

2000/2005

Net Contents: 200 L
BULK

**VERNAM® 7.2E
EMULSIFIABLE LIQUID**

**Selective Herbicide For Use on Mineral Soils Only
to Control Certain Weeds in Soybeans and Peanuts**

READ THE LABEL BEFORE USING

GUARANTEE: Vernolate 720 grams per Litre

REGISTRATION NO. 9927
PEST CONTROL PRODUCTS ACT

ZENECA Inc.
1800 Concord Pike
Wilmington, DE 19897

FOR MORE INFORMATION, CONTACT:

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

E94/A-4

PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN. MAY BE HARMFUL IF SWALLOWED. Avoid contact with skin, eyes and clothing. Avoid inhalation of spray mist. Wear rubber gloves, goggles and protective clothing. Wash with soap and water after use or contact. Do not contaminate feed or food. Keep away from heat and flame.

FIRST AID TREATMENT

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

If swallowed, immediately give several glasses of water but do not induce vomiting. If vomiting does occur, give fluids again. Have a physician determine if condition of patient will permit induction of vomiting or evacuation of stomach. Do not give anything by mouth to an unconscious person.

In case of contact, immediately flush eyes and skin with large amounts of running water for at least 15 minutes while removing contaminated clothing and shoes. For eyes, hold eyelids apart during the flushing to ensure rinsing of the entire surface of the eye and lids with water. Get medical attention immediately. Wash clothing before re-use.

If inhaled, remove to fresh air. Seek medical attention if respiratory irritation occurs or if breathing becomes difficult. Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

EMERGENCY TELEPHONE NUMBER

All hours, 1-800-263-0984 **ONLY** for health and environmental information.

CONSULT YOUR LOCAL **POISON CONTROL CENTRE** FOR ADDITIONAL INFORMATION.

STORAGE

Minimum Storage Temperature -18°C. Keep container tightly closed when not in use. Do not contaminate water, seeds, food, feed or fertilizer by storage or disposal. Do not store near feeds or fertilizer.

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 regional office of Environmental Protection, Environment Canada.

DISPOSAL

Do not reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site: 1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank. 2. Make the empty container unsuitable for further use. If there is no container collection site in your area, dispose of the container in accordance with provincial requirements. For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and provincial regulatory agency in case of a spill, and for clean-up of spills.

PRODUCT INFORMATION

VERNAM 7.2-E is a selective herbicide which is mixed (incorporated) into the soil for control of weeds listed on this label. VERNAM 7.2-E controls weeds as their seeds germinate by interfering with normal germination and seedling development. It does not control established weeds. All weed growth and crop stubble 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

GENERAL USE PRECAUTIONS

VERNAM 7.2-E is recommended for use on mineral soils only.

Do not tank mix VERNAM 7.2-E with fertilizers, insecticides or fungicides unless the compatibility has been tested and proven to be satisfactory prior to use.

Do not store near seeds or fertilizer. Keep container closed when not in use.

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

Applied according to directions and under normal growing conditions, VERNAM 7.2-E will not harm the treated crop. Malformation of the primary leaves is not unusual. This condition is only temporary and will not affect yields. 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. VERNAM 7.2-E used under these abnormal conditions could result in crop injury.

CAUTION : Do not graze the treated crops or cut for hay; there are not sufficient data available to support such use.

WEEDS CONTROLLED

VERNAM 7.2-E is recommended only for the control of the following:

Annual Grasses

Barnyard grass
Crab grass
Green Foxtail
Yellow Foxtail

Annual Broadleaved Weeds

Carpetweed
Common Lamb's-quarters
Pigweed
Purslane

The above listed annual weeds will be controlled only if the application is made when conditions are favourable for weed seed germination and growth.

Perennial Weeds

Yellow Nutsedge (Nutgrass)

Existing stands of nutsedge must be turned under and chopped thoroughly before treatment. Prior to planting, VERNAM 7.2-E must be thoroughly mixed into the soil for nutgrass control.

APPLICATION DIRECTIONS

Pour the recommended amount of VERNAM 7.2-E into the spray tank during the filling operations. Apply in 100 to 500 litres of water per hectare using a properly calibrated low pressure sprayer having good agitation. Apply to a dry soil surface only. The soil should be well worked and dry enough to permit good soil mixing (incorporation). Avoid overlaps that will increase dosage above recommended limits. VERNAM 7.2-E must be mixed (incorporated) into the soil immediately after application to prevent loss of the herbicide. Whenever possible application and incorporation should be done in the same operation.

INCORPORATION DIRECTIONS

Incorporation Before Planting: Use power-driven cultivation equipment set to cut to a depth of 7.5 centimetres **OR** a tandem disc set to cut to a depth of 15 centimetres, followed by a spike-tooth harrow or some other levelling device which extends beyond ends of the disc. For thorough mixing, disc in two different directions (cross disc).

Incorporation At or After Planting: Use power-driven cultivation equipment set to cut to a depth of 5 to 7.5 centimetres **OR** on light soils only, ground driven tillers (rolling cultivators rotary hoe, row wheels, et cetera) set to cut to a depth of 4 centimetres and operated at 9.5 to 13 km/h. When incorporating after planting, care must be taken not to disturb the crop seed or seeding.

PLANTING-SOYBEAN, PEANUTS

For applications made before planting, seeding should be done as soon as possible to obtain maximum period of weed control during the growing season. Plant seed no deeper than 5 centimetres.

CULTURAL PRACTICES FOLLOWING APPLICATION

VERNAM 7.2-E is not persistent in the soil, and susceptible weeds germinating late in the season may not be controlled. Cultivate to control these late-germinating susceptible weeds as well as those weeds not susceptible to VERNAM 7.2-E. Do not cultivate deeper than the depth of herbicide incorporation.

APPLICATION RATES

These recommendations are given in terms of broadcast (overall) rates of VERNAM 7.2-E per hectare. For band or row application, reduce broadcast rates proportionately depending upon band width to be treated and row spacing.

Peanuts: VERNAM 7.2-E may be applied just before planting. Use 2.75 to 3.25 litres per hectare. Use the lower rate on Valencia type peanuts.

Soybeans: VERNAM 7.2-E may be applied just before planting, immediately after planting or at first rotary hoeing (when soybeans are 2.5 to 5 centimetres tall). When applying after planting, care must be taken not to disturb the crop seed or seedlings. Use 3.25 litres per hectare on sandy (light) soils and 5 litres per hectare on sandy loam, clay loam and clay soils.

IMPREGNATION OF DRY BULK FERTILIZERS

VERNAM 7.2-E may be impregnated on dry bulk fertilizer (except nitrate fertilizers) and applied as the fertilizer is spread. See Appendix 1 for information and directions regarding impregnation and use of these combinations.

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.

VERNAM is a registered trademark of ZENECA Inc.

APPENDIX I

VERNAM 7.2-E Impregnation on Dry Bulk Fertilizers

All VERNAM 7.2-E supplementary literature instructions and label precautions regarding rates per hectare, soil type and soil incorporation, application and other directions must be followed. All regulations relating to dry bulk fertilizer blending, registration, labelling and application are the responsibility of the individual and/or company selling the fertilizer and VERNAM 7.2-E mixture.

CAUTION: VERNAM 7.2-E must not be impregnated on ammonium nitrate, potassium nitrate or sodium nitrate fertilizers. Such mixtures may

cause explosion and fire.

A minimum of 200 kilograms and a maximum of 500 kilograms of approved fertilizer ingredients impregnated with the appropriate amount of VERNAM 7.2-E must be applied per hectare.

For impregnating the pesticides on dry fertilizers, use a closed rotary-drum type mixer equipped with suitable spraying equipment. The spray nozzles should be positioned inside of the mixer to provide uniform coverage of the tumbling fertilizer. The VERNAM 7.2-E should be sprayed uniformly onto the fertilizer using a fine spray pattern.

The physical properties of fertilizers vary, particularly in liquid absorptive capacity. When absorptivity is sufficient, simple spray impregnation of the fertilizer with VERNAM 7.2-E provides a satisfactory dry mixture.

If the absorptivity is not adequate, use of a highly absorptive powder is required to provide a dry, free-flowing mixture. Microcel E (Johns-Mansville Products corporation) is the recommended absorbent powder. It should be added separately and uniformly to the prepared pesticide-fertilizer mixture, in a quantity that is sufficient to provide a suitably free-flowing mixture. Generally, less than 2% by weight of Microcel E is required.

The amount of VERNAM 7.2-E actually required in the manufacture of individual fertilizer mixtures should be determined carefully for each production operation. This is necessary to ensure that the amounts of VERNAM 7.2-E and Atrazine actually contained in the mixture applied to the soil represent the correct rates of use. See rate chart below.

Bulk fertilizers impregnated with VERNAM 7.2-E should be applied immediately, NOT STORED. All bulk containers should be tightly covered while the products are being transported and applied to reduce chances of VERNAM 7.2-E loss via volatilization.

VERNAM 7.2-E Physical Data

Specific Gravity	20/20EC: 0.9665 (typical)
Grams/Litre	10/20EC: 963 (typical)
Flashpoint:	>93EC (Setaflash closed cup)
Viscosity:	Sprayable down to -29EC

**APPROVED DRY FERTILIZER INGREDIENTS
FOR USE WITH VERNAM 7.2-E**

official hard-copy label. The PMRA does not provide any guarantee or assurance that the information obtained through this service is accurate, current or correct, and is therefore not liable for any loss resulting, directly or indirectly, from reliance upon this service.

+))