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US ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (75-767) WASHINGTON, DC 20460 NOTICE OF PESTICIDE: ☒ REGISTRATION ☐ REREGISTRATION <i>(Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended)</i>	EPA REGISTRATION NO. 33660-33 TERM OF ISSUANCE Conditional NAME OF PESTICIDE PRODUCT Flutrix 4EC	DATE OF ISSUANCE AUG 22 1988
NAME AND ADDRESS OF REGISTRANT (Include ZIP code) ☐ Industria Prodotti Chimici, S.p.A. (I.Pi.Ci.) Via F. Beltrami, 11 20026 Novate Milanese Italy		
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 FIFRA section 3(c)(7)(A) provided that you: 1. Submit/cite all data required for registration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data. 2. Add the phrase "EPA Registration No. 33660-33" to your label when you release the product for shipment. 3. Submit one (1) copy of your final printed label to the Agency when you release the product for shipment. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 3(c). Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your record.		
BEST AVAILABLE COPY Richard E. Mountfort Product Manager (15) Pesticide Registration Branch Registration Division (75-767) Enclosure ☐ ATTACHMENT IS APPLICABLE		
SIGNATURE OF APPROVING OFFICIAL <i>Richard E. Mountfort</i>		AUG 22 1988

FLUTRIX 4 EC

EMULSIFIABLE CONCENTRATE

**SELECTIVE HERBICIDE
FOR THE PRE-EMERGENCE CONTROL
OF ANNUAL GRASSES AND
BROADLEAF WEEDS**

**ACCEPTED
with COMMENTS
in EPA Letter 33660-33**

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, this product is
registered under EPA Reg. No.

ACTIVE INGREDIENT:

TRIFLURALIN: alpha, alpha, alpha-trifluoro-2,6-dinitro

N,N-dipropyl-p-toluidine

INERT INGREDIENTS:

33660-33
46.0%
54.0%
TOTAL 100.0%

Contains 4 pounds of active ingredient per gallon.

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

See Side Panel For Additional Precautionary Statements

EPA EST. NO. 33660-IT

EPA REG. NO. 33660

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Industria Prodotti Chimici, S.p.A.
Via F. Beltrami, 11
20026 Novate Milanese
Italy

PRECAUTIONARY STATEMENT HAZARDS TO HUMANS AND DOMESTIC ANIMALS **CAUTION**

Harmful if swallowed, inhaled or absorbed through the skin. Avoid breathing spray or applying, wear protective clothing such as goggles and rubber gloves. Wash thoroughly with soap and water. Remove contaminated clothing and wash before reuse.

STATEMENT OF PRACTICAL TREATMENT

If swallowed: Call a physician. Drink 1 or 2 glasses of water to induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person. If inhaled: Remove victim to fresh air. Get medical attention. If in eyes: Immediately flush with plenty of water. Get medical attention. If on skin: Wash with plenty of soap and water. Get medical attention.

ENVIRONMENTAL HAZARD

This pesticide is toxic to fish. Do not apply directly to water (swamps, bogs, or marshes). Drift or runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment and containers.

PHYSICAL AND 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 product in a manner inconsistent with its labeling. **DO NOT APPLY THIS PRODUCT TO ANY TYPE OF IRRIGATION SYSTEM.** Refer to additional labeling for FLUTRIX 4 EC and read all directions carefully.

STORAGE AND DISPOSAL

STORAGE: Avoid freezing. Store above 40°F. If frozen, product may result. Do not store near heat or open flame.
PESTICIDE DISPOSAL: Do not contaminate water, soil, or food with storage or disposal. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal site.
CONTAINER DISPOSAL: Do not reuse empty container (or equivalent). Then offer for recycling or reconditioning, or dispose of in a sanitary landfill, or incineration, or by other means approved by state and local authorities, by burning. If burned, contain fire.

BEST AVAILABLE COPY

SELECTIVE HERBICIDE FOR THE PRE-EMERGENCE CONTROL OF ANNUAL GRASSES AND BROADLEAF WEEDS

ACTIVE INGREDIENT:

TRIFLURALIN, alpha, alpha, alpha-trifluoro-2,6-dinitro-
N,N-dipropyl-p-toluidine 46.03
INERT INGREDIENTS 54.02

TOTAL 100.0%

Contains 4 pounds of active ingredient per gallon.

KEEP OUT OF REACH OF CHILDREN CAUTION

See Page 3 For Additional Precautionary Statements

EPA EST. NO. 33660-IT- EPA REG. NO. 33660-

—Beans	(Dry, Castor, Guar, Mungbeans, Lima, Snap)	11
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—Celery		13
—Cole crops	(Broccoli, Brussels sprout, Cabbage, Cauliflower)	13
—Cotton		13
—Cucurbits	(Cantaloupes, Cucumbers, Watermelons)	16
—Greens	(Turnipgreens, Kale, Mustardgreens)	16
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—Peppers		18
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PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Harmful if swallowed, inhaled or absorbed through the skin. Avoid contact with skin, eyes or clothing. Avoid breathing spray mist. When handling or applying wear protective clothing such as goggles or face shield and rubber gloves. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

STATEMENT OF PRACTICAL TREATMENT

If swallowed: Call a physician. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.
If inhaled: Remove victim to fresh air. Get medical attention.
If in eyes: Immediately flush with plenty of water. Get medical attention.
If on skin: Wash with plenty of soap and water. Get medical attention.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Do not apply directly to water or wetlands (swamps, bogs, or marshes). Drift or runoff from treatment areas may be hazardous to aquatic organisms in the adjoining aquatic sites. Do not contaminate water when disposing of equipment washwaters.

PHYSICAL AND CHEMICAL HAZARDS

Do not use or store near heat or open flame.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. DO NOT APPLY THIS PRODUCT THROUGH ANY TYPE OF IRRIGATION SYSTEM. Read all directions for use of FLUTRIX 4 EC carefully before applying.

STORAGE AND DISPOSAL

STORAGE: Avoid freezing. Store above 40°F. If frozen, pour weed control may result. Do not store near heat or open flame.
PESTICIDE DISPOSAL: Do not contaminate water, food or feed by storage or disposal. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.
CONTAINER DISPOSAL: Do not reuse empty containers. Triple rinse (or equivalent). Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill or incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

GENERAL INFORMATION

FLUTRIX 4 EC is a pre-emergence herbicide which is incorporated into the soil to provide long-lasting control of annual grasses and broadleaf weeds. It controls weeds by killing the seeds as they germinate. It does not control established weeds. Incorporation of FLUTRIX 4 EC assures effective control regardless of weather conditions and permits shallow cultivation, rotary hoeing and hand hoeing without reducing its weed control activity.

WEEDS AND GRASSES CONTROLLED

GRASSES		BROADLEAF WEEDS	
Annual bluegrass	Poa Annua	Carpenterweed	Mollugo verticillata
Barnyardgrass		Chickweed	Stellaria media
(Watergrass)	Echinochloa sp.	Field Bindweed	Convolvulus arvensis
Brachiaria		Florida pusley	
(Signalgrass)	Brachiaria sp.	(Florida purslane)	
Bromegrass		Mexican clover	
(Cheese)		Pusley	Richards scabre
Doan's brome	Bromus tectorum	Goosefoot	Chenopodium
Cheat (Cheese)	Bromus secalinus		hybridum
Crabgrass (Large)		Henbit	Larrea ambigua
crabgrass; Smooth		Kingweed	Polygonum aviculare
crabgrass;	Digitaria sp.	Redtop	Polygonum persicaria
Fall panicum	Panicum dichotomum	Redtop	Polygonum persicaria
Foris (Bottlegrass)		Redtop	Polygonum persicaria
Bottlegrass		Redtop	Polygonum persicaria
Green foxtail		Redtop	Polygonum persicaria
Green foxtail		Redtop	Polygonum persicaria
Pigeongrass		Redtop	Polygonum persicaria
Robust foxtail		Redtop	Polygonum persicaria
Yellow foxtail	Setaria sp.	Redtop	Polygonum persicaria
Goosegrass (Silver)		Redtop	Polygonum persicaria
crabgrass (Silver)		Redtop	Polygonum persicaria
Bluegrass		Redtop	Polygonum persicaria
Wiregrass		Redtop	Polygonum persicaria
Yardgrass		Redtop	Polygonum persicaria
Gumgrass	Elymus indica	Redtop	Polygonum persicaria
Johnsongrass	Panicum maximum	Redtop	Polygonum persicaria
(Seedling and		Redtop	Polygonum persicaria
Rhizome)		Redtop	Polygonum persicaria
Junglegrass	Sorghum halepense	Redtop	Polygonum persicaria
Reedgrass	Echinochloa col.	Redtop	Polygonum persicaria
(Meadow)		Redtop	Polygonum persicaria
Sandbar (Burgess)	Ranunculus acris	Redtop	Polygonum persicaria
Sprangletop	Conchocarpus acris	Redtop	Polygonum persicaria
Stinggrass	Lappula alba	Redtop	Polygonum persicaria
(Lawngrass)	Eragrostis ciliaris	Redtop	Polygonum persicaria
Teas panicum		Redtop	Polygonum persicaria
(Buffalograss)		Redtop	Polygonum persicaria
Colorado grass	Panicum texanum	Redtop	Polygonum persicaria
Wild cane		Redtop	Polygonum persicaria
(Shenandoah)	Sorghum bicolor	Redtop	Polygonum persicaria

FLUTRIX 4 EC will not control certain resistant weeds such as Cocklebur, Jimsonweed, Ragweed, Velvetleaf, Nutsedge.
FLUTRIX 4 EC in mixture with other products will control the following additional weeds:
FLUTRIX 4 EC /SENCOR® OR LEXONE® TANK-MIX
 (see Soybean section for instructions)

In soybean	
Jimsonweed	Datura stramonium
Mallow, Venice (Flower-of-an-hour)	Hibiscus trionum
Mustard, wild (Charlock, Field Mustard)	Brassica kaber
Prickly sida (Teeweed, Spiny sida)	Sida spinosa
Ragweed, common	Ambrosia artemisiifolia
Sesbania, hemp (Coffeebean, Indigo)	Sesbania exaltata
Smartweed, annual (Pennsylvania smartweed, Smartweed)	Polygonum pennsylvanicum
Velvetleaf (Butterprint, Buttonweed, Cottonweed, Elephant's ear, Indian mallow, Piermarker)	Abutilon theophrasti

Control of Cocklebur, Morning glory and Giant Ragweed may be erratic ranging from poor to excellent depending upon soil temperature, time of weed germination, depth of weed seed in the soil and amount and timing of soil moisture. Control may be improved with timely cultivation.

FLUTRIX 4 EC /SCEPTER® PREPLANT TANK-MIX OR OVERLAY
 (see Soybean section for instructions)

In Soybean	
Cocklebur (Common)**	Xanthum strumarium
Jimsonweed	Datura stramonium
Morningglory (Pitted)	Ipomoea lacunosa
(Smallow)	Jacquemontia tamnifolia
Mustard (Wild)	Brassica kaber
Nightshade (Eastern black)	Solanum nigrum
Pigweeds (Palmer)**	Amaranthus palmeri
(Smooth)**	Amaranthus hybridus
(Tail waterhemp)**	Amaranthus tuberculatus
Poinsettia (Wild)**	Euphorbia heterophylla
Ragweed (Common)	Ambrosia artemisiifolia
(Giant)	Ambrosia trifida
Smartweed (Ladysthumb)	Polygonum persicaria
Smartweed (Pennsylvania)	Polygonum pennsylvanicum
Sunflower (Common)	Helianthus annuus
Velvetleaf*	Abutilon theophrasti
Venice Mallow	Hibiscus trionum

*Controlled by preplant incorporated treatments only.
 **May also be controlled by preplant incorporation with FLUTRIX 4 EC followed by postemergence treatment with Scepter.

FLUTRIX 4 EC /EPTAM® TANK-MIX
 (see Drybean section for instructions)

In drybean and potato	
Henbit	Lamium amplexicaule
Nightshade, black	Solanum nigrum
Nightshade, hairy	Solanum elaeagnifolium
Nutsedge (Nutgrass, Purple nutsedge, Yellow nutsedge)	Cyperus sp
Wild oat	Avena fatua

FLUTRIX 4 EC /AMIBEN® TANK-MIX AND OVERLAY
 (see Soybean and Sunflower sections for instructions)

In soybean and sunflower	
Coffeeweed	Sesbania exaltata
Mustard, wild	Brassica kaber
Nightshade, black	Solanum nigrum
Prickly sida (Teeweed)	Sida spinosa
Ragweed, common	Ambrosia artemisiifolia
Spurge, annual	Euphorbia maculata
Smartweed, pennsylvania	Polygonum pennsylvanicum
Stinkgrass	Eragrostis ciliaris
Velvetleaf (Buttonweed)	Abutilon theophrasti

FLUTRIX 4 EC /CAPAROL® TANK-MIX
 (see Cotton section for instructions)

In cotton	
Smartweed	Polygonum pennsylvanicum
Prickly sida (Teeweed)	Sida spinosa
Annual morning glory	Ipomoea sp
Ragweed, common	Ambrosia artemisiifolia
Groundcherry, annual	Physalis sp
Mustard, wild	Brassica kaber
Malva	Malva sp
Wild oat	Avena fatua

The tank-mix also controls shallow germinating seedlings of Cocklebur and Coffeeweed.

FLUTRIX 4 EC /COTORAN® TANK-MIX OR OVERLAY
 (see Cotton section for instructions)

In cotton	
Cocklebur	Xanthum strumarium
Goathead	Trifolium terrestris
Groundcherry, annual	Physalis sp
Jimsonweed	Datura stramonium
Morning glory, annual	Ipomoea sp
Prickly sida	Sida spinosa
Ragweed	Ambrosia artemisiifolia
Ryegrass	Lolium sp
Sesbania	Sesbania exaltata

APPLICATION DIRECTIONS

FLUTRIX 4 EC is an emulsifiable concentrate which must be mixed with water and applied as a spray before or in the same operation as soil incorporation.

GROUND APPLICATION

Apply in 5 to 40 gallons of water/acre (broadcast basis) using any properly calibrated low-pressure sprayer that will uniformly apply the spray. Pour the recommended amount of product into the spray tank during the filling operation and mix thoroughly before spraying. As the amount of water decreases, the importance of accurate calibration and uniform application increases. Check the sprayer daily.

Do not apply the herbicide to soils which are wet or in poor condition or to soils which are subject to prolonged periods of flooding.

AERIAL APPLICATION

For best results apply to a dry soil surface at a spray volume of from 5 to 10 gallons/acre. Adjust pump pressure, nozzle arrangements, flying speed and height to provide uniform application. Use markers or flagmen to assure proper application spray widths.

Do not apply when the wind is blowing at a velocity of 5 mph or greater.

INCORPORATION

Before planting
 For best results the herbicide must be incorporated within 24 hours after application. A second incorporation is required at any time prior to planting using the equipment in a different direction than the first. Incorporation should place the product into the top 2 or 3 inches of the final seedbed. Variable weed control may result from delayed incorporation - the herbicide is applied to a wet, warm soil surface or if the wind velocity is 40 mph or higher. After planting

When incorporating after planting (check crops approved for incorporation after planting), use PTO-driven equipment or Rolling Cultivators and adjust to till the soil over the seed or throw treated soil toward the crop. Avoid disturbing the seed or mechanically damaging the crop.

In bedded culture
 For effective weed control in bedded culture the product should be incorporated in to the top 2 to 3 inches of the final seedbed. Knock off beds to planting height before application and incorporation on bedded ground. Avoid removal of treated soil from the seedbed before or during the planting operation. This will expose untreated soil and allow weeds to germinate in the drill row. Equipment.

For incorporation use machinery which pulverizes large clods and mix the herbicide thoroughly with the soil. Thorough incorporation may be achieved with the following: Disc, set to cut 4 to 6 inches deep and operated in two different directions at 4 to 6 mph. Field Cultivator, set to cut 3 to 4 inches deep and operated at 5 mph or more. Rolling Cultivator, set to cut 2 to 4 inches deep

Sicklepod	Cassia obtusifolia
Smartweed	Polygonum pennsylvanicum
Turnbush	Amaranthus albus
Velvetleaf	Abutilon theophrasti

FLUTRIX 4 EC PREPLANT FOLLOWED BY KARMEK® OVERLAY
 (see Cotton section for instructions)

In cotton:	
Dogfennel	Eupatorium capillifolium
Groundcherry, annual	Physalis sp
Morning glory, annual	Ipomoea sp
Pennycress	Thlaspi sp
Ragweed	Ambrosia artemisiifolia
Shepherdspurse	Capsella bursa pastoris
Velvetgrass	Hulcus lanatus
Wild lettuce	Lactuca sp
Wild mustard	Brassica kaber

FLUTRIX 4 EC /VERNAM® TANK-MIX
 (see Soybean and Peanut sections for instructions)

In soybean and peanut	
Morning glory, annual	Ipomoea sp
Coffeeweed	Sesbania exaltata
Purple nutsedge	Cyperus rotundus
Yellow nutsedge	Cyperus esculentus
Velvetleaf	Abutilon theophrasti

FLUTRIX 4 EC /MADEX® TANK-MIX
 (see Peas and Wheat sections for instructions)

In peas and spring wheat	
Wild oat	Avena fatua

SOIL PREPARATION

A good soil preparation is essential for best results. Destroy existing weeds before herbicide application. Chop and thoroughly mix crop residues into the soil to a depth of at least 4 to 6 inches by deep plowing or disking before application. Use machinery that breaks up large clods.

SOIL TEXTURE

Before application determine soil texture in order to apply the correct rate. Rates given in this booklet refer to the following soil texture groups:
 Coarse soils: sand, loamy sand, sandy loam.
 Medium soils: loam, silty clay loam, silt loam, silt, sandy clay loam.
 Fine soils: 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. If silty clay loam or sandy clay loam soils are predominantly sand or silt, they are usually classified as medium textured soils. If they are predominantly clay, they are usually classified as fine textured soils.

and operated two times at 6 to 8 mph (adequate for use on coarse and medium textured soils only). Bed Conditioner, set to cut 2 to 4 inches deep and operated one time at 4 to 6 mph (adequate for use on coarse and medium textured soils only). Mulch Treader and other similar disc-type implements, set to cut 3 to 4 inches deep and operated at 5 to 8 mph in two different directions. PTO-driven equipment (tillers, cultivators, hoes) set to cut 2 to 3 inches deep with rotors spaced to provide a clean sweep of the soil and operated one time (they should not be operated at a speed greater than 4 mph).

APPLICATION WITH LIQUID FERTILIZERS

FLUTRIX 4 EC may be mixed with most liquid fertilizers. The mixture has provided weed and grass control equal to the same rate of FLUTRIX 4 EC applied in water.

All individual state regulations relating to fluid fertilizer mixing, registration, labeling and application, are the responsibility of the individual and/or company selling the fertilizer and chemical mixture.

FLUTRIX 4 EC alone or in tank-mixture may not combine properly with some fluid fertilizer material. Therefore, it is necessary to determine whether a compatibility agent is needed and which agent works properly testing small quantities before full-scale mixing.

- Put 1 pt. of fertilizer mixture in a quart jar.
- Add 1 to 4 teaspoonfuls of the formulation which must be mixed to the liquid fertilizer (depending on the recommended rate/acre).
- Close jar and agitate until the materials are dispersed evenly in the fertilizer. If the materials do not disperse well, slurry the chemicals in water before adding to the fertilizer.
- Add 3 to 4 teaspoonfuls of FLUTRIX 4 EC to the jar and shake well.
- Watch the mixture for about 10 minutes. If the mixture does not separate, or if agitation is only required to resuspend, the combination may be used. If the mixture separates, gets very thick or syrupy, DO NOT combine for field application. A compatibility agent is needed.
- Mixing ability may be improved by adding a compatibility agent. Follow the procedure outlined above and add 0.1 teaspoonful of the compatibility agent in step 2. Complete the other steps to determine if the compatibility agent solves the problem.

The use of compatibility agents is especially important when tank mixing emulsifiable concentrates with dry flowables, wettable powders, aqueous suspensions, flowables, liquids or solutions in liquid fertilizers.

If a compatibility agent is needed, add it to the fluid fertilizer before adding the FLUTRIX 4 EC alone or in mixture.

Any one of the compatibility agents listed below is helpful in causing liquid concentrates to form non-oiling mixtures with liquid fertilizers. These compatibility agents can be used at rates as low as 1 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.

Rate Chart for Impregnating Fertilizer with FLUTRIX 4 EC					
Fertilizer	FLUTRIX 4EC added to a ton of fertilizer				
Rate Per Acre	1 pint	1 1/2 pints	2 pints	3 pints	4 pints
200 pounds	5 qts./ton	7 1/2 qts./ton	10 qts./ton	15 qts./ton	20 qts./ton
250 pounds	4 qts./ton	6 qts./ton	8 qts./ton	12 qts./ton	16 qts./ton
300 pounds	3 1/2 qts./ton	5 qts./ton	6 1/2 qts./ton	10 qts./ton	13 1/2 qts./ton
350 pounds	2 3/4 qts./ton	4 1/4 qts./ton	5 1/2 qts./ton	8 1/2 qts./ton	11 1/2 qts./ton
400 pounds	2 1/2 qts./ton	3 3/4 qts./ton	5 qts./ton	7 1/2 qts./ton	10 qts./ton
450 pounds	2 1/4 qts./ton	3 1/2 qts./ton	4 1/2 qts./ton	6 1/2 qts./ton	9 qts./ton

For rates other than those listed above, use the following formula to calculate the amount of FLUTRIX 4 EC to be impregnated on a ton of dry bulk fertilizer:

$$\text{Pints of FLUTRIX 4 EC per acre} \times \frac{1000}{\text{Lbs. Fertilizer/acre}} = \text{Quarts FLUTRIX 4 EC /ton of Fertilizer}$$

DIRECTIONS FOR USE

Where applicable, rates are given for Eastern United States and Western United States. The dividing line between Eastern and Western States is the point where the average rainfall/year is a minimum of 20 to 25 inches.

Rates are given for broadcast application; for band application use proportionally less amount of product.

ALFALFA (Established)

Use restricted to Western US only.

Apply to established alfalfa stands at a broadcast rate/acre of 1 1/2 pts. on coarse soil and 2 pts. on medium and fine soils. Use incorporation equipment that will ensure thorough soil mixing with a minimum of damage to the established alfalfa.

BEANS

DRY BEANS--CASTOR BEANS

Apply and incorporate before planting at the following

Soil Texture	Broadcast rate/acre	
	Eastern US	Western US
Coarse	1 pt.	1 pt.
Medium	1 1/2 pts	1 1/2-1 3/4 pts
Fine	2 pts	1 1/2 pts
2 to 5% organic matter	1 1/2 pts	1 1/2-2 pts
5 to 10% organic matter	2 pts	2 pts

- Sponit 168D (Witco Chemicals Co., Chicago, IL)
- Compat (Farm Chemicals, Inc., Aberdeen, NC)
- Unite (Hopkins Ag Chemical, Madison, WI)
- T-Mulz 734-2 (Thompson-Hayward Chemical Co.)
- Rigo Compatibility Agent (Rigo Company, Buckner, KY)
- Amoco Spray Mate (Amoco Oil Co., Chicago, IL)
- 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.

Follow normal application procedures to apply and incorporate.

APPLICATION WITH DRY BULK FERTILIZERS

Dry bulk fertilizers may be impregnated or coated with FLUTRIX 4 EC. Application of dry bulk fertilizers impregnated with FLUTRIX 4 EC has provided weed and grass control equal to the same rates of FLUTRIX 4 EC applied in water.

All FLUTRIX 4 EC label recommendations regarding rates/acre, approved crops, incorporation, special instructions, cautions and special precautions must be followed. 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.

Limitations

Apply a minimum of 200 pounds/acre of dry fertilizer impregnated with FLUTRIX 4 EC at the recommended rates. Any commonly used dry fertilizer can be used for FLUTRIX 4 EC impregnation except coated ammonium nitrate and straight limestone. These materials will not absorb the herbicide. Blends containing mixtures of these materials can be impregnated.

Impregnation

Use any closed drum, belt, ribbon or other commonly used dry bulk fertilizer blender. Provide uniform spray coverage of FLUTRIX 4 EC on to the fertilizer.

Rates

Check the crop section to determine the rate of FLUTRIX 4 EC /acre. See the rate table which follows to determine amount of FLUTRIX 4 EC to be impregnated on a ton of dry bulk fertilizer based on the amount of fertilizer which will be applied/acre.

Application

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

Incorporation

Follow normal incorporation procedures.

Fall application

For dry beans grown in Idaho, Oregon, Washington only, apply any time between October 15 and December 31 at a broadcast rate/acre of 1 pt. on coarse soil, 1 1/4-1 1/2 pts. on medium soil, 1 1/2 pts. on fine soil.

FLUTRIX 4 EC /EPTAM® TANK-MIX

FOR DRY BEANS

Apply from two days before planting (up to planting in the Eastern US) at the following

Soil Texture	Broadcast rate/acre		EPTAM 7E
	FLUTRIX 4 EC Eastern US	FLUTRIX 4 EC Western US	
Coarse	1 pt.	1 pt.	2 1/2-3 1/2 pts
Medium	1 1/2 pts	1 1/4-1 1/2 pts	2 1/2-3 1/2 pts
Fine	2 pts	1 1/2 pts	2 1/2-3 1/2 pts
2 to 5% organic matter	1 1/2-2 pts	1 1/2-2 pts	2 1/2-3 1/2 pts
5 to 10% organic matter	2 pts	2 pts	2 1/2-3 1/2 pts

Precautions: this combination should not be used on soybeans, black-eyed peas (beans), lima beans and other flatpods except Romano beans. Do not use the foliage from a crop treated with this tank-mix for feed or for grazing.

Observe all directions, precautions and limitations on both products labeling.

GUAR BEANS--MUNG BEANS

Apply and incorporate before planting at a broadcast rate/acre of 1 pt. on coarse soil, 1 1/2 pts. on medium and fine soils.

LIMA BEANS--SNAP BEANS

Apply and incorporate before planting at a broadcast rate/acre of 1 pt. on coarse and medium soils and 1 1/2 pts. on fine soil.

CARROTS

Apply and incorporate before planting at the following

Soil Texture	Broadcast rate/acre	
	Eastern US	Western US
Coarse	1 pt.	1 pt.
Medium	1 1/2 pts	1 1/4-1 1/2 pts
Fine	2 pts	1 1/2 pts
2 to 5% organic matter	1 1/2 to 2 pts	1 1/2-2 pts
5 to 10% organic matter	2 pts	2 pts

CELERY

Both direct-seeded and transplant

Apply and incorporate before planting or transplanting at the following Broadcast rate/acre

Soil texture	Broadcast rate/acre	
	Eastern US	Western US only
Coarse	1 pt	1 pt
Medium	1½ pts	1½-1¾ pts
Fine	2 pts	1½ pts
2 to 5% organic matter	1½ pts	1½-2 pts
5.1 to 10% organic matter	2 pts	2 pts

COLE CROPS

BROCCOLI, BRUSSELS SPROUT, CABBAGE, CAULIFLOWER

For transplants, apply and incorporate before transplanting at the following

Soil texture	Broadcast rate/acre	
	Eastern US	Western US
Coarse	1 pt	1 pt
Medium	1½ pts	1½-1¾ pts
Fine	2 pts	1½ pts
2 to 5% organic matter	1½ pts	1½-2 pts
5.1 to 10% organic matter	2 pts	2 pts

For direct-seeded, apply and incorporate before planting at the following

Soil texture	Broadcast rate/acre	
	Eastern US	Western US
Coarse	1 pt	1 pt
Medium	1½ pts	1 pt
Fine	1½ pts	1 pt
2 to 5% organic matter	1½ pts	—
5.1 to 10% organic matter	—	1½ pts

Direct-seeded cole crops have exhibited marginal tolerance to recommended rates. Stunting or reduced stands may occur.

COTTON

Pre-emergence application.

Apply and incorporate before planting, at planting or immediately after planting at the following

Carolina, Tennessee and Southern Virginia, apply FLUTRIX 4 EC, pre-plant at a broadcast rate/acre of 1-1½ pts on coarse soil, 1½-2 pts on medium soil, 2 pts on fine soil (3 pts in Louisiana).

For a more complete control of all listed grasses and weeds in counties along the Texas Gulf Coast (limited to Brazoria, Calhoun, Chambers, Fort Bend, Galveston, Harris, Jackson, Jefferson, Liberty, Matagorda, Orange, Victoria, Waller and Wharton), apply up to 2 weeks before planting at a broadcast rate/acre of 1½ pts on coarse soil, 2 pts on medium soil, 3 pts on fine soil.

Precautions: cotton should be planted after early season adverse weather conditions have passed especially when using higher rate programs.

FLUTRIX 4 EC /CAPAROL® TANK-MIX

For cotton grown in California, Arizona, New Mexico and Texas, apply to the flat soil surface before disking at the following

Soil Texture	Broadcast rate/acre	
	FLUTRIX 4 EC	CAPAROL 80 W
Coarse	1 pt	2 lbs*
Medium	1½ pts	2½ lbs
Fine	2 pts	2½ lbs

*Do not use on sand and loamy sand soils. For band application the use should apply proportionally less.

Carefully follow the procedures on the Caparol label for making a slurry and adding it to a partially filled tank of water. After the Caparol is well mixed add the FLUTRIX 4 EC and agitate continuously.

Precautions: do not use this tank-mix in the cut areas of newly leveled fields in areas of excess salt and where flooding over the beds is likely to happen. Crop rotation.

—Cabbage, okra, onion, peas may be planted in the fall after a spring application of the mixture.

—Winter barley, winter rye and winter wheat can be planted in the fall also if they are plowed down and not used for food or feed.

Observe all directions, precautions and limitations on both products' labeling.

FLUTRIX 4 EC /COTORAN® TANK-MIX

Except in Arizona and California

Apply and incorporate at the following

Soil texture	Broadcast rate/acre	
	FLUTRIX 4 EC	COTORAN 80 W
Coarse	1 pt	1½ lbs
Medium	1½ pts	2 lbs
Fine	2 pts	2½ lbs

Use 15-40 gallons of clean water/acre

Carefully follow the procedures on the Cotoran label for making a slurry and adding it to a partially filled tank of water. After the Cotoran is well mixed add the FLUTRIX 4 EC and agitate continuously.

Soil texture	Broadcast rate/acre	
	Eastern US	Western US
Coarse	1 pt	1 pt
Medium	1½ pts	1½-1¾ pts
Fine	2 pts	1½ pts
2 to 5% organic matter	1½ pts	1½-2 pts
5.1 to 10% organic matter	2-2½ pts	2 pts

When incorporating after planting care must be taken not to disturb the seed. Post-emergence application.

Apply any time up to layby but not less than 90 days before harvest. Direct layby applications to the soil between the rows and beneath emerged cotton plants. Use the same rates as for pre-emergence application.

Fall application.

Any time from October 15 to December 31

—In Alabama, Arkansas, Northern Florida, Georgia, Louisiana, Mississippi, SE Missouri, North Carolina, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, apply and incorporate at a broadcast rate/acre of 2 pts on coarse and medium soils and 2½ pts on fine soil.

—In Arizona, California, Nevada, apply and incorporate at a broadcast rate/acre of 1½ pts on coarse soil, 2 pts on medium soil, 2½ pts on fine soil.

—In states other than those listed above, apply and incorporate at a broadcast rate/acre of 1 pt on coarse soil, 1½ pts on medium soil, 2 pts on fine soil, 1½ pts on soils with 2 to 5% organic matter, 2 to 2½ pts on soils with 5.1 to 10% organic matter.

Special applications.

—For the control of Fall Panicum in the states of Alabama, Florida, Georgia, North and South Carolina and Virginia, apply and incorporate at a broadcast rate/acre of 2 pts on both coarse and medium soils.

—For the control of Rhizome Johnsongrass in all cotton producing states except Arizona and California, apply a double-rate FLUTRIX 4 EC program for 2 years in a row.

Applications can be made in spring, any time before planting for two years in a row or between October 15 and December 31 for two years in a row at a broadcast rate/acre of 2 pts on coarse soil, 3 pts on medium soil and 4 pts on fine soil. Proper preparation of the soil before application and deep incorporation is essential for best results. Some Johnsongrass plants may escape timely cultivation during the crop season is necessary. In the season following a double-rate treatment, plant only rice and those crops for which FLUTRIX 4 EC can be applied as a pre-plant treatment or injury may result.

—For the control of Pigweed and seedling Johnsongrass in Alabama, Arkansas, Florida, Georgia, Louisiana, Mississippi, SE Missouri, North and South

Precautions: do not plant crops other than cotton on the treated land within 6 months after application of this tank-mix. Do not feed foliage from treated cotton plant or gin trash to livestock. Do not mix with liquid fertilizers.

—In West Texas, do not use on sandy loamy sand or fine sandy loam soils. Do not use on cotton planted in furrows.

—In Arkansas, Louisiana, Mississippi, use 1 lb of Cotoran in tank-mix with FLUTRIX 4 EC on sandy loam soils low in organic matter.

—In New Mexico, do not plant treated land with crops other than cotton until one year after the last application. Do not use on sandy loam soils with less than 1 percent organic matter.

Observe all directions, precautions and limitations on both products' labeling. COTORAN OVERLAY: apply FLUTRIX 4 EC as recommended and then Cotoran as a pre-emergence surface treatment at 1¼ to 2½ lbs/acre. On light soil and sandy soils low in organic matter, use the lower rate. Refer to Cotoran label for cautions, precautions and instructions.

FLUTRIX 4 EC PREPLANT FOLLOWED BY KARMEX® OVERLAY. For cotton grown east of the Mississippi River, Arkansas, SE Missouri, Louisiana, Eastern Texas, apply and incorporate FLUTRIX 4 EC before planting at usual rates. Then make a pre-emergence application of Karmex 80W at 0.6 to 1.5 lbs per broadcast acre.

Precautions: do not use Karmex on sandy or low organic soils. Do not allow grazing on cotton treated with Karmex.

Refer to Karmex 80W label for additional instructions, cautions and precautions.

CUCURBITS

CANTALOUPES, CUCUMBERS, WATERMELONS

Use restricted to Western US including Texas. Apply in post-plant emerged at the following Broadcast rate/acre

Soil texture	Broadcast rate/acre	
	Texas only	Western US
Coarse	1 pt	1 pt
Medium	1½-1¾ pts	1½-1¾ pts
Fine	1½ pts	1½ pts
2 to 5% organic matter	1½-2 pts	1½-2 pts
5.1 to 10% organic matter	2 pts	2 pts

Apply as directed spray to the soil between the rows and beneath the plants which are in the 3 to 4 true-leaf stage. Care should be taken that incorporation machinery does not damage the plants.

GREENS

TURNIPGREENS (for processing), KALE, MUSTARD GREENS

Apply and incorporate before planting at a broadcast rate/acre of 1 pt on coarse and medium soils, 1½ pts on fine soil.

**HOPS**

Use restricted to Western US only

Apply and incorporate while the crop is dormant at a broadcast rate/acre of 1 pt. on coarse soil, 1½ pts. on medium soil, 1½ pts. on fine soil and soils with 2 to 10% organic matter

MINT

Established Peppermint and Spearmint

Use restricted to Oregon, Washington, Idaho

Apply at a rate of 1 pt. on coarse soil, 1½ pts. on medium soil and 1½ pts. on fine soil during the dormant period

Use incorporation equipment that will insure thorough soil mixing with a minimum of damage to the established dormant mint

OKRA

Apply and incorporate before planting at the following

Soil texture	Broadcast rate/acre	
	Eastern US	Western US
Coarse	1 pt.	1 pt.
Medium	1½ pts.	1½-1½ pts.
Fine	2 pts.	1½ pts.
2 to 5% organic matter	1½ to 2 pts.	1½ to 2 pts.
5 to 10% organic matter	2 pts.	2 pts.

PEANUTS

Spanish peanuts grown in Texas and Oklahoma only

Apply and incorporate before planting, at planting or immediately after planting at a broadcast rate/acre of 1 pt. on coarse soil. Care should be taken not to disturb the seed when incorporating after planting

FLUTRIX 4 EC VERNAM TANK-MIX

Apply up to 10 days prior to planting, incorporate immediately after application at a broadcast rate/acre of 1 pt. of FLUTRIX 4 EC and 2½ pts. of Vernam 7E. Observe all directions, precautions and limitations on both products' labeling

PEAS**ENGLISH PEAS, DRY PEAS**

Apply and incorporate before planting at a broadcast rate/acre of 1 pt. on coarse and medium soils and 1½ pts. on fine soil

Fall application.

—For dry and English peas grown in Idaho, Oregon and Washington only, apply and incorporate any time between October 15 and December 31 at a broadcast rate/acre of 1 pt. on coarse soil, 1½-1½ pts. on medium soil and 1½ pts. on fine soil. Do not apply in the fall to soils which are wet or are subject to prolonged periods of flooding

Soil texture	Broadcast rate/acre	
	Eastern US	Western US
Coarse	1 pt.	1 pt.
Medium	1½ pts.	1½-1½ pts.
Fine	2 pts.	1½ pts.
2 to 5% organic matter	1½ pts.	1½-2 pts.
5 to 10% organic matter	2 pts.	2 pts.

Care should be taken so that incorporation machinery does not damage potato seed pieces or elongating sprouts. Set incorporation equipment so that bed and furrow will be uniformly covered by the product

If the layer of FLUTRIX 4 EC treated soil is not uniform, potato emergence may be retarded and stem brittleness can occur

When applying and incorporating after potato plants have fully emerged, do not completely cover the foliage with treated soil

Split application in Idaho, Oregon, Washington.

On all soils apply and incorporate ¼ pt. before planting and ¼ pt. after planting when potato plants have fully emerged

Precautions: do not apply to soil containing 2% or more organic matter

FLUTRIX 4 EC EPTAM TANK-MIX

—For potatoes grown in Kansas, Minnesota, Nebraska, North Dakota, Oklahoma, South Dakota, Texas, apply after planting but prior to crop emergence. In areas where potatoes are normally dragged off the mixture should be applied and incorporated up to or immediately following drag off

Soil texture	Broadcast rate/acre	
	FLUTRIX 4 EC	EPTAM 7E
	Eastern US	Western US
Coarse	1 pt.	1 pt.
Medium	1½ pts.	1½-1½ pts.
Fine	2 pts.	1½-1½ pts.
2 to 5% organic matter	1½ pts.	1½ pts.
5 to 10% organic matter	2 pts.	2 pts.

*Use higher rates for nutsedge control

Precautions: do not graze or feed forage to livestock from fields treated with this mixture

—For potatoes grown in Washington, Idaho, Oregon, apply and incorporate before planting at a broadcast rate of ¼ pt. of FLUTRIX 4 EC and 3½ pts. of EPTAM 7E/acre on all soils

Precautions: do not use this tank-mixture both before and after planting in the same season. Do not use foliage from treated crops for feed or forage. Observe all directions, precautions and limitations on both products' labeling

FLUTRIX 4 EC AMADEX BW TANK-MIX

For peas grown in Idaho, Oregon and Washington only, apply and incorporate up to 3 weeks before planting at the following

Soil texture	Broadcast rate/acre	
	FLUTRIX 4 EC	AMADEX BW
Coarse	¼ pt.	1½ qts.
Medium	¼ pt.	1½ qts.
Fine	1 pt.	1½ qts.

Precautions: do not apply to lentils. Do not use foliage from peas treated for feed or forage. Do not graze livestock on treated crops

Observe all directions, precautions and limitations on both products' labeling

SOUTHERN PEAS

Apply and incorporate before planting at the following

Soil texture	Broadcast rate/acre	
	Eastern US	Western US
Coarse	1 pt.	1 pt.
Medium	1½ pts.	1½-1½ pts.
Fine	2 pts.	1½ pts.
2 to 5% organic matter	1½-2 pts.	1½-2 pts.
5 to 10% organic matter	2 pts.	2 pts.

PEPPERS

Apply and incorporate before transplanting at the following

Soil texture	Broadcast rate/acre	
	Eastern US	Western US
Coarse	1 pt.	1 pt.
Medium	1½ pts.	1½-1½ pts.
Fine	2 pts.	1½ pts.
2 to 5% organic matter	1½ pts.	1½-2 pts.
5 to 10% organic matter	2 pts.	2 pts.

Do not apply after transplanting

POTATOES

Not recommended for use in the state of Maine

Apply after planting, before emergence or immediately following dragoff or after the potato plants have fully emerged at the following

SAFFLOWER

Apply and incorporate in the spring before planting or in the fall between October 15 and December 31 at the following

Soil texture	Broadcast rate/acre	
	Eastern US	Western US
Coarse	1 pt.	1 pt.
Medium	1½ pts.	1½-1½ pts.
Fine	2 pts.	1½ pts.
2 to 5% organic matter	1½ pts.	1½ pts.
5 to 10% organic matter	2-2½ pts.	2-2½ pts.

Fall application.

For safflower grown in Arizona, California, Idaho, Montana, Nevada, Oregon, Utah, Washington, Wyoming, apply and incorporate anytime between October 15 and December 31 at a broadcast rate/acre of 1½ pts. on coarse soil, 2 pts. on medium soil, 2½ pts. on fine soil

Precautions: do not apply in the fall to soils which are wet or are subject to prolonged periods of flooding

SOYBEAN

Apply and incorporate before planting at the following

Soil texture	Broadcast rate/acre	
	Eastern US	Western US
Coarse	1 pt.	1 pt.
Medium	1½ pts.	1½-1½ pts.
Fine	2 pts.	1½ pts.
2 to 5% organic matter	1½ pts.	1½-2 pts.
5 to 10% organic matter	2-2½ pts.	2 pts.

*except charcoal soils in Arkansas, Louisiana and Mississippi (see below)

Charcoal soils in Arkansas, Louisiana and Mississippi. Newly cleared land often contains high organic matter (4 to 10%) and charcoal which results from burning debris. This tends to bind FLUTRIX 4 EC reducing its weed control activity. Higher product rates are therefore necessary, but increased rates can cause crop injury if charcoal or organic matter is not present. Apply and incorporate at a broadcast rate/acre of 1½-2½ pts. on coarse soil, 2½ pts. on medium soil, 3 pts. on fine soil

Fall application.

Apply anytime between October 15 and December 31

—In Alabama, Arkansas, Northern Florida, Georgia, Louisiana, Mississippi, SE Missouri, Bootheel, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, apply and incorporate at a broadcast rate/acre of 2 pts. on coarse and medium soils and 2½ pts. on fine soil

73F11



80F11

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In Eastern United States other than those listed above, apply and incorporate at a broadcast rate/acre of 1 pt. on coarse soil, 1½ pts. on medium soil and 2 pts. on fine soil, 1½ pts. on coarse soil with 2 to 5% organic matter, 2 to 2½ pts. on soils with 5 to 10% organic matter.

Precautions: do not apply to soils which are wet or subject to prolonged periods of flooding or where rice was grown the previous year.

Special applications

For the control of Fall Panicum in Alabama, Florida, Georgia, North and South Carolina, Virginia, apply at a broadcast rate/acre of 2 pts. on both coarse and medium soils.

For more complete control of Pigweed and seedling Johnsongrass in Alabama, Arkansas, Florida, Georgia, Louisiana, Mississippi, SE Missouri, North and South Carolina, Tennessee, S. Virginia, Apply at a broadcast rate/acre of 1-1½ pts. on coarse soil, 1½-2 pts. on medium soil, 2 pts. on fine soil (3 pts. in the state of Louisiana).

For more complete weed control in the Texas Gulf Coast (limited to the following counties: Brazoria, Calhoun, Chambers, Fort Bend, Galveston, Harris, Jackson, Jefferson, Liberty, Matagorda, Orange, Victoria, Waller and Wharton) apply up to 2 weeks before planting at a broadcast rate/acre of 1½ pts. on coarse soil, 2 pts. on medium soil, 3 pts. on fine soil.

For suppression or partial control of Red Rice in Arkansas, Louisiana, Mississippi, Texas, apply as directed at double the normal rate the first year and at the normal rate the second year. Apply and incorporate anytime in the spring before planting at the following

Soil texture	Broadcast rate/acre	
	1st Year	2nd Year
Coarse	2 pts.	1 pt.
Medium	3 pts.	1½ pts.
Fine	4 pts.	2 pts.
2 to 5% organic matter	3 pts.	1½ pts.
5 to 10% organic matter	4 pts.	2-2½ pts.

If a combination of high organic matter and charcoal are present apply in the second year: the rates labeled for charcoal soils in Louisiana, Arkansas and Mississippi (1½-2½ pts. on coarse or 1, 2½ pts. on medium soil, 3 pts. on fine soil).

Crop rotation: plant only those crops for which FLUTRIX 4 EC has been registered as a preplant treatment.

Precautions: do not plant rice the second year.

For the control of Rhizome Johnsongrass in Eastern United States and Texas, Applications may be made in spring or fall or as a split application. Apply in a row for two consecutive years according to the program that best fits your cultural practices.

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Soil texture	Broadcast rate/acre	
	FLUTRIX 4 EC	Sencor SOWP/4L or Lexone SOWP/4L
Coarse	1 pt.	½ lb./pt.
Medium	1½ pts.	¾ lb./pt.
Fine	2 pts.	1 lb./pt.

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

OR

Soil texture	Broadcast rate/acre	
	FLUTRIX 4 EC	Sencor (dry flowable) or Lexone (dry flowable)
Coarse	1 pt.	½ lb.
Medium	1½ pts.	¾ lb.
Fine	2 pts.	1 lb.

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

Precautions: do not plant any crop other than soybeans within 4 months after treatment. Over application, uneven application or improper soil incorporation can result in erratic weed control or crop injury. Seeding disease, cold weather, deep planting, excessive moisture, soil pH over 7.5, high salt concentration or drought may weaken crop seedlings and increase possibility of damage from the application of this tank-mix.

For the control of Rhizome Johnsongrass.

Apply up to two weeks before planting for two consecutive years at the following

Soil texture	Broadcast rate/acre	
	FLUTRIX 4 EC	Sencor SOWP/4L or Lexone SOWP/4L
Coarse	2 pts.	½ lb./pt.
Medium	3 pts.	¾ lb./pt.
Fine	4 pts.	1 lb./pt.

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

OR

Soil texture	Broadcast rate/acre	
	FLUTRIX 4 EC	Sencor (dry flowable) or Lexone (dry flowable)
Coarse	2 pts.	½ lb.
Medium	3 pts.	¾ lb.
Fine	4 pts.	1 lb.

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

Precautions: do not use the foliage from soybeans for feed or forage.

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- as spring application anytime in spring before planting
- as fall application between October 15 and December 31.
- as split application directed under both spring and fall applications

Broadcast rate/acre

Soil texture	Broadcast rate/acre	
	Spring or Fall	Split Spring and Fall
Coarse	2 pts.	1 pt.
Medium	3 pts.	1½ pts.
Fine	4 pts.	2 pts.
2 to 5% organic matter	3 pts.	1½ pts.
5 to 10% organic matter	4 pts.	2 pts.

Proper preparation of the soil before application and deep incorporation are very important for best results. Some Johnsongrass plants may escape. Timely cultivations during the crop season are necessary.

For the control of Wild Cane (shattercane)

Wild cane can germinate from greater soil depth than most other weed seeds. Several "flushes" or germinating times are common in one season. Commercially acceptable control of Wild Cane can be obtained with increased rates of FLUTRIX 4 EC.

Land preparation: Work your land to destroy existing grasses and weeds. Thoroughly mix crop residues into the soil to a depth of 4 to 6 inches.

Application: Apply before planting at a broadcast rate/acre of 1 pt. on coarse soil, 2 pts. on medium soil, 2½ pts. on fine soil.

Incorporation: Deep incorporation is essential to good wild cane control. Incorporate thoroughly with a disc only set to cut 4 to 6 inches deep and operate in 2 different directions at 4 to 6 mph.

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

Precautions: plant soybeans after early season adverse weather conditions have passed. Do not plant soybeans deeper than 2 inches. Crop injury in the form of delayed growth may occur under adverse cool, wet weather conditions early in the season when FLUTRIX 4 EC is used according to these recommendations.

FLUTRIX 4 EC /SENCOR® OR LEXONE® TANK-MIX

For the control of grasses and weeds controlled by FLUTRIX 4 EC ATT alone plus additional weeds listed for the mixture, apply from two weeks before planting up to planting at the following

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Observe all directions, precautions, limitations and mixing procedures on both products' labeling.

FLUTRIX 4 EC PREPLANT + SENCOR OR LEXONE OVERLAY
Apply FLUTRIX 4 EC 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 soybeans emerge.

(Rates are given according to the use of Sencor or Lexone respectively)

Broadcast rate/acre

Soil texture	Broadcast rate/acre	
	FLUTRIX 4 EC	Sencor SOWP/4L or Lexone SOWP/4L Postplant/Preemergence
Coarse	1 pt.	¾-1 or ¾ lb./pt.
Medium	1½ pts.	1-1½ or 1-1½ lb./pt.
Fine	2 pts.	1-1½ or 1 lb./pt.

Do not apply Sencor to coarse soils (sandy loam and loamy sand) containing less than 2% organic matter.

Do not apply Lexone to sand or soils with less than ½% organic matter.

OR

Soil texture	Broadcast rate/acre	
	FLUTRIX 4 EC	Sencor (dry flowable) or Lexone (dry flowable) Postplant/Preemergence
Coarse	1 pt.	¾-1 or ¾ lb./pt.
Medium	1½ pts.	1-1½ or 1-1½ lb./pt.
Fine	2 pts.	1-1½ or 1 lb./pt.

Do not apply Sencor to coarse soils (sandy loam and loamy sand) containing less than 2% organic matter.

Do not apply Lexone to sand or soils with less than ½% organic matter.

Precautions: do not use Lexone or Sencor on Tracy, Semmes, Arline, Vandy or Coker 102 soybeans because these varieties are sensitive to phage products. Do not use treated vines for feed or forage. Seed must be planted at least 1½ inches below the soil surface but not more than 2 inches before Sencor or Lexone application. Do not apply Sencor or Lexone more than once per season. Do not replant areas treated with Sencor or Lexone to any crops other than soybean within 4 months after treatment.

Observe all directions, precautions and limitations on all products' labeling.

FLUTRIX 4 EC /ACCEPTER® TANK-MIX OR OVERLAY

Tank mix: Apply as a preplant incorporated treatment. Incorporate into the soil within 24 hours after application and plant soybeans within 45 days after treatment. Use equipment that provides uniform 2 inch incorporation.

Soil texture	Broadcast rate/acre	
	FLUTRIX 4 EC	SCIPER
Coarse	1 pt	1 pt
Medium	1½ pts	1 pt
Fine	2 pts	1½ pts

Preplant Overlay: Apply as a preplant incorporated treatment. Apply FLUTRIX 4 EC as recommended and then follow with a broadcast application of SCIPER at 1 pt/acre or 45 days prior to planting or overlay.

Postemergence Overlay: Apply FLUTRIX 4 EC as a preplant incorporated herbicide followed by postemergence overlay treatment with SCIPER at 1 pt/acre. For best results, overlay should be applied when the weeds are actively growing but no more than 2 inches in height.

Follow recommended soil preparation and application procedures for FLUTRIX 4 EC and SCIPER. Irrigation or rainfall sufficient to moisten soil to a depth of 2 inches is necessary to activate SCIPER.

Precautions: SCIPER plantback restrictions require—Do not plant rice or other grains within 4 months of application. Do not plant corn, edible beans, grain sorghum, peanuts or tobacco within 11 months of application. Do not plant crops other than those listed above within 18 months of application. Consult SCIPER label for more specific plantback restrictions. Observe all precautions and limitations on the SCIPER label.

FLUTRIX 4 EC /AMIBEN[®] TANK-MIX OR OVERLAY

Tank mix: apply as a spring preplant incorporated treatment. Overlay, apply FLUTRIX 4 EC as a preplant incorporated herbicide and then Amiben 25 broadcast or in a band over the soybean row at planting time.

Soil texture	Broadcast rate/acre	
	FLUTRIX 4 EC	AMIBEN 25
Coarse	1 pt	4-6 qts
Medium	1½ pts	4-6 qts
Fine	2 pts	4-6 qts

Use the higher rates of Amiben 25 where you expect heavy populations of smartweed, velvetleaf, ragweed, wild mustard and blacknightshade.

Observe all directions, precautions and limitations on both products labeling.

FLUTRIX 4 EC /VERNAM[®] TANK-MIX

Apply up to 10 days prior to planting at the following:

Soil texture	Broadcast rate/acre	
	FLUTRIX 4 EC	VERNAM 7E
Coarse	1 pt	1½ to 2 pts
Medium	1½ pts	2 to 3 pts
Fine	2 pts	3 to 3½ pts

*Use higher rates for nutsedge, wild cane and velvetleaf control.

Observe all directions, precautions and limitations on both products labeling.

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Richgrass control: (in Louisiana only)

Apply and incorporate on other plant or ratoon cane at a broadcast rate/acre of 4 pts. for all soil textures. Apply in the spring from before or shortly after the cane emerges up to layby. Follow directions above for sugarcane layby application in Louisiana and Texas.

SUNFLOWER

Apply and incorporate in the spring or in the fall between October 15 and December 31 at the following:

Soil texture	Broadcast rate/acre	
	Eastern US	Western US
Coarse	1 pt	1 pt
Medium	1½ pts	1½-1½ pts
Fine	2 pts	1½ pts
2 to 5% organic matter	1½-2 pts	1½-2 pts
5 to 10% organic matter	2 pts	2 pts

FLUTRIX 4 EC /AMIBEN[®] TANK-MIX OR OVERLAY

Tank mix: apply prior to planting. Overlay, apply Amiben 25 in band or broadcast over sunflowers at planting in fields where FLUTRIX 4 EC has been incorporated prior to planting.

Soil texture	Broadcast rate/acre	
	FLUTRIX 4 EC	AMIBEN 25
Coarse	1 pt	4 qts
Medium	1½ pts	4-6 qts
Fine	2 pts	4-6 qts

*Use higher rates for best control of Mustard, Common Ragweed or Black Nightshade.

If sufficient rain does not fall within 7 days after a pre-emergence application of Amiben, but there is enough soil moisture, a light cultivation with a rotary hoe or similar tool will uproot these small broadleaf weeds and grasses.

In coarse soil heavy rains may move incorporated Amiben below the weed seed germinating zone. Little weed control may result.

TOMATOES

For transplant, apply and incorporate before transplanting at the following:

SUGAR BEETS

Apply as a broadcast or directed spray, 1 to 2 weeks immediately after blocking or thinning when plants are between 2 and 5 inches tall. Exposed beet roots should be covered with soil prior to application to reduce potential of girdling. Care should be taken that incorporation machinery does not damage the sugar beet taproot.

Soil texture	Broadcast rate/acre	
	Eastern US	Western US
Coarse	1 pt	1 pt
Medium	1½ pts	1½-1½ pts
Fine	1½ pts	1½ pts

Special application:

—Incorporation with a line tooth harrow in California, Colorado, Idaho, Kansas, Montana, Nebraska, Oregon, Texas, Utah, Washington, Wyoming. A properly operated line tooth harrow can provide adequate incorporation of the herbicide for effective weed control in sugar beets. Operate the line tooth harrow two times over the field in opposite directions at a speed of 3 to 6 mph and set the harrow to cut 1 to 2 inches deep. Care should be taken to insure that the line tooth harrow does not damage the sugar beet taproot.

SUGARCANE

Plant Cane: (in Eastern United States only)

Apply and incorporate twice a year at a broadcast rate/acre of 2 to 4 pts. for all soil textures. Make the application in the fall or firmly packed beds immediately after the seed pieces are planted.

Make the application in the spring before or shortly after the cane emerges. Loosen rain-packed beds 2 to 3 inches deep before the spring application. Care should be taken so that incorporation machinery does not damage the seed pieces or emerging shoots.

Plant and Ratoon Cane: (grown in Louisiana and Texas only)

Apply and incorporate at a broadcast rate/acre of 2 to 4 pts. for all soil textures. Make application in the spring from before or shortly after the cane emerges up to layby. Make application after the beds have been shaved or false shaved. Loosen rain-packed bed 2 to 3 inches deep before application. Care should be taken so that incorporation machinery does not damage seed pieces or emerging roots.

Post-plant: In Hawaii (only) for control of most annual grasses including guinea grass.

Apply to surface after planting (for plant cane) or after harvesting (for ratoon cane) before weeds and cane emerge at a broadcast rate/acre of 6 to 8 pts. for all soil textures. In plant cane the beds should be formed or rolled before application. In ratoon cane the crop residue should be removed before application. Apply just before anticipated rainfall or sprinkle irrigate immediately after application.

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Soil texture	Broadcast rate/acre	
	Eastern US	Western US
Coarse	1 pt	1 pt
Medium	1½ pts	1½-1½ pts
Fine	2 pts	1½ pts
2 to 5% organic matter	1½ pts	1½-2 pts
5 to 10% organic matter	2 pts	2 pts

For direct-seeded tomatoes, apply and incorporate to soil between the rows and beneath the plants.

TREES AND VINEYARDS

EASTERN US

—For new planting of vineyards, citrus and pecan trees, apply and incorporate before planting at the following:

Soil texture	Broadcast rate/acre	
	Eastern US	Western US
Coarse	1 pt	1 pt
Medium	1½ pts	1½ pts
Fine	2 pts	1½ pts
2 to 5% organic matter	1½ pts	1½-2 pts
5 to 10% organic matter	2 pts	2 pts

—For non-bearing established plantings of citrus and pecan trees and bearing plantings of grapefruit, lemon, orange, peach, tangier, and other trees, apply at a broadcast rate/acre of 2 to 4 pts. for all soil textures.

Apply as a directed spray to soil around the trees and use incorporation methods not injurious to the trees. If crops are planted between the trees or vines, label directions for those specific crops apply to the area which is interplanted.

For continued weed control in citrus area, apply twice a year at an interval of approximately 4 to 6 months.

WESTERN US

—For new plantings of almond, apricot, citrus, nectarine, peach, pecan, walnut trees, apply and incorporate before planting at the following:



Broadcast rate/acre	
Soil texture	
Coarse	1 pt
Medium	1 1/2-2 pts
Fine	2 pts
2 to 5% organic matter	1-1 1/2 pts
5.1 to 10% organic matter	2 pts

—For new plantings of vineyards apply before planting at the following

Broadcast rate/acre	
Soil texture	
Coarse	1-1 1/2 pts
Medium	1 1/2-3 pts
Fine	3-4 pts
2 to 10% organic matter	3-4 pts

Do not use more than 2 pts/acre on heat-treated vines

—For post-plant applications on bearing and non-bearing established plantings of vineyards: almonds, apricot, grapefruit, lemon, nectarine, orange, peach, pecan, plum, prune, tangelo, tangerine and walnut trees apply at a broadcast rate/acre of 2 to 4 pts. for all soil textures. Apply as a directed spray to the soil around the trees or vines and use incorporation methods not injurious to the trees or vines.

Do not apply to vineyards within 60 days of harvest

In both the Eastern and Western U.S., if crops are planted between the trees or vines, label directions for those specific crops apply to the area which is replanted. For continued weed control in citrus trees, apply twice a year at an interval of about 4 to 6 months.

Special application

—For Rhizome Johnsongrass control (Western US only):

Commercially acceptable control of Rhizome Johnsongrass can be obtained with post-plant applications in bearing and non-bearing established plantings of vineyards: almond, apricot, grapefruit, lemon, nectarine, orange, peach, pecan, tangelo, tangerines and walnut trees.

Work the soil thoroughly to bring the rhizomes nearer the surface. Apply for two years in a row at a broadcast rate/acre of 4 pts. on all soil textures each year.

Incorporate thoroughly with a disc set to cut 4 to 6 inches deep and operate 2 times at 4 to 6 mph.

Some Johnsongrass plants will escape. Timely cultivations are necessary.

Precautions: do not use the 4 pts. rate on new plantings; do not apply to vineyards within 6 months of harvest; do not interplant orchards or vineyards with other crops. If the FLUTRIX 4 EC treated vineyards and orchards are directed to other crop uses, plant only those crops for which FLUTRIX 4 EC has been registered as a preplant treatment.

—For Field Bindweed control in vineyards: almond, apricot, grapefruit, lemon, nectarine, orange, peach, pecan, tangelo, tangerine, walnut trees in California only.

Apply in the spring with a specially designed spray blade which applies at a soil depth of 4 to 6 inches at a broadcast rate/acre of 4 pts. on all soil textures in 40-80 gallons of water/acre.

Destroy all weeds and grasses with soil tillage before applying.

Precautions: some soils develop cracks as they dry after rainfall or irrigation and Field Bindweed may emerge. Prevent or minimize cracks by shallow disking or other tillage.

WHEAT

WINTER WHEAT grown in Idaho, Montana, Oregon and Washington

Apply any time during a period from 3 weeks up to immediately prior to planting at a broadcast rate/acre of 1 1/2 pts. on coarse and medium soils and 2 pts. on fine soils.

Incorporate with a flexible tine-tooth harrow set to cut 1 to 2 inches deep and operate at 3 to 6 mph, one time within 24 hours after application and a second time in a different direction, prior to planting.

WINTER WHEAT fallow soil application in Washington and Oregon

Apply any time from May to September prior to the fall planting at a broadcast rate/acre of 1 1/2 pts. on coarse and medium soils and 2 pts. on fine soil.

Incorporate with a flexible tine-tooth harrow set to cut 1 to 2 inches deep and operate at 3 to 6 mph, one time within 24 hours after application and a second time in a different direction, prior to planting.

SPRING WHEAT, DURUM

Apply as a postplant incorporated treatment after seeding but before the crop emerges to control foxtail at a broadcast rate/acre of 1 pt. on coarse and medium soils and 1 1/2 pts. on fine soil.

Incorporate using a flex-tine or diamond harrow operating two times in different directions at 5 mph, 1 to 1 1/2 inches deep.

FLUTRIX 4 EC may be fall applied for foxtail/Johnsongrass control in spring wheat and durum planted the following spring. FLUTRIX 4 EC may be applied to ground that has a manageable trash level has been fallowed or pretilled.

Apply any time between October 15 and December 31 at a broadcast rate/acre of 1 pt. on coarse or medium soils and 1 1/2 pts. on fine soil.

For the incorporation use: chisel plow (for the first pass only) operating at 4 to 6 mph; set to cut at 4-5 inches deep; tandem disc operating at 4 to 6 mph, 3-4 inches deep; field cultivator, operating at 5 mph, 3-4 inches deep.

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

SPECIAL PRECAUTIONS

Applied according to directions and under normal growing conditions FLUTRIX 4 EC will not harm the treated crop. Over application may result in crop injury or a soil residue. Uneven application or improper soil incorporation can result in erratic weed control or crop injury.

Special precautions must be taken:

—In the Western United States (Arizona, Colorado, California, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington and Wyoming): to avoid crop injury do not plant sugarbeets, red beets or spinach for 12 months after FLUTRIX 4 EC application or for 14 months after a fall application of the product.

Do not plant sorghum, corn, oats for 14 months after spring application or for 16 months after fall application. If land has not been irrigated, do not plant any of these crops for 18 months after spring application or for 20 months after fall application.

—In the Western United States (Kansas, Nebraska, North Dakota, Oklahoma, South Dakota and Texas in those areas where at least 25 inches of irrigation or rainfall was used to produce the crop): do not plant sorghum or oats for 12 months after the herbicide application. If less than 25 inches of water was used to produce the crop, do not plant sorghum or oats for 18 months after application. Cool wet weather conditions during the early stages of growth may increase the possibility of injury to sorghum.

—In the Eastern United States: moldboard plow before planting sugarbeets where spring application was made the previous season.

—In Florida only: do not plant vegetable crops other than those listed in the label within 5 months following the application of FLUTRIX 4 EC.

CONDITION OF SALE

The label instructions and directions for use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, soil composition, type of vegetation, presence of other materials, or the manner of use or application, all of which are beyond the control of I.P.C.I.

ALL SUCH RISKS ARE ASSUMED BY THE BUYER.

LIMITED WARRANTY AND DISCLAIMER

I.P.C.I. warrants that the material contained herein conforms to the chemical description on the label and is reasonably fit for the use therein described when used in accordance with the directions for use. I.P.C.I. makes NO OTHER warranty of any kind with respect to the product.

The warranty does not extend to use of this product contrary to label instructions or under abnormal conditions or under conditions not reasonably foreseeable to I.P.C.I., and buyer assumes the risk of any such use.

READ THE LABEL BEFORE USING

I.P.C.I. expressly disclaims all implied warranties of merchantability or fitness for a particular purpose, and no such warranties shall be implied or inferred.

Neither I.P.C.I. nor any seller of this product makes, and their employees and agents are not permitted to make, any representations or warranties, express or implied by law, not specifically set forth herein.

Buyer assumes the risk to persons or property arising from the use or handling of this product and ACCEPTS THE PRODUCT ON THAT CONDITION.

LIMITATIONS OF LIABILITY AND DAMAGES

The liability of I.P.C.I. and any other seller for any loss or injury whether based on negligence, breach of warranty, strict liability in tort, or any other cause of action, shall be limited to the purchase price of the product. Prompt notice of any claim must be given by the buyer to I.P.C.I. within ninety days after the application of the product or ninety days after the first planting, whichever is later. Notification to I.P.C.I. should be at this address: Industria Prodotti Chimici, S.p.A., Via F. Beltrami, 11, 20026 Negrate Milanese, Italy.

I.P.C.I. and any other seller of the product shall not be liable for any and all claims against I.P.C.I. and any other seller, are waived for special, indirect, incidental, or consequential damages or expenses of any nature, including but not limited to loss of profits or income, crop or property damage, whether or not based on negligence, breach of warranty, strict liability in tort, or any other cause of action.

I.P.C.I. OFFERS THIS PRODUCT AND THE BUYER AND USER ACCEPT IT SUBJECT TO THE FOREGOING CONDITIONS OF SALE AND LIMITATIONS OF WARRANTY, LIABILITY AND DAMAGES WHICH MAY BE VARIED ONLY BY AGREEMENT IN WRITING SIGNED BY A DULY AUTHORIZED REPRESENTATIVE OF I.P.C.I.

USES WITH OTHER PRODUCTS (TANK MIXES)

This product is not to be used in combination with any other product except as specifically recommended in writing by I.P.C.I., and I.P.C.I. (and any other seller) shall have no liability for any loss, damage or injury arising out of its use in any such combination not so specifically recommended. If used in a combination recommended by I.P.C.I., the liability of I.P.C.I. (and any other seller) shall in no manner extend to any damage, loss or injury not directly caused by the inclusion of the I.P.C.I. product in such combination use, and in any event shall be limited to return of the amount of the purchase price of the product.

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