

2000/2005

COMMERCIAL

Net Contents 20 litres

SUTAN(R) +
Encapsulated
Selective Herbicide for Field, Sweet and
Silage Corn on Mineral Soils

CAUTION POISON

READ THE LABEL BEFORE USING

GUARANTEE: Butylate 480 grams per litre

REGISTRATION NO. 13965 PEST CONTROL PRODUCTS ACT

ZENECA Inc.
Concord Pike and New Murphy Road
Wilmington, DE 19897

For more information, contact:

ZENECA Agro,
a business of ZENECA Corp.
#250, 3115-12th Street NE
Calgary, Alberta T2E 7J2

C93/A-4

PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN. HARMFUL IF SWALLOWED.

Avoid contact with skin, eyes and clothing. Avoid spray mist. When handling, wear eye protection, rubber gloves and fresh protective clothing. Wash skin thoroughly with soap and water after use. Avoid contamination of food, feed, seed and fertilizer.

FIRST AID

Immediately start the procedures given below. If further treatment is required, contact a Poison Centre, a physician or the nearest hospital.

IF SWALLOWED: Immediately give several glasses of water and induce

vomiting by placing a finger on the back of the victim's tongue. Give fluids until vomitus is clear. If victim is unconscious or convulsing, do not induce vomiting or give anything by mouth.

IF IN EYES: Immediately flush eyes with large amounts of running water for at least 15 minutes. Hold eyelids apart during flushing to ensure rinsing of the entire surface of the eye and lids with water. Get medical attention immediately.

IF OK SKIN: Flush affected areas with plenty of water for several minutes.

IF INHALED: Remove to fresh air. Seek medical attention if respiratory irritation occurs or if breathing becomes difficult.

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

TOXICOLOGICAL INFORMATION

Give symptomatic and supportive treatment.

EMERGENCY TELEPHONE NUMBER

All hours, 1-800-327-8633 ONLY for health and environmental information.

ENVIRONMENTAL HAZARDS

Do not contaminate irrigation water or water used for domestic purposes.

STORAGE

Store in a cool, dry, well-ventilated area away from flammable materials, sources of heat and flame, and foodstuffs. Keep container closed when not in use. Store above 0°C.

SPILL CLEANUP

Wear appropriate protective equipment (gloves, glasses, apron) when attempting to clean up the spill. If the container is leaking,

secure leak and place the container into a drum or heavy gauge plastic bag. Contact ZENECA Agro (see EMERGENCY TELEPHONE NUMBERS) for further information.

For spills and leaks; contain the liquid with dikes of inert material (soil, clay, kitty litter etc.. Absorb the spill onto inert material and shovel into a sealable waste container.

On hard surfaces - sprinkle spill area with detergent and scrub in a small quantity of water with a coarse broom. Let stand 10 minutes then absorb onto an inert material and shovel into the waste container.

On soil - remove the top 15 cm of soil in the spill area and replace with fresh soil. Dispose of all waste including scrub brush in accordance with provincial requirements. For more information on the disposal of waste and the clean up of spills, contact the provincial regulatory agency or the manufacturer.

DISPOSAL

Rinse the emptied container thoroughly and add the rinsings to the spray mixture in the tank. Follow provincial instructions for any required additional cleaning of the container prior to its disposal. Make the empty container unsuitable for further use. Dispose of container in accordance with provincial requirements. For information on the disposal of unused, unwanted product and the cleanup of spills, contact the Provincial Regulatory Agency or the manufacturer.

PRODUCT INFORMATION

SUTAN + Encapsulated is a selective herbicide which is mixed (incorporated) into the soil for control of weeds listed on this label. SUTAN + Encapsulated controls weeds as their seeds germinate by interfering with normal germination and seedling development. It does not control established weeds. All weed growth should be thoroughly worked into the soil before treatment.

NOTICE TO USER

This control product is to be used only in accordance with the directions on this label. It is an offense under the Pest Control Products Act to use a control product under unsafe conditions.

DIRECTIONS FOR USE

Applied according to directions and under normal growing conditions SUTAN + Encapsulated will not harm the treated crop. During germination and early stages of growth, extended periods of unusually cold and wet or hot and dry weather, insect or plant disease attack, the use of certain soil applied systemic insecticides, improperly placed fertilizers or soil insecticides may create abnormal conditions that weaken crop seedlings. SUTAN + Encapsulated used under these abnormal conditions could result in crop injury.

Do not use on milo or sorghum. Do not use on corn seed stock.

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

Do not tank mix SUTAN + Encapsulated with insecticides or fungicides unless the compatibility has been tested and proven to be satisfactory prior to use.

Do not graze, or cut for fodder, treated immature crops. (In the case of corn, immature means before ear emergence). There is not sufficient data available to support such use.

In irrigated areas, do not apply SUTAN+ ENCAPSULATED before irrigation.

DO NOT APPLY BY AIR

WEEDS CONTROLLED

	ALONE	TANK MIX Atrazine
Annual Grasses		
Barnyard Grass (Water grass)	Y	Y
Crab Grass	Y	Y
Foxtails (Green and Yellow)	Y	Y
Wild Oats	N	Y
Witch Grass	Y	Y
Fall Panicum	N	Y
Annual Broadleaf Weeds		
Smartweed	N	Y
Lamb's-quarters	N	Y
Redroot Pigweed	N	Y
Purslane	N	Y
Ragweed	N	Y
Mustards	N	Y
Lady's-thumb	N	Y
Volunteer Clovers	N	Y
Wild Buckwheat	N	Y
Perennial Weeds		
Yellow Nutsedge	Y	Y

Existing stands of yellow nutsedge (nut grass) must be turned under and chopped up thoroughly before treatment.

APPLICATION RATES

SUTAN+ ENCAPSULATED

Broadcast Rates Per Hectare: For annual grasses only, apply and incorporate 7 litres per hectare. For annual grasses and yellow nutsedge (nut grass), apply and incorporate 9.25 litres per hectare.

SUTAN + ENCAPSULATED/ATRAZINE TANK MIX COMBINATION

A tank mix combination of SUTAN + Encapsulated and Atrazine 80% W.P., 90% W.P. or 5-L can be applied and mixed into the soil before planting for weed control in corn. The combination will control a broader spectrum of weeds than either material used alone. The potential hazard of Atrazine residues affecting certain succeeding crops is reduced, because a lower rate of Atrazine can be used when it is combined with SUTAN + Encapsulated than when it is used alone.

Broadcast Rates Per Hectare: For control of Annual Grasses (except Fall Panicum) and Annual Broadleaf Weeds: Apply and incorporate 7 litres of SUTAN + Encapsulated and 1.5 kilograms of Atrazine 80% W.P., 1.25 kilograms of Atrazine 90% W.P., or 2.25 litres Atrazine 5-L per hectare.

For control of Annual Grasses (including Fall Panicum), Annual Broadleaf Weeds and Yellow Nutsedge (Nut Grass): Apply and incorporate 9.25 litres of SUTAN + Encapsulated and 1.5 kilograms of Atrazine 80% W.P., 1.25 kilograms of Atrazine 90% W.P., or 2.25 litres of Atrazine 5-L per hectare.

FOLLOW ALL USE PRECAUTIONS AND WARNINGS THAT APPEAR ON THE SUTAN + ENCAPSULATED AND ATRAZINE LABELS.

MIXING DIRECTIONS

The SUTAN + Encapsulated/Atrazine 80 W.P, 90 W.P. or 5-L combination can be mixed with water and applied as a spray. With Atrazine 80 W.P. or 90 W.P., mix the recommended amount of Atrazine in a 20 L pail with sufficient water to make a slurry. Pour the slurry into a nearly filled spray tank while agitating. With Atrazine 5-L, pour the recommended amount of Atrazine 5-L directly into the nearly filled spray tank while agitating. In both cases, next add the recommended amount of SUTAN + Encapsulated. Fill the remaining portion of the tank with water, mix thoroughly. Maintain moderate

agitation to provide a uniform mix during application. Do not use excessive agitation, as it may cause the Atrazine to settle out and set up in the spray tank. All return lines to the tank must discharge below liquid level.

APPLICATION AND SOIL INCORPORATION DIRECTIONS

Pour the recommended amount of SUTAN+ ENCAPSULATED into the spray tank during the filling operation. Apply in 100 to 500 litres of water per hectare using a properly calibrated, low-pressure, boom-type sprayer having good agitation. The soil should be well-worked, and dry enough to permit good soil mixing (incorporation).

For all band applications, reduce dosage proportionately depending upon the row spacing and band width to be treated.

SUTAN + Encapsulated must be incorporated into the soil to prevent loss of the herbicide. Incorporation should be completed within 24 hours after application. The following equipment is commonly used for soil mixing (incorporation) before planting. Always follow with Western Rolling Harrows.

TYPE OF EQUIPMENT	WORKING DEPTH	MINIMUM SPEED
S Tyne (Danish) Cultivator*	10-15 cm	8-13 km/hr
C Tyne Cultivator with overlapping sweeps*	10-15 cm	9.5+ km/hr
Tandem Disks (max 45cm spacing between disks)**	10-15 cm	6.5-9.5 km/hr
Power Driven Cultivator ***	5-7.5 cm	ANY

* Recommended for lighter soils in good tilth only

** For more thorough mixing, (perennial weeds and in heavier soils) cross disk a second time at maximum 10 cm depth.

*** For control of shallow, annual weeds only.

PLANTING

Plant seed to a maximum depth of 5 centimetres within 2 weeks after treatment. To avoid removing SUTAN + Encapsulated from the row (with loss of weed control in the row), do not move or shape soil after treatment, such as by planting in deep furrows.

CULTURAL PRACTICES FOLLOWING APPLICATION

Should weeds develop, a shallow cultivation or rotary hoeing will generally result in better weed control. When cultivating for any reason, it should be shallow, i.e. no more than 1/2 the depth the herbicide was incorporated. Pre-emergence or post-emergence herbicides may be necessary to control weeds resistant to SUTAN + Encapsulated.

NOTICE TO BUYER

Seller's guarantee shall be limited to the terms set out on the label and subject thereto, the buyer assumes the risk to persons or property arising from the use or handling of this product and accepts the product on that condition.

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