Diffuratio and continue filling. Agitate continuously during the filling and spraying operation.

Avoid leaving the apray mixture in the tank without constant agitation. If bypara agitation is used, the bypass line should stop at the bottom of the tank to mininize foaming.

Additional Precautions: The combination of Govan Trifluralin/ Caparol should not be used in the cut areas of newly leveled fields, in areas of excess salt, or where flooding over the beds is likely to happen. Do mot plant cotton in tractor wheel depressions. These conditions may cause crop injury. On mulch-planted cotton, water back only after cotton seedlings are well established.

Crop Rotations: Cabuse, okra, onions and peas may be planted in the fall after a spring application of Govan Trifluralin plus Caparol. dinter boulog, winter aye and winter wheat can be planted in the fall also, if they are plowed down and not used for food or feed. Refer to the Caparol label for directions, cautions and precautions.

COTTON - Goven Triffuralin/Cotoran tank mix (except in Arizons and California):

follow, technicuted coil preparation and incorporation procedures for Bowan Triduralin.

The Goven Trifluralin/Coforan tank mix effectively controls all the annual grasses and broadless weeds listed for Goven Trisluralin alone

plus these additional weeds: Ryegrass . Prickly side (Teaveed)

But tonveed Cock lebur Ragueed Sesbania Groundcherry, Wright S1cklepod Jimsonveed Smartured Morningglery Tumbleveed

Broadcast Rates Per Acre

Sail Texture	Countrillered (aintq)	(pounds)	
Coarse	11/2	1 1/4 2	
riedium Fine	a.	2/2	

Mixing Directions: Carefully follow the procedures on the Cotoran label for making a Cotoran slurry and adding it to a partially filled tank of water. After the Cotoran is thoroughly mixed with the partially filled tank of water, add the Gowan Trifluralin and continue filling. Agitate continuously throughout the filling and application operations. Do not leave spray mixture in tank without constant agitation. If bypass agitation is used, the bypass line should stop at the bottom of the tank to minimize foaming. Apply in 15 - 40 gallons of water per acre.

Additional Precautions: Do not plant crops other than cotton on the treated land within 6 months after the application of Govan Trifluralim plus Cotoran, or crop injury may reslut. Do not feed foliage from treated cotton plants or gin tresh to livestock. Do not mix Govam Trifluralin plus Cotoran with liquid fertilizer. West Texas Only: Do not use the tank mix of Govan Trifluralin plus Cotoren on sandy, losmy sand or fine sandy losm soils. Do not use

on cotton planted in furrows. Arkamsas, Louisiana, and Mississippi Only: Use 1 pound Cotoran 80% in tank mix with Goven Trifluralin on sandy loam soils low in organic matter.

New Mexico: Do not plant treated land with crops other than cotton until I year ofter the last application. Do not use on sandy or coarse taxtured soils of less than II organic matter.

COTTON - Govan Trifluralin preplant followed by Karmex overlay: For cotton grown east of the Hississippi River plus Arkansas, Southeastern Hissouri, Louisiana and Eastern Texas, incorporate before plenting. Then follow with a preemergence application of Karmex. This will effectively control all the weeds controlled by Gowan Trifluralin alone plus these additional weeds:

Shepherdspurse Ragveed Annual Proundcherry Wild lettuce Dorfennel Wild musterd **Fennycress**

Annual morningglory

Diomocase whee		
Soil Texture	Goven Trifluralin 4	Karnex 80W
	(pints)	(pounds)
Coarse	l.,	1/3
Hedium	11/2	2/3
Fine	Đ.	1

Additional Precustions: Do not use Karmex on soils with less than 12 organic matter as crop injury may result. Do not allow livestock to graze on cotton treated with Karmex. Consult the Karmex label for additional instructions, cautions and pracautions,

SOYBEAR - GOWAN TRIFLURALIN ALONE

SOYBEAN - Proemergence:

Fullow recommended soil preparation, application, and incorporation procedures for Govan Trifluralin.

Brondesst Rates Per Acre

Gowan Trifluralin 4 Sail Texture (pints) CORTER Hed Iva Fint

\$ bus altas between with a per serie on course and medium textured and a super pints on fine soils with 2-5% organic matter; use 2-2% pints on all soils with 5-10% organic matter.

SOYBEAN - Fall Application:

130 15

Apply and incorporate anytime between October 15 and December 31. Ground may be left falt or bedded-up over winter. On hedded ground, knock beds down to desired height before planting, moving some treated soil from tops into furrows. Where soil is left flat over winter, take care during spring bedding operations to prevent turning up untreated soil. Destroy established weeds during sredbed pre-paration. If weeds become established in furrows due to uncovering of untreated soil during listing, destroy these weeds before planting. Do not fall apply to soil which are wet, are subject to prolonged periods of flooding, or where rice was grown the previous year.

For soybeans grown in Alabama, Arkansas, northern Florida, Georgia, Louisians, Mississippi, southeastern Missouri Bootheel, North Carolina, Oklahomo, South Carolina, Tennessee and Texas, apply and incorporate at a broadcast rate of D pints per acre on coarse and medium soils and Zipints on fine soils.

For soybeans grown in states other than those listed above, apply and incorporate at a broadcast rate of 1 pint per acre on coarse active 11 pint per acre on coarse

soils; 1/2 pints on medium soils; 2 pints on fine soils; (1/2 pints on coarse soils with 2-5% organic matter; and 2 to 2 pints on soils with 5-101 organic matter.

SOYBEAN - SPECIAL USE DIRECTIONS

SOYBEAN - Fall panicum: Apply Govan at the broadcast rate of 2 pints per acre on both coarse and medium soils.

SOYBEAN - Pigweed and seedling johnsongrass: In Alabama, Arkansas, Florida, Georgia, Kansas, Louisiana, Hississippi, southeastern Missouri, North Carolins, Oklahoms, South Carolins, Tennessee and southern Virginia, Govan Trifluralin may be applied at a broadcast rate of 1 to 10 pints per acre on coarse soils; 1% to 2 pints on medium soils; and 2 pints on fine soils. Exception: in the state of Louisiana, 3 pints per acre are recommended on fine soils.

SOYBEAN - Additional weed and grass control (Texas Gulf Coast): In the Texas Gulf Coast counties of Brazoria, Calhoun, Chambers, Fort Bend, Galveston, Harris, Jackson, Jefferson, Liberty, Matagorda, Orange, Victoria, Waller and Wharton, Govan Trifluralin may be applied up to 2 weeks before planting at a broadcast rate of pints per acre on coarse soils; 2 pints on medium soils; and 3 pints on line soils.

SOYBEAN - Charcoal soils in Arkansas, Louisians and Mississippi: Kewly cleared land often contains high organic matter (5-10%) and charcoal from burning debris. This charcoal and/or organic matter tends to bind Govan Trifluralin and reduce it weed control activity. Under these conditions, higher rates of Govan Trifluralin are necessary for weed control. Increased tates, however, can cause crop injury if charcoal or organic matter is not present to hind some of the Govan Trifluralin. In the burn row a high level of charcoal is present; consequently, poor weed control may result even with an increased rate of Govern Trifluralin.

Apply at the broadcast rate of 1/2 to 2 pints per acre on coarse soils; 2 pints on medium soils; and 3 pints on fine textured soils. Follow recommended soil preparation, application and incorporation procedures for Govan Trifluralin.

SOYBEAN - Red rice in Arkansas, Louisiana, Hississippi and Texas only:

You can obtain suppression or partial control of red rice when you apply Gowan Trifluralin at the following recommended rates. Follow recommended soil preparation and incorporation procedures for Goven Triflutalin.

Apply and incorporate in the apring before planting,

Broadcast Rates Per Acre

	Govan Trifluralin 4		
	Application	Application	
Soil Texture	Year 1	Year ?	
	(pints)	(pints)	
Course	- 2	J.,	
Hedium	2	1 <u>%</u>	
Fine	٦.	⊋	
Coarse soils with 2 :	to	.17	
5% organic matter	3	11/2	
Soils with 5 to 10%			
organic matter	'4	つ- フ/デ	

If a combination of high organic matter (5-10%) and charcoal are present in the soil, apply Govan Trifluralin the second year at the following rates for charcoal soils in Arkansas, Louisians and Mississippi:

Soil Texture	Gowan Trifluralis
	(pints)
Coarse	1/2- 2/2
Kedium	2/2
Fine	. 4.3

For more information on charcoal soils (see above).

Crop Rotation: The . gram for red rice control in soybeans in s 2-year program. L he rates listed for first year application and plant snybeans, the second year use the normal rates listed for your soil type and charconl level and plant only those crops for which Gowan Trifluralin has been registered as a preplant

treatment, or crop injury may result. Do not plant rice the second year. Rice may be planted the third year.

SOYBEAN - Rhizome johnsongrass (Eastern United States and the state of Texas):

You can obtain commercially acceptable control of rhizone johnsongrass with a double rate program applied for 2 consecutive years in accordance with the following directions.

Soil Preparation : Proper preparation of the soil before application is very important for satisfactory Tesults. Use a chisch! plow or similar implement to bring rhizomes to the top of the woll. Then follow withes disc two times before application to cut the rhizones Core small (2 to 3 inch) pieces and to destroy any epyracel johnsongrass.

Application - Choose the one application program that heat fits your cultural practicul:

Spring Application - Apply Goven Trifluralin anytimerin the

ORCC Full Application - Apply Govan Trifluralin between October 15 and December 31 for A years in a row at the same rates as a syring application for the control of rhizome johnsongrass. OR

Split Application - Apply Gowan Trifluralin at the same rate in both the spring and fall for 2 years in a row using the rates in the following table.

Broadcast Rates Per Acre

Soil Texture	Gowan Trifluralin T Spring and Fall
	(pints)
Coarse	1.
Hedium	172
Fine	ລັ
Coarse soils with 2-5% organic matter	1名
Soils with 5-10% organic	_
matter	a a

Incorporation - Deep incorporation is essential for good thizome johnsongrass control. Incorporate Govan Trifluralin thoroughly with a disc set to cut 4 to 6 inches deep and operate at 4 to 6 mph. Two passes are necessary, with the second pass in a different direction from the first.

Cultivation - Some johnsongrass plants will escape. Timely cultivations during the crop season to remove escaped plants are necessary to obtain commercially acceptable control.

Crop Rotation: In the season following a double rate treatment, plant only rice and those crops for which Gowan Trifluralin can be applied as a preplant treatment or injury may result.

SOYBEAN - Rhizome johnsongrass - Cowan Trifluralin/Sencor or Govan Trifluralin/Lexone tank mix:

Govan Trifluralin may be used with Sencor or Lexone for rhizome johnsongrass control and for the control of those weeds listed for Govan Trifluralin alone. For the additional weeds controlled by Sencor or Lexone in tank mix, (see below). Follow procedures for soil preparation, incorporation, and cultivation recommended in the Soybean - Rhizone johnsongrass section. Apply Goven Trifluralin/Sencor or Lexone up to two weeks before planting for two consecutive years at the following broadcast rates per acre:

Lexone (dry flowable) Lexone 50k7*/4L OT or Soil Corren Trifluralin4 Sencor 50MP/4 Sencer (dry flowable) 1cxture (abnuoq) (pounds/pints) (ainta)

1/2 Coarse* Me dium 3 3/4 Fine

* Do not use on coarse soils with less than 1 % organic matter.

Read and follow all additional precautions listed for the Gowan Trifluralin/Sencor or Lexone tank mix. (see bedow).

SOYBEAN - Wild came (shattercame):

Follow recommended soil preparation and application procedures for

Govan Trifluralin.

Wild came (shattercame) can germinate throughout the growing season and from greater soil depth than most other weed meeds. Commercially acceptable thereof of wild cane can be obtained with the following increased rates of Gowan Trifluralin. Apply at the broadcast rate of Compining per acre on a coarse soils 1.6 pants on a medium soil;

and 2 pints on a fine textured soil.

Incorporation Deep incorporation is essential for good wild cane control. Incorporate Goven Trifluralin thoroughly with a disc set to cut 4 to 6 inches deep and operate at 4 to 6 mph. Two passes are necessary, with the second pass in a different direction from the first.

Cultivation - Cultivations during the crop season will also contribute to control.

SOYBLAN PRICAUTIONS: Soyleans should be planted after early season adverse weather conditions have passed, especially when using higher rate programs. Cool, wet weather early in the growth cycle causes additional stress to the soybean plant. This may result in reduced stands, delayed maturity and reduced yields.

SOYBEAR - TANK HIXES AND OVERLAYS

SOYBEAN - Goven Trifluralin/Sencor or Cowen Trifluralin/Lexone tank mix:

The Govern Trifluralin/Sencor or Govern Trifluralin/Lexene tank mix effectively controls the annula grasses and broadleaf weeds controlled by Govan Trifluralin plus these additional weeds:

Ragweed, common Jipsonveed Sesbania, hemp Smartweed, Pennsylvania Hallow, Venice (Flower-of-#n-hour) Velvetleaf Hustard, wild Prickly side

Control of cocklebur, morningglory and giant ragueed (horseweed) may be erratic. Control may be imporved with timely cultivation. Where cocklebur is a serious problem, an overlay of Sencor or Lexone may be preferred to the Gowan Trifluralin/Sencor or Lexone tank mix.

Follow recommended procedures for soil preparation, incorporation. and cultivation of Gowan Trifluralin. Hix according to instructions under general mixing and application directions. The tank mix can be applied from 2 weeks before planting up to planting.

Broadcast Rates Per Acre

Soil Texture	Gowan Trifluralin	Lexone 5007/41. Sencor 5007/4	Lexene (dry flowable) Sencor (dry flowable)
	(pints)	(pounds/pints)	(priunds)
Coarse*	<u> </u>	1/2	1/3
Hedium	13	3/4	1/2
Fine	₽	1	2/3

* Do not use Sencor/Lexone on coarse soils with less than 1% organic

Additional Precautions: Do not plant any crop other than soybeans within 4 months after treatment. Overapplication, uneven application, or imporper soil incorporation may result in crop injury, herbicide residue, or erratic weed control. Additional atress facitors are seedling disease, cold weather, deep planting, excessive moisture, soil pH over 7.5, high salt concentration, or drought. Any of these may weaken crop seedlings and increase possibility of damage from the tank mix. These additional factors may also delay crop development or reduce yields when Sencor or Lexone is applied. Observe all cautions and limitations on the Sencor and Lexone labels Do not use the foliage from soybeans treated with the tank mix for feed or forage.

SOYBEAN - Goven Trifluralin preplant followed by Sencor or Lexone as an overlay:

Apply Gowan Trifluralin as a preplant incorporated herbicide. As a separate operation, make a single application of Sencor or Lexone as either a band or broadcast spray during planting or as a separate operation after planting, but before the soybeans energe. Do not spray Sencor or Lexone over the top of emerged soybeans, or crop injury may result.

Use Directions - Follow directions on the Sencor or Lexone labels for specific instructions regarding each herbicide.

Broadcast Rates Per Acre

	Postplant/Preemergence			
Soil Texture	Govan Trifluralin	Lexone 50kP/4L* Sencor 50kP/4	Lexone (dry flowable) Sencor (dry flowable)	
	(pints)	(pounds/pints)	(pounds)	
Coarse** Hedium	i ¹ k	3/4 or 3/4-1 3/4-1 or 3/4-15	1/2 or 1/2-1/3 1/2-2/3 or 1/2-1	
Fine	a a	1 or 1 = 1 3/4	2/3 or 2/3 - 1 1/6	

* Lexone rates are given first, followed by Sencor rates. ## Do not apply Lexone to sand or soils with less than 1/2% organic matter. Do not apply Sencor to coarse soils (sandy loam and loamy sand) containing less than 2% organic matter.

Additional Sencor and Lexone precautions: Do not use Lexone or Sencor on Tracy, Semmes, Altona, Vansoy or Coker 102 soybeans. These varieties are sensitive to Lexone or Sencor, and crop injury may result. Seed must be planted at least I 1/2 inches but not more than 2 inches below the soil surface before a Sencor or Lexone application. Do not apply Sencor or Lexone at these rates more than once per season. Do not replant areas treated with Sencor or Lexone with any crop other than soybeans within 4 months after treatment. Injury to soybeans may occur if you use Lexone or Sencor on soils having a calcarous surface or pil or 7.5 or higher, or if you use them in conjunction with soil-applied organic phosphate pesticides. Do not use the foliage from treated sovbeans for feed or forage.

SDYBLAK - Cosmo Trillintallidlasso Tank Blx Preplant Incorporated m. Grean Trifforalin Preplant Incorporated With Lakso Surface Applied:

Gowan Trifluralin/Lasso tank mixed and Gowan Trifluralin proplant ! incorporated followed by Large autface applied control those weeds listed on the Govan Trifluralin label plus these additional weeds:

Vitchgrass Galinsoga Pusley, Florida Hightshade, blacks Nightshade, hairy* Rice, red** Nutsedge, yellowas

Additional weeds paytimily controlled by this combination include:

Biggaideed, Floriga Sida, spiny (teaveed) Regwere, comen. Spartweed

* or: 4 Check rate table for additional information.

For Co.u. Trifluralin/Lass tank mix: Follow recommended soil prepsration recommendations for Govan Trifluralin. Apply Govan Trifluralin/Lasso in a minited of 15 gallons of water or liquid fertilizer per Acre: Set incorporation equipment to work the soil no deeper than four duches! Apply the tank mix up to seven days prior to planting.

For Couch Trifluralin preplant incorporated followed by Lasso surfact spiritd: Apply and incorporate Gowan Trifluralin according to recommended spilepreparation application and incorporation procedires. Refer to the lasso label for additional application directions, tautions, and precautions prior to use.

Broadcast Rates Per Acre

Sod 1 Texture

COSTES

Redium

Fine

Gowan Trifluralin/Lasso tank mix preplant incorporated:

	(pin	ts)	(quarts)	
Coarse	, ا		2 1/2	Ŋ,
Hedium	1 }	a	3 - 3 1/2	m.
Fine	ລ		3 1/2 - 4	
Gowan Trif: applied:	luralin preplant is	corporated follo	wellshirt to	<i>U</i> gurface
So11	Govan		550	
Texture	Trifluralin4	41x o.H.	_ ≱ 3х о.н.	
	(pints)	(auarts)	(atreup)	

Goven Triflurelin 4

* Use a minimum of two and one-half quarts of Lasso to control these weeds.

** Use three to four quarts of Lasso per acre applied alone or, on medium and fine textured soils, in tank mix combination preplant incorporated only for control of these weeds.

21/2 - 3

SOYBEAN - Goven Trifluralin/Dual Tank Mix Preplant Incorporated and Gowan Trifluralin Preplant Incorporated With Dual Surface Applied:

Gowan Trifluralin/Dual effectively controls those weeds listed on the label for Gowan Trifluralin plus these additional weeds:

Southwestern cupgrass Black nightshade Yellow nutscore Prairie cupgrass Red rice

Additional weeds partially controlled by this combination include: Hairy nightshade Volunteer sorghum

Follow recommended soil preparation and incorporation procedures for Govan Trifluralin.

Apply Gowan Trifluralin/Dusl in 10-40 gallons of water per acre with conventional low pressure sprayers and in a minimum of 5 gallons of water per scre by air. Gowan Trifluralin/Dual tank mix can also be applied preplant incorporated and followed by Dual at planting or after planting as a banded or broadcast application.

Broadcast Rates Per Acre

Soi 1	Govan	Dual	BE
Texture	Trifluralin 4	∠3% O.H.	<u> ≯32 O.H.</u>
	(pints)	(pints)	(pints)
Coarse	ik	1 1/2 - 2	2
Medium	_ `	2 - 2 1/2	2 - 2 1/2
Fine	Ð.	2 - 2 1/2	2 1/2 - 3

Check the Dual label for additional directions for use, cautions, and precautions prior to application.

SOYBEAR - Gowan Trifluralin/Amiben tank mix or overlay:

Tank mix - Amiben may be applied several days prior to planting as a broadcast tank mix with Govan Trifluralin. Weeds controlled by this tank mix, in addition to those controlled by Govan Trifluralin alone, are smartweed, velvetless and regueed. The tank mixture should be used as a spring preplant incorporated treatment.

Overlay - Amiben may be applied broadcast or in a band over the soybean row at planting time in fields where Gowan Trifluralin has been preplant incorporated. Weeds controlled by Aniben when surface applied, in addition to those controlled by Gouy Trifluralin alone, Coffeeweed (Seshania) Hustard, wild Rightshade, black Prickly sids (Teauced) Ragweed, common

Spurge, annual Smartured, Pennsylvania Btinkgrass Velvetleaf

Apply Gowan Trifluralin as a tank mix with Amihen, or apply and incorporate Govan Trifluralin alone followed by an overlay application of Amiben at these rates;

Broadcast Rates Per Acre

Medium Fine

2

Spil Texture	Gowan Trifluralin 3	Amiben 25
3037 TEXTO:3	(pints)	(quarts)
Coarac	182	4 - 6*
Medium	-	4 - 6
Fine	2	4 - 6

* Use the higher rate where you expect heavy populations of smartweed, velvetleaf, ragweed, wild mustard or black nightshade. Do not use on such or charcosl soils. Read and observe all directions and cautions on the Amiben label.

SOYBEAN - Goven Trifluralin/Anthen/Sencor or Lexono tank mix:

The Govan Trifluralin/Amilian/Sencor or Lexone tank mix effectively controls all weeds listed for Gowan Trifloralin/Amiben and Gowan Trifluralin/Sencor or Lexone tank mixes.

Follow recommended soil preparation, application, and incorporation procedures for Govon Trifluralin. The tank mix may be applied from several days prior to planting up to planting in 10 to 40 gallons of water per acre. Use screens no finer than 50 mesh. Apply the tank mix at the following broadcast rate per acre:

Lexone 50kP/41, or (dry flowable) + Amiben Soll Govan Sencor Sencor Trifluralin 4 Texture 2S 50KP/4 (dry flowable)_ (quarts) (pounds/pints) (pounds) (pints) 1 Coarse' 1/3 1/2 - 3/4° 13 1/3 - 1/2°

*Do not use Sencor or Lexone on coarse soils with less than 12 organic matter.

^bUse the higher rate of Amiben when velvetleaf or black nightshade is a problem.

^COn Clarion/Webster soils in Hinnesota and love or on similar alkaline (calcareous) soils with a pH of 7.5 or above, apply Sencor or ; Lexone at the rates listed below:

	Lexone 50WP/4L or		Lexone (dry flowable)	V
Soil Texture	Sencor 50kP/4	or	Sencor (dry flowable)	
	(pounds/pints)		(pounds)	_
Kediun	1/2	•	1/3	
Fine	1/2 - 3/4 ^d		1/3 1/3 - 1/2 ^d	

Use the higher rate only where soil pH is less than 7.5 and where weed pressure is heavy.

Additional precautions: The Gowan Trifluralin/Amiben/Sencor or Lexone tank mix will not harm the treated crop when you apply it according to directions and under normal growing conditions. However, overspplication, uneven application or improper soil incorporation of the tank mix can result in erratic weed control or crop injury. Additional stress factors are seedling disease, cold weather, deep planting, excessive moisture, soil pH over 7.5, high salt concentration, or drought. These additional factors may weaken crop seedlings and increase the possibility of damage from the tank mix. These additional factors may also delay crop development or reduce yields. Observe all cautions and limitations of all products used in mixtures. Do not use the foliage from soybeans treated with the Goven Trifirualin/Amiben/Sencor or Lexone tank mix for feed or fo-Tage.

SOYBEAN - Goven Trifluralin/Vernsm tank mix:

The Govan Trifluralin/Vernam tank mix effectively controls those weeds listed for Govan Trifluralin alone plus these additional veeds:

Porple nutseáge (nutgrass) Coffeeveed Yellow nutsedge (nutgrass) Annual morningglory

Follow recommended soil preparation procedures for Gowan Trifluralin. You may apply the tank mix up to 10 days prior to planting. Incor-

porate the tank mix immediately after application. Apply Gowan . Trifluralin/Vernam at these rates:

Broadcast Rates Per Acre

Soil Texture	Goven Trifluralin 4	Vernam 7E
	(pints)	(pinta)
Coarse	• • • • • • • • • • • • • • • • • • • •	1 3/4 - 2 1/3
Medium	্রাদ্ধ	2 1/3 - 34
Fine	~3	3 - 3 1/2

* For nutsedge, will the and velvetleaf control, use the higher rate of 1 pints per acre on medium textured moils.

110F 16 ALIATA - ESTABLISHED

in areas receiving less than 20" average annual rainfull per vent, apply Govan Trifluralin to established alfalfa stands at a broadcast rate of [5] pints per sere on reasse soils and 5] pints on aedium and fine soils. Use interperation equipment that will insure therough and I mixing with minimum damage to the established alfalfa.

ASPARAGUS - ESTABLISHED

Follow recommended soil preparation, application, and incorporation procedures for Govan Trifluralin.

Govan Trifluralin Can, by applied to established asparagus as a single or as a split application. In the winter or early spring, apply to asparagus after ferm, are removed but before spear emergence. Or, applyeadwaw marvest in the late spring or early summer before ferming hegips. Govan Triflutalin will suppress volunteer seedling asparagus and field binured if you use the following recommended rates and seplication achedules.

Brosocast Rates Per 3cts.

lication After
After
•
Harvest
:5)
2
3
· 4

*In any single calendar year, the maximum Gowan Trifluralin to apply is "1" pints per acre on coarse soils; 3 pints on medium soils; and 14 pints on fine soils.

FOR THE FOLLOWING CROP GROUPING, USE THE RATE TABLE BELOW

CARROT

CASTOR BEAN

CELERY - (Direct seeded and transplant in areas receiving less than 20" average annual rainfall.)

COLE CROPS - TRANSPLANT

Apply and incorporate prior to transplanting only. (Broccoli, Brussel Sprout, Cabbage and Cauliflower) See next section for direct seeded.

OKRA

PEPPER - Transplant Apply and incorporate prior to transplanting only.

SOUTHERN PEA

Apply and incroporate before planting, at planting, or immediately after planting, unless otherwise indicated.

Broadcast Rates Per Acre

	<u> Govan Triflur</u>	թ) մո Կ
	Areas receiving	Areas recriving
	< 20" average	> 20" average
Soil Texture	annual rainfall*	#nnual rainfall#
	(pints)	(pints)
Coarse		l,
Medium	1/4-1/2	1/2
Fine	ነ <u>ኤ</u>	a.
	• ••	

*Use $\frac{1}{2}$ pints per scre on coarse and medium textured soils and $\frac{1}{2}$ pints on fine soils with 2-5% organic matter; use $\frac{1}{2}$ pints on all soils with 5-10% organic matter.

COLE CROPS - DIRECT SEEDED (Broccoli, Brussel Sprout, Cabbage and Cauliflower) See above section for transplant.

For direct-seeded cole crops, apply and incorporate Govan Trifluralin before planting at a broadcast rate of | pints per acre on coarse and medium soils and |/2 pints on fine soils and soils with 2-5% organic matter. Direct-seeded cole crops have exhibited marginal tolerance to recommended rates of Govan Trifluralin. Stunting or reduced stands may occur.

CUCURBITS - POSTPLANT EMERGED (Cantaloupe, Cucumber, and Watermelon) Western United States including Texas:
Apply as a directed spray to the soil between the rows and beneath plants which are in the 3 to 4 true leaf stage.

Broadcast Rates Per Acre

	Goven Trifluralin 4	
Soil Texture	Areas receiving 4 20" average annual rainfall*	Areas receiving > 20" average
SONT SENTONE	(pints)	<pre>ennual_rainfall* (pints)</pre>
Coarse Hedium	火 - な な	13
Fine	仏	ລັ

*Use 1/2 pints on coarse and medium textured soi' and 2 pints on fine soils with 2-52 organic matter; use 2 s on all soils with 5-102 organic matter.

Set incorporation equipment to three treated soil around the plants during incorporation.

DRY BEAN - GOVAN TRIFLURALIN ALONE

Apply and incorporate before planting using the following rates:

Broz cast Rates Per Acre

	Govan Trifluralin 4	
	Areas receiving 4 20" average	Areas receiving > 20" average
Soil Texture	annual rain(alla (pinta)	annual rainfall* (pinta)
Coarse Medium Fine	ルール。 ル。	1/2

*Use \partial pints per acre on coarse and medium textured soils and \(\mathbb{D} \) pints on fine soils with 2-52 organic matter; use \(\mathbb{J} \) pints on all soils with 5-102 organic matter.

URY BEAN - Govern Triflurelin/Eptem tenk mix:

The Govan Trifluralin/Eptam tank mix effectively controls all the following weeds in addition to those weeds listed for Govan Trifluralin:

Henhit (Spring applications)

Rightshade, black
Rightshade, hairy

Nutsedge

Out, wild
Ragueed, common
Smartweed, Pennsylvania
Velvetleaf (Buttonweed)

Follow recommended soil preparation and incorporation procedures for Govan Trifluralin. The tank mix should be applied from 2 days before planting up to planting. Incorporate immediately after application.

Broadcast Rates Per Acre

usede.

Gowan Trifluralin 4

Soil Texture	Areas receiving 20" average annual rainfall* (pints)	Areas receiving 20" average annual rainfall* EPTAN (pints)	
Coarse Hedium Fine	14-1/2 1/2	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	* *

*Use 1/2 pints per acre on coarse and medium textured soils and 2 pints on fine soils with 2-5% organic matter; use 2 pints on all soils with 5-10% organic matter.

*Use Eptam 7E at a rate of 2½ pints per scre to control annual grasses; 3½ pints to control nutsedge and additional broadleaf

Precaution: Read the Eptam label before using. Observe all cautions and limitations of all products used in mixtures. The combination of Gowan Trifluralin and Eptam should not be used on soybeans, black-eyed peas (beans), lima beans and other flatpodded beans, except Romano. Do not use the foliage from a crop treated with this tank mix for feed or for grazing.

DRY BEAK - Fall application for dry bean grown in Idaho, Oregon, and Washington:

Apply and incorporate Govan Trifluralin any time between October 15 and December 31 at a broadcast rate of | pints per acre on coarse soils; | hto | hours on medium soils; and lig pints on fine soils. Destroy established weeds during seedbed preparation.

FOR THE FOLLOWING CROP GROUPING, USE THE RATE LISTED BELOW

BEANS - (Guar and Hungbean)

GREENS - Turnip greens grown for processing, Collard, Kale and Musterd greens.

HUSTARD - Grown for seed or processing for food in Minnesots, Montans and North Dakota: Apply and incroporate Gowan Trifluralin before planting at | pint per acre on coarse soils and | pints on medium and fine soils.

BEANS - (Lima Bean and Snap Bean):
Apply and incroporate before planting at a broadcast rate of .!
pint per acre on coarse and medium soils and ! pints on fine soils.

CORN (Field Corn) and GRAIN SORGHUM (Mile):

Apply Govan Trifluralin to field corn or grain sorghum (8 inches or taller) as an over-the-top or directed spray to effectively control weeds listed for Govan Trifluralin.

Soil Preparation - Cultivate before a Gowan Trifluralin application to insure loose, friable soil, to ramove setablished weeds, and to cover the base of plants with soil.

Application Directions - Gowan Trifluralin should be applied and incorporated at the recommended rates for the soil texture when the crop is well established (8 inches or taller). Gowan Trifluralin may be applies either as an over-the-top apray or as a directed apray. Drop nozzles should be used if foliage prevents uniform coverage of soil surface. Soil incorporation may be accomplished with only one pass a sweep-type cultivator or a properly adjusted rolling cultivator.

The Eweep-type cultivator should have 3 to 5 aweeps per row middle

and be operated at 5 to 8 mph. Set the middle aveeps so as to

avoid exposing untrested soil. Adjust the incorporation tools to prevent ever injury.

Brondcast Rates Per Acre

Tine

Use the lower rates when you anticipate light weed pressure and the higher rates when you anticipate heavy weed pressure.

*Corn only: Apply | 10 1/2 pints per acre in Alabama, Florida, Georgia, North Carolina, South Carolina and Virginia to control falk panicum and Tixes panicum.

CONN/FPAR: SORGHUM - Govern Trifluralin for shattercase control and Cover Trifluralin/Attrazine tank mix for additional weed control:

Govern Trifluralin' applied as an over-the-top apray or as a directed spray, in field corn/grain sorghum will control shattercase in addition to those 6ther yeeds listed on the label for Govern Trifluralin. Userrates listed above.

Govan, Trifluralin can be tank mixed with attrazine for additional weed control in field corn/grain sorghum.

Broadcast Rates Per Acre

Soil Texture	Govern Trifluralin Li (pints)	Atrazine 41.* (pints)
Coarse (sandy loam only)	3/4-1 1-1/2	2.4 4.75
Kedium Fine	1/4-2	6.0

#When using AAtrex 4L, use the rates listed above. For other strazine formulations, use equivalent rates. When using AAtrex NineO 1 pint of 4L = 0.55 pound of NineO. One pint of 4L equals 0.62 pounds of atrazine 80%. Apply and incorporate the Gowan Trifluralin/atrazine tank mix as directed on the Gowan Trifluralin label for field corn and grain sorghum. Check the atrazine label for additional directions, cautions, and precautions prior to use.

Precaution: Do not apply Govan Trifluralin to corn grown for seed. Be not apply to corn or sorghum as a preplant of preemergence treatment, or crep injury may occur.

HOPS

Apply and incorporate Govan Trifluralin while the crop is domant. Use a broadcast rate of '\ pint per acre on coarse soils; Mato W pints on medium soils; and W pints on fine soils and soils with 2-10% organic matter.

HINT - (Established Peppermint and Spearmint):

Apply and at a rate of | pint per acre on coarse soils; 1/4 pint on medium soils; and 1/2 pints on fine soils. Use incorporation equipment that will insure thorough soil mixing with minimum damage to the crop.

FEA - (Dry and English) - Goven Trifluralin Alone:

Apply and incorporate before planting at a rate of \uparrow pint per acre on coarse and medium soils and $\downarrow \downarrow_{\mathcal{O}}$ pints on fine soils.

PEA - Gowan Trifluralin/Far-Go tank mix for pea in Idaho, Oregon, and Washington.

The tank mix combination of Govan Trifluralin plus Far-Go will provide control of wild out in addition to other annual grasses and broadleaf weeds controlled by Govan Trifluralin

Application rates: Broadcast 2/4 pint of Govan Trifluralin per acre on coarse and medium soils; { pint on fine soils. Use 14 quarts of Far-Go per acre for all soil textures.

Incorporation Directions: Apply and incorporate up to 3 weeks before planting. Follow recommended incorporation procedures for Govan Trifluralin.

Precaution: Do not apply to lentils. Leaf crinkling and delayed saturity of peas may occur, particularly on caly points in the northwest; but this is usually more than offset by a reduction of wild out. Do not use foliage from treated peas for feed or forage. Refer to the cautions, precautions, and directions on the Far-Go label.

FEA - Fall application to dry pea and English pea in Idaho, Oregon and Washington:

Apply and incroporate any time between October 13 and December 31 at a broadcast rate of 1 pint per acre on coarse soils: Not 1/2 pints on medium soils; and 3/3 pints on fine soils. Destroy established weeds during seedbed preparation. Do not apply in the fall to soils which are wet or are subject to prolonged periods of flooding.

PENTUT - (Spanish Peanut in Texas and Oklahoma):
Apply and incorporate Gowin Trifluralin before py 'ing, at planting or immediately after planting at a broadcast of 4 pint
per acre on coarse soils. When incorporating after planting, take
care not to disturb the seed.

PLANCE - Govern Triffmenlin/Vermas tank mix (Spanish Prymot in Texas and Oklahoma):

Govern Triffurniin/Vernor took mix effectively controls those weeds listed for Govern Triffurniin alone plus these additional weeds:

Purple nutsedge (nutgrass) Collected Velvetleaf Annual marningglory

Follow recommended soil preparation procedures for Govan Trifluralin You may apply the tank mix up to 10 days prior to planting. Incorporate the tank mix immediately after application. Apply the tank mix at these rates:

Soil Texture	Coven Triflurelin 4 (pints)	Vernam 7E (pints)
Coarse	1	2 1/3

POTATO - (All states except Haine):

Apply and incorporate Govan Trifluralin after planting, before erergence, or immediately following dragoff or after the potato plants have fully exerged.

Broadcast Rates Per Acre

	, Goven Triflurelin4		
Soil Texture	Areas receiving 4 20" average annual rainfall*	Areas receiving > 20" average annual rainfall*	
	(pints)	(pints)	
Coarse Xedium	124-12	1 1 1/2	
Fine	1/2	a.	

*Use [1/2] pints per scre on coarse and medium soils with 2-5% organic matter; use 2 pints on all soils with 5-10% organic matter.

Set incorporation equipment so that the bed and furrow will be uniformly covered with a layer of treated soil. If the layer of treated soils is not uniform and the herbicide is concentrated over the bed, potato emergence may be retarded, and atem brittleness can occur. When applying and incroporating Govan Trifluralin after potato plants have fully emerged, do not completely cover foliage at subsequent cultivations. Be careful that incorporation machinery does not damage potato seed pieces or elongating sprouts.

POTATO - Split application in Idaho, Oregon and Washington: On all soils, apply and incorporate 3/4 pint of Govan Trifluralin ver acre before planting and 3/4 pint after planting when potato plants have fully emerged. Do not apply to soils containing 2% or more organic matter. Follow incorporation directions listed above for application to pptato after planting.

POTATO - Goven Trifluralin/Eptem tank mix for potatoes grown in Kansas, Hinnesota, Rebraska, North Dakota, Oklahoma, South Dakota and Texas:

The Gowan Trifluralin/Eptam tank mix effectively controls the following weeds in addition to those weeds controlled by Gowan Trifluralin:

Henbit (Spring applications)

Nightshade, black

Nightshade, hairy

Nutsedge

Out, wild

Ragweed, common

Smartweed, Pennsylvania

Velvetleaf (Buttonweed)

Follow recommended soil preparation and application procedures for Govan Trifluralin. The tank mix may be applied after planting, but prior to crop emergence. In areas where potatoes are normally dragged off, the tank mix should be applied and incorporated up to or immediately following drag off.

Broadcast Rates Per Acre

	Govan Tri		
Soil Texture	Areas receiving 20" average	Areas receiving 20" average	
POIL JEXEULE	annual rainfall*	annual rainfall*	
	(pints)	(pints)	(pints)
Coarse	1)	1 3/4 - 7**
Hedium	ነ~ ነኤ	1-1%	1 3/4 - 7
Fine	1-17-	· 1-5.	1 3/4 - 7

*Use AV pints per acre on coarse and medium soils with 2-5% organic matter; use 12 pints on all soils with 5-10% organic matter.

At Use the higher rate of Epstm 7E for nutsedge control.

Precaution: Read the Eptem label before using. Observe cautions and limitations of products used in mixtures. Do not graze or feed forage to livestock from fields treated with Gowan Trifluralin/Eptem tenk mix.

POTATO - Govan Trifluralin/Eptam application before planting in Washington, Idaho and Oregon:
Govan Trifluralin/Eptam may be applied before planting at a broadcast rate of 3/4 pint of Govan Trifluralin per acre and 3 1/2 pints of Eptam 7E per acre on all soil textures. Incorporate immediately.

Precaution: Do not use this tank mix both before and ofter planting in the same season.

d the Eptam label before using. Observe all cautions and like ations on labeling of all products used in mixtures. Do not use foliage from treated crops for feed or forces.

Follow recommended soil preparation, application and incorporation procedures for Govan Trifluralin. Apply and incorporate in the spring before planting or in the fall between October 15 and Becember 31.

Broadcast Rates Per Acre

Fine

Goven Trifluralin 4 Areas receiving 420" average ennual reinfall* Areas receiving > 20" average Soil Texture annual rainfall* (pints) (pints) 1 Coarse J&-11/2 11/2 Hediume 172

* Use 17 pints per acre on coarse and medium textured soils and a pinter as fine soils with 2-51 organic matter; use 2 to 21/2 pints on all soils with 3-10% organic matter.

SAFFLOYER 2 Tall application in Arizona, California, Idaho, Montana, Revada, Oregon, Utak, Vashington and Wyoming:
Apply and incorporate Govan Trifluralin any time between October 15 and December 31. Ground may be left flot or hedded-up over winter. On bedded ground, knock beds down to desired height before planting, moving some greated soil from tops into furrows. Where soil is belt Mat over winter, take care during spring hedding operations to prevent turning up untreated soil. Destroy established weeds during seedbed preparation. If weeds become established in furrous due to uncovering of untreated soil during listing, destroy these weeds before planting. Apply and incorporate at a broadcast rate of 1/2 pints per scre on coarse soils; 2 pints on medium soils; and Mynists on fine soils.
Do not apply Goven Trifluralin in the fall to soils which are wet or are subject to periods of flooding.

SUCARREET

Apply Govan Trifluralin as a broadcast, overtop spray when plants are between 2 and 6 inches tall at a rate of 1 pint per acre on coarse soils and K to 12 pints on medium and fine soils. Use the higher rate for medium and fine soils in areas receiving more than 20" average annual rainfall can decrease annual rainfall can average annual rainfall. Set incorporation machinery to throw treated soil toward the plants in the row. Be careful that incorporation machinery does not damage the sugar beet taproot. Precuation: Exposed beet roots should be covered with soil before an application to reduce the possibility of girdling.

SUGAR BEET - Incorporation with a time-tooth harrow in California, Colorado, Idaho, Hontana, Nebraska, Oregon, Texas, Utah, Washington and Wyoming:

A properly operated time-tooth harrow (Flextime or Helroe) can incorporate Govan Trifluralin for effective weed control in augar best. Operate the time-tooth harrow 2 times over the field in opposing directions at a speed of 3 to 6 mph. Set the harrow to cut I or 2 inches deep. Be careful that the time-tooth harrow does not damage the sugar beet taproot. Follow recommended application precedures and broadcast rates per acre for sugar beet. (see preceding paragraph).

SUCAR BEET - Gowan Triflurslin/Eptam tank mix applied as an overtop sprsy and incorporated:

Goven Trifluralin may be tank mixed with Eptem and used as an overtop spray and incorporated for weed control in augar brets. Apply the tank mix anytime after the first true leaves have formed until the beets are six inches tall.

Broadcast Rates per Acre

Soil Texture	Govan Trifluralin .	Eptam 7E**
Coarme Hedium/Fine	1 1/4-1/2	(pints) 214-312 214-312

Myse the higher rate of Govan Trifluralin for medium and fine soils in areas receiving more than 20" average annual rainfall. **Check the Eptam label for proper rate for your area.

SUGARCANE - (Plant Cane):

Apply and incorporate Gowan Trifluralin twice a year at a broadcast rate of 2 to 44 pints per acre for all soil textures. Make the

first application in the fall on firely packed beds immediately after the seed pieces are planted. Make the second application in the spring before or shortly after the cane emerges. Loosen rainpacked beds 2 to 3 inches deep before the apring application. Take carethat incorporation machinery does not damage the seed pieces or emerging shoots.

SUCARCAME - Postplant in Hawaii for control of most annual grasses, including guineagrass:

Surface apply Govan Trifluralin after planting (for plant cane) or after harvesting (for ration cane), before weeds and cane emerge. Use a broadcast rate of & to .8 pints per scre for all soil textures. In plant came, the beds should be formed or rolled before application. In ration came, the crop residue should be removed before application. If large amounts of crop resi are present are present, Goven Trifluralin will not be effective. Apply jus. osfore anticipated rainfell or sprinkle irrigate immediately after application. SUCARCANE - Applications up to layby for plant cane or ration cane grown in Louisiana or Texas:

Apply and incorporate Gowan Trifluralin at a broadcast rate of 2 to 4 pints per acre for all soil textures. Do this in the spring from before or shortly after the cane amerges up to layby. Apply the Govan Trifluralin after the beds have been shaved or false shaved. Loosedn rain-packed beds 2 to 3 inches deep before application. Be careful that incorporation machinery does not damage seed pieces or energing shoots. You may use a rolling cultivator or bed chopper to incorporate layby applications in sugarcane on all soil textures. Follow normal incorporation directions for the rolling cultivator. Set bad chopper to cut 3 to 4 inches deep and operate at 4 to 5 mph. Two incorporation passes are necessary.

SUGARCANE - Irdhgrass (Raoulgrass) control in Louisians: Apply and incorporate on either plant or ration cane at a broadcast rate of 3.2 pints per scre for all soil textures. Follow the directions arove for sugarcane layby application in Louisians and Texas.

Apply and incorporate in the apring or in the fall between October

1. Follow recommended soil preparation, application and incorporation procedures for Govan Trifluralin.

Broadcast Rates Per Acre

	Govan Tri	van Triiluralin 🌂	
	Areas receiving 4 20" average	Areas receiving >20" average	
Soil Texture	annual rainfall* (pints)	annual rainfall* (pints)	
	(hturs)	(bruca)	
Coarse		1	
Hedium	14-15	11/2	
Fine	ሀ <u>አ</u>	≟ 2.	

*Use 1/2 to -2 pints per scre on coarse and medium soils with 2-5% organic matter and 2 pints on all soils with 5-10% organic matter.

SUNFLOWER - Goven Trifluralin/Amiben tank mix or overlay: Follow recommended soil preparation, application and incorporation procedures for Goven Trifluralin.

Amthen may be applied in a bank or broadcast over sunflowers at planting in fields where Goven Trifluralin has been incorporated prior to planting. Or, the tank mix may be incorporated prior to planting. The tank mix imporves mustard, smartweed, velvetleaf, and ragueed control in addition to those weeds controlled by Gowan Trifluralin alone.
Apply Govan Trifluralin/Amiben or Govan Trifluralin with an Amiben

overlay at the following broadcast rates per acre:

Spil Texture	Gowan Trifluralin 4 (pints)	Amiben 25 (quarts)
Coarse	1	4
Xedium	1 ½	4 - 6*
Fine	ລັ	4 - 6*

*For best control of mustard, common regueed or black nightshade, use the 6 quart rate.

In coarse textured soils, heavy rains on the incorporated Amiben may move it below the weed seed germination zone, and erratic weed control may result. If sufficient rain does not fall within 7 days after a preemergence application of Amiben, but there is enough soil moisa present energy and present these small broadless weeks rotary hoe or similar tool will uproot these small broadless weeks and grasses. The shallow mixing of Amiben in the surface soil will not interfere with the action of Amiben when rains come.

SUNFLOWER - Gowan Trifluralin/Eptem tank mix for weed control in sunflower in the states of Minnesota, North Dakots and South Dakota: Govan Trifluralin/Eptam (EPTC) may be tank mixed and preplant incororsted for weed control in sunflower.

The tank wix controls the following annual and perennial weeds in addition to those controlled by Goven Trifluralin alone:

Annual Reeds

Ryegrass (Italian) Bermudagrass (seedling) Rescuertass Volunteer grains (Barley, oats, wheat) Wild oats

Rightshade, hairy Spurry, corn Fiddleneck Nettleleaf, monsefoot Sheohardsourse Pirveed, tumble

Rightshade, black

Morningglory, annual Perennial Weeds Bermudagrasa

Rutsedge, purple and yellow

Follow recommended soil preparation, application and incorporation procedures for Govan Trifluralin. Apply and immediately incorporate the tank mix prior to planting in the apring. The tank mix may also be applied in the late fall before the ground freezes.

Broadcast Rates Per Acre

	Coven			
•	Areas receiving 420" sverage	Areas receiving > 20" average	Epte	m 7E
Soil Texture	annual rainfall (pinta)	#nnusl rainfall (pints)	Spring (pints)	Pall (pints)
Coarse Medium	14-12	1/2	31; 31;	4 1/2 3
Tine	一名	a ·	312	3 74

Refer to the Eptam label for all cautions, precautions, etc., regarding use of the product.

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For direct-seeded tomato, apply Govan Trifluralin at blocking or thinning as a directed spray to the soil between rows and beneath the plants, and incorporate. For transplant tomato, apply and incorporate before transplanting. Do not apply after transplanting.

Broadcast Rotes per Acre

Govan Trifluralin 4

Soil Texture	Areas receiving 4.20" average annual reinfall*	Areas receiving >20" average annual rainfall*	
	- (pints)	(pints)	
Coarse Redium	14-17	14	
Fine www.	1/2	Ð.	

*Use \frac{1.5}{1.5} pints per acre on coarse and medium textured soils and 2 pints on time soils with 2-5% organic matter; use 2 pints on all soils with 5-10% organic matter.

FRUIT AND NUT CROPS AND VINEYARDS

For areas retriving more than 20" average annual rainfall. For new planting of vineyards, citrus and pecan trees, apply and incorporare Gowan Trifluralin before planting at a broadcast rate of 13 pint per acre, on coarse soils: 1/2 pint on medium soils: 1, pints on offine soils; 1/2 pints on fine soils with 2-51 organic matter; and 1 pints on soils with 5-101 organic matter. For non-bearing, established plantings of citrus and pecan trees and bearing plantings of grapefruit, lenon, orange, pecan, tangelo and tangerine trees, apply at a broadcast rate of 1 pints per acre for all soil textures.

In established plantings, apply Govan Trifluralin as a directed apray to the soil and use incorporation methods not injurious to the trees or vines.

FRUIT AND NUT CROPS AND VINEYARDS - Rhizome johnsongrass control:
For areas receiving less then 20" average annual Rainfall.
You can obtain commercially acceptable control of thizome johnsongrass with postplant applications in bearing and non-bearing
established plantings of vineyards and almond, apricot, grapefruit,
lemon, mectarine, orange, peach, pecan, tangelo, tangerine and walnut
trees with a Gowan Trifluralin program when applied for 2 years in
a row.

Soil Preparation - Work the soil thoroughly to bring the rhisomes nearer the surface.

Application - Apply Gowan Trifluralin at a broadcast rate of a quarts per acre on all soil textures each year for 2 years in a row. Do not apply to vineyards and within 60 days of harvest.

Incorporation - Incorporate thoroughly with a disc set to cut 4 to 6 inches deep and operate at 4 to 6 mph. Two incorporation passes are necessary, with the second pass in a different direction from the first.

Cultivation - Some johnsongrams plants will escape. Timely cultivations are necessary to obtain commercially acceptable control. You cannot obtain commercially acceptable control with only 1 year of Govan Trifluralin use.

Precautions: Do not use the Q quart rate on new plantings, or crop injury may result. Do not interplant orchards or wineyards with other crops. If the treated vineyards and orchards are diverted to other crop uses, plant only those crops for which Cowan Trifluration has been registered as a preplant treatment for the next cropping season.

FRUIT AND NUT CROPS AND VINEYARDS - Bindweed control in California: Govern Trifluralin can be used for the control of field bindweed in vineyards and for almond, apricot, grapefruit, lemon, nectarine, orange, peach, pecan, tangelo, tangerine and walnut trees. Apply at a broadcast rate of \(\forall \) pints per acre on all soil textures. Govern Trifluralin must be applied in the spring with a specially designed spray blade which applies a thin, concentrated layer at a soil depth of 4 to 6 inches. This layer of Govern Trifluralin prewents bindweed shoots from emerging.

Lend Preparation - Destroy all weeds and grasses with soil tillage before applying. This tillage is necessary to prevent trash from interfering with the operation of the apray blad

Equipment - This operation requires a spray blade capable of running 4 to 6 inches below the surface of the soil. The apray blade should be aguipped with nozzles located under the blade and directed so

that the apray will be trapped under the soil which is flowing over the balde as it is pulled through the soil. Use a sufficient number of nozzles with spacing that will uniformly apply the Govan Trifluralin underground in a thin, horizontal layer.

Application - Apply in 40 to 80 gallons of water per acre. Operate the apray blade at a depth of 4 to 6 inches.

Precaution: Some soils develop cracks as they dry after rainfall or irrigation. Field bindweed may emerge if the cracks extend through the Gowan Trifluralin layer. Prevent or eliminate cracks by shallow discing or other tillage. Avoid deep tillage which disturbs the subsurface layer. Cultivation or tillage also aids the control of germinating seeds.

WHEAT (WINTER) - (Idaho, Hontana, Oregon and Woshington)

Goven Trifluralin may be applied for preplant preemergence control cheatgrams and other annual grammes and broadlest weeds controlled by Goven Irifluralin. The growth, development and yield of vinter wheat will not be adversely affected, provided the seed is placed below the zone of soil treated with Goven Trifluralin. Apply any time during a period from 3 weeks up to immediately prior to planting. Broadcast at a rate of 12 pints per serie on coarse soils and medium soils and 2 pints on fine soils.

Incorporation Directions - Incorporate into the soil with a flexible time-tooth harrow (Flextine, Helroe) set to cut 1 to 2 inches deep and operate at 3 to 6 mph. Incorporate one time within 24 hours after application, followed by a second incorporation in a different direction from the first prior to planting. Do not till the soil with a disc after the Govan Trifluralin has been incorporated with a flexible time harrow.

Seeding Directions - Use only a deep furrow or memi-deep furrow drill that will place the seed below the zone of soil into which Gowan Trifluralin. has been incorporated.

Precaution: Wheat planted in direct contact with treated soil may suffer crop injury in the form of delayed emergence and development.

WEEAT (WINTER) - Fallow soil application in Washington and Oregon:
Govan Trifluralin applied and shallowly incorporated into fallow soil up to four months ahead of planting will control cheatgrass and certain annual grasses and broadlesi weeds. The growth, development, or yield will not be adversely affected as long as the seed is placed below the zone of soil treated with Govan Trifluralin.

Use deep or sami-drep furnow drills.

Broadcash rates at 1.2 pints per acre on coarse and medium soils and 1.6 pints on fine soils. Apply any time from Hay to September price to the fall planting of winter wheat.

Incorporation - Incorporate with a flexible tine-tooth harrow (Flextine or Helroe) set to cut 1 to 2 inches deep and operated at 3 to 6 mph. For thorough incorporation, two passes of the equipment in different directions over the field are necessary. Incorporate one time within 24 hours after application followed by a second incorporation prior to seeding Do not till the soil with a disc after Govan Trifluralin has been applied with a flexible time harrow.

Precaution: Use only deep furrow or semi-deep furrow drills. Place seed below the zone of soil into which Gowan Trifluralin has been incorporated. Do not plant wheat directly into the zone of soil treated, injury to the crop or delay in its emergence and development may occur.

WHEAT (SPRING), DURUM AND BARLEY - GOVAN TRIFLURALIN ALONE Govan Trifluralin is recommended as a postplant incorporated treatment to control foxtail (pigeongrass).

Apply at a broadcast rate of 1 pint per acre on coarse and medium soils and 1/2 pints on fine acils.

Plant 2 to 3 inches deep in a well-tilled seedbed. Apply Gowan Tri-

Plant 2 to 3 inches deep in a well-tilled seedbed. Apply Govan Trifluralin after seeding but before the crop energes. To incorporate use flex-tine or diamond harrows operated two times in different directions, at speeds of at least 5 mph. Incorporate by operating equipment 1 to 15 inches deep. Application and the first incorporation should be done in the same operation if possible. Both incorporations must be done within 24 hours.

WHEAT (SPRING), DURLY, BARLEY (FALL APPLICATION) - Foxtail/ Pigeopgrass control:

Govan Trifluralin may be fall applied for foxtail/pigeongraus control in spring wheat, durum and barley planted the following spring. Govan Trifluralin may be applied to ground that has a manageable trash level, has been fallowed or pre-tilled. The first incorporation is required within 24 hours after application. A second incorporation is required prior to planting to destroy emerged weeds and to ensure an even distribution of treated soil:

Broadcast Rates Per Acre

Incorporation Directions - Any of the following tools are recommended for fall incorporation. The disc or field cultivator may be used for the spring incorporation pass. Care should be taken to operate the tool at wore shallow depth than the fall incorporation.

- 1. Chisel ploc: Hay be used for the first pass only. Operate at 4 - 5 inches deep at 4 - 6 mpli. A chizel plow is defined as liaving 3 rows of up to 18-inch sweeps on no greater than 12inch centers. Stagger aveeps so that no soil is left unturned. 2. Tandem disc: Operate at 3 - 4 inches deep at 4 - 6 mph.
- 3. Field cultivator: Operate at 3 4 inches deep at 5 mph or

more. A field cultivator is defined as having 3 to 4 rows of sweeps with "c" or "s" shaped shanks, spaced 7 inches or less and staggered so that no soil is left unturned. Planting Directions - Wheat, durum, or barley should be approxi-

mately 2 inches deep.

Precaution - While, use of this preactice may result in a stand reduction, slight stund reductions do not normally affect yield.

WHEAT (SPRING), DURLH (UID BARLEY - Govern Trifluralin/Fer-Go tank

Gowan Crifluralin/Far-Go applied as a postplant incorporated treatment will rentrol foxtail (pigeongrass) and wild oat. Plant 2 to 3 inches day in a well-tilled seedbed. Apply Govan Trifluralin/Far-Gd after seedling but before crop energes. To incorporate, use flex-time or diamond harrows two times, operated in different directions; at speeds of at least 5 mph. Incorporate by operating equipment ? to 15 inches deep. Application and the

first Efforporation should be done in the same operation if possible, It not, incorporate immediately after application.

Broadcast Rrtes Par Acres

1.1.1	Govan Trifluralin		
	Barley	Far-Go	·
	Durum	Durum	
Soil Texture	Spring Wheat	Spring Wheat	Barley
	(pints)	(pints)	(sinta)
Course	l .	21/2	2
Hediua	١	a Ya	2
Fine	1/2	3 %	2
Danage dana 0.			

Precaution: Overapplication may result in crop injury. Read the Far-Go label carefully before using.

FLAX - FALL APPLICATION

Gowan Trifluralin may be applied and incorporated in the fall for weed centrel in spring seeded flax. Ground cover from existing weeds or previous crop should be at a manageable level so that there is no interference with incorporation.

Apply as the broadcast rates per acre of | pint for coarse soils; 1/2 pints for medium soils; and 2 pints for fine soils.

Incorporation Directions - Incorporate one time within 24 hours after application. The second incorporation should be performed in the spring prior to seeding flax. The incorporation operations should result in a thorough mixing of Govan Trifluralin with the soil. Otherwise, erratic weed control may result.

Incorporation Equipment - Use machinery that mixes Govan Trifluralin thoroughly with the soil. Recommended equipment includes: Disc - Set to cut 3-4 inches deep and operated in 2 different directions at 4 to 6 mph. A tandem or double-disc operated one time does not previde adequate incorporation.

Field Cultivator - Set to cut 3-4 inches deep and operated at 5 mph or more. The field cultivator used alone or in combination with the double-disc will provide effective incorporation providing the following instructions are used:

- Two passes over the field with a field cultivator with second pass running at an angle to the first. Do not set cultivator to cut deeper than 4 inches. Be sure a depth of not greater than 4 inches is maintained on the second pass since untrested
- soil may be turned up. Field cultivator used for the first pass and the double-disc used for the second pass.
- Double-disc used for the first pass and the field cultivator used for the second pass.

Note: A field cultivator is defined as an implement with 3 to 4 rows of sweeps spaced at intervals of 7 inches or less and staggered so that no soil is left unturned. Chisel points should not he weed.

Hulch treader and other similar disc-type implements - set to cut 3-4 inches deep and operated at 5 to 8 mph in two different direc-

Special Instructions for Flax

- 1. Incorporation operations or any other tillages performed in the spring prior to seeding should be relatively shallow so as to maintain a firm seedbed, and the seedbed should be packed just prior to seeding.
- 2. Seeding should be done with a press drill or hoe drill. Seed
- into a moist seedbed no more than 1.5 inches deep.
- 3. Flax should not be seeded until the seedbed has warmed up. Refer to the special precautions statement on this label regarding stresses that can lead to crop injury or yield reduction.

Note: Do not delay the first incorporation more than 24 hours after application.

ONIONS (Grown for Dry Bulbs Only):

Application Directions - Apply Gowan Trifluralin as a directed apray to the soil between the onion rows. Avoid raying the onion tops or exposed bulbs.

Prohervest Interval - Do not apply within 60 days of hervest.

Broadcast Rates Per Acre

Goven Triflurelin 4 Soil Texture (pints)

3/4-1 Coarse Medium 1-174

For band applications, use proportionately less Gowan Trifluralin Use the lower rates where light weed pressure is anticipated.

Incorporation Directions - Soil incorporation may be accomplished by operating sweep-type or rolling cultivators 2 to 4 inches deep at 6 to 8 mph. Incorporation equipment must mix Gowan Trifluralin Uniformly in the soil. Incorporate with two passes. The first pass must be within 24 hours of application or erratic weed control may result. Avoid covering exposed onion bulbs with treated soil during incorporation as injury to the crop may occur. Care should be taken to avoid injury to the roots during incorporation,

Precautions - Applied according to these directions and under normal growing conditions, Gowan Trifluralin will not adversely affect onions. Diseases, improper incorporation depth, excessive moisture, high salt concentration or drought may weaken the crop and increase the possibility of damage from Goven Trifluralin, Under these conditions, delayed crop development or reduced yields may result.

RAPESEED

Govan Trifluralin as a broadcast application will control certain annual grasses and broadleaf weeds in rapeseed.

For use in all states except Alaska: Follow recommended procedures for soil preparation and application for Govan Trifluralin. Govan Trifluralin may be applied in the fall or early spring prior to seeding. Set incorporation equipment to incorporate to a depth of 3 to 4 inches with equipment specified in this label.

Broadcast Rates Per Acre

Soil Texture Goven Trifluralin 4 (pints) ı Coarse 11/2 Kedium Fine J.

FERTILIZER USE DIRECTIONS APPLICATION WITH LIQUID FERTILIZERS

Govan Trifluralin may be mixed with most liquid fertilizer materials. The combination with solutions and suspension-type fertilizers has provided weed and grass control equal to the same rates of Gowan Trifluralin applied in water. Follow Gowan Trifluralin label recommendations regarding rates per acre, crops, incorporation directions, special instructions, cautions and special precautions. Individual state regulations relating to liquid fertilizer mixing, registration, labeling and applications are the responsibility of the individual and/or company selling the fertilizer and chemical

leating for Tank Hix Compatibility in Liquid Fertilizers: Gowan Trifluralin alone or in tank mixture with dry flowables wettable powders (MP), aqueous suspensions (AS), flowables, (F). liquids (L), or solutions (S) may not combine properly with some fluid fertilizer materials. Small quantities should always he tested before full-scale mixing. This will determine whether a compatibility agent is needed, and which agent does the best job. The seven agents listed below have been thoroughly tested. There are many other surfactants on the market which were not designed for use with liquid fertilizers. Use the following test to select the correct agent for your mixture.

1. Put 1 pint of the liquid fertilizer in a quart jar.
2. Add 1 to 4 teaspoonful(s) of the dry flowable, WP, AS, F, or L formulation (depending on the recommended rate per acre) to the liquid fertilizer. Close jar and agitate until the materials are dispersed evenly in the fertilizer. If the materials do not disperse well, it may be necessary to slurry the chemicals in water before adding to the fertilizer

3. After dispersing the materials (Step 2), add 3 to 4 teaspoonsful of Govan Trifluralin to the jar and shake well. Add solution herbicides to the mixture last and agitate. Observe the jar for about 10 minutes. If the materials rise to the surface and form a thick layer (oily curds) which will not redisperse when agitated, a compatibility agent is needed. If the mixture is easily redispersed to its original state with slight agitation, no agent is needed but good agitation must be provided in the fertilizer spray tank.

4. If the need for a compatibility agent is shown in Step 3: Using a clean quart jar, start at Step I above, add & teaspoon of the compatibility agent to the liquid fertilizer, mix well, then repeat Steps 2 and 3.

An effective compatibility agent will cause the mixture to remain uniformly mixed with little or no separating or oil rising to the surface for one half hour or longer. If slight separation does occur, 2 to 3 inversions of the jar should give a uniform remix. If oily curds form which will not redisperse, more agent or another agent should be tried.

Use a clesn jar for each test. The compatible mixture will have a uniform appearance and will be relatively easy to keep mixed with gentle agitation of the jar.

LIQUID FERTILIZER MIXING INSTRUCTIONS Gwan Trifluralin ' in liquid fertilizer Given Trilluralin in Iquid tertilizer

Emulaifiable concentrates, such as Goven Trifle in, can be mixed

with liquid fertilizers. In all cases, continuous agiestion is

required to prevent the Goven Trifluralin from rising to the surface as an cily layer. When necessary, (see Testing for Tank Mix Compa-tibility in Liquid Fertilizers, above) a compatibility agent can be used to cause the Govan Trifluralin to smulsify properly (i.e. have a milky appearance rather than an oily layer). The use of com partibility agents is especially important when tank mixing emulaifishle concentrates EC) with dry flowsbles, wettable powders (NP), aqueous suspensions (AS), flowables (F), liquids (L), or solutions (S) in liquid fertilizer. If the emulsion is not properly formed and the Goven Trifluralin rises to the surface of the fertilizer as an oil ("oils out") the oil may combine with the wettable powder, flowable, or suspension to form oily curds (viscous phase) which is difficult to redisperse. Any one of the compatibility agents listed below is helpful in causing liquid concentrates to form nonoiling mixtures with liquid fertilizers. These compatibility agents can be used at rates al low as 1/2 to 2 pints, per ton of liquid fertilizer and should be mixed well with the fertilizer before adding the liquid concentrate. Read the label on the compatibility agent and follow the directions.

- 1. Sponto 168D (Witco Chemicals Co., Chicago, IL)
- 2. Compat (Farm Chemicals, Inc., Aberdeen, NC)
- 3. Unite (Hopkins Ag Chemical, Madison, W1)
- 4. 1-Hulz 734-2 (Thompson-Hayward Chemical Co.)
- 5. Rigo Compatibility Agent (Rigo Company, Buckner, KY)
 6. Amoco Spray Hateth (Amoco Oil Co., Chicago, IL)
- 7. Kem-Link (Universal Coop, Minneapolis, MN)

All of the above are phosphate, ester-type surfactants designed to be used with liquid fertilizers. They usually do not work as compatibility agents in tank mixtures in plain water.

APPLICATION - Spread the fertilizer/pesticide mixture with a properly or. Be certain the material is applied uniformly calibrated applicate to the soil sura

INCORPORATION - Follow normal Goven Trifluralin incorporation procedures.

COMAN TRIFLURALIN 4 APPLICATION WITH DRY BULK FERTILIZERS Dry bulk fertilizers may be impregnated or coated with Govan Trifluralin. Application of dry bulk fertilizers impregnated with Goven Triflyrain has provided weed and grass control equal to the same rates of Goven Triflyrain applied in water. All Goven Trifluralin label recommendations regarding rates per acre, approved crops, incorporation, special instructions, cautions, and special precautions must be followed. Apply a minimum of 200 pounds per acre of dry fertilizer impregnated with Goven Trifluralin at the recommended Tates. Any commonly used dry fertilizers can be used for Govan Trifluralin impregnation except costed ammonium nitrate and straight limestone. These materisls will not absorb the herbicide. Blends containing mixtures of these materials can be impregnated.

Impregnation - Use any closed drim, belt, ribbon or other commonly used dry bulk fertilizer blender. Apply Govan Trifluralin uniformly to the fertilizer.

Rates - Check specific crop recommendations for the rate of Gowan Trifluralin per acre. See the rate table which follows to determine the amound of Gowan Trifluralin to be impregnated into a ton of dry bulk fertilizer based on the amount of fertilizer which will be applied per acre. (see rate chart below)

Application - Spread the fertilizer/chemical mixture with a properly calibrated applicator. Be certain the material is applied uniformly to the soil surface.

Incorporation - Follow Gowan Trifluralin incorporation precedures.

RATE CHART FOR INTREGNATING FERTILIZER WITH GOWAN TRIFLURALIN (Gowan Trifluralin Added to a TON of Fertilizer)

Fertilizer		Gowan Trifluralin . Rate Per Acre		ге	
Rate Per -	1 pint	1 ½ pints	2 pints	3 pints	4 pints
200 pounds	5 qls per lon	7½ qls per ton	10 Qts per ton	15 als per ton	20 qls per lon
250 pounds	4 qls perton	6 QIs per ton	8 qls per ton	12 qls per ton	16 als per ion
300 pounds	31/2 qls per ion	5 qls per lon	64) qts perton	10 qis per ion	131/1 Qls per ton
350 pounds	214 qts. per ton	4¼ qts perton	544 qls per ton	8½ qls per ton	11½ qts per ton
400 pounds	2½ qls per lon	3% ats per ton	5 qls per ton	7½ qls per lon	10 qts per ton
450 pounds	2 Kyais person	314 ots perton	41/2 qls per ton	614 qls per lon	9 qts per ton

For rates other than those listed above, use the following formula to calculate the amount of Gowan Trifluralin to be impregnated on a ton of dry bulk fertilizer:

Pints Gowan 1000 QUARTS GOVAN Trifluralin X lbs. fertilizer TRIFLURALIN PER per acre TON OF FERTILIZER per acre

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 fertilizer and chemical mixture.

SPECIAL PRECAUTIONS

Applied according to directions and under normal growing conditions. Govan Trifluralin will not harm the treated crop. Overapplication may result in crop injury or a soil residue. Uneven application or improper soil incorporation of Gowan Triflyralin can result in erretic weed control or crop injury. Seedling disease, cold weather, deep planting, excessive moisture, high salt concentration or drought may weaken crop seedlings and increase the possibility of damage from Goven Trifluralin. Under these conditions, delayed crop devel-Opment or reduced yields may result. Next Co. Oregon, California, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington and Wyoming, Sugarbeets, red beets, or spinach should not be planted for 12 months after a spring applitation or for 14 months after a fall application. Plow the land to a depth of 12 inches prior to planting augur beets to prevent the possibility of crop injury. Sorghum (mile), prose millet, corn or ests should not be planted for 14 months after a spring application or for 16 months after a fall application to avoid crop injury. If land has not been irrigated, do not plant any of these crops for 15 months after a spring application or 20 months after a fall ap-Plication.

In those portions of Kansas Nebrasks, North Dekots, Oklahoma, South Dakota and Texas where at least 20 inches of irrigation will A trainfall (total) was used to produce the crop, sorghum or oats about not be planted for 12 months after an application. If less than 20 inches of total water was used to produce the crop, do not plant sorghum, proso millet, or osts for 18 months after an application. Cool, wet weather conditions Whing the early stage of growth may increase the possibility of injury to sorghum, In all other stess receiving greater than 20" tainfall/yeat;

Moldboard plow before planting sugar bests where a spring application of Goven Trifluralin was made the previous season. Also costs planting restrictions listed in the section on control of rhipping john-

Vegetable Growing Areas: Vegetable crops other than those listed on this label should not be planted within 5 months following the application of Goven Trifluralin