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Ekko
80W

Formulation of atrazine-simazine

AGRICULTURAL

HERBICIDE

Net Weight: 2.75 kg

Wettable Powder for: Weed control in corn

READ LABEL BEFORE USING

GUARANTEE:

Atrazine.....	38%
Related Triazines.....	2%
Simazine.....	38.8%
Related Triazines.....	1.2%

Keep out of the reach of children. Harmful if swallowed. Avoid contact with eyes or prolonged contact with skin. Avoid inhalation of dust and prevent contamination of food and feed. Do not contaminate domestic or irrigation water supplies, lakes, streams and ponds. Do not reuse container; destroy when empty.

Do not use on crops other than corn.

REGISTRATION NO.: 11,445
PEST CONTROL PRODUCTS ACT

EKKO is a registered trademark of

CIBA-GEIGY CANADA LTD.
Agricultural Division
6860 Century Avenue
Mississauga, Ontario
L5N 2W5

General Directions:

EKKO may be used on all types of corn, but may only be used where corn is to

grown in the same field again the following year.

Weeds Controlled:

Annual Broadleaves: Mustards, purslane, ragweed, smartweed, lady's-thumb, wild buckwheat, lamb's-quarters, redroot pigweed.

Annual Grasses: Barnyard grass, green foxtail, yellow foxtail, wild oats, orange witchgrass, crab grass*.

*Use the maximum label rate for control of crab grass. Supplementary row cultivation may be necessary in pure crab grass stands where weed pressure is heavy. EKKO will also control most perennial species starting freshly from seed.

Triazine Tolerant Weeds Following many years of continuous use of this product and chemically related products, biotypes (strains) of some of the weeds listed on this label have been reported which cannot be effectively controlled by triazine and related herbicides. Where this is known or suspected, we recommend the use of this product in combination with other registered herbicides which are not triazines and are labelled to control these resistant weeds. Consult with your Provincial Agricultural Extension Representative for specific recommendations.

Precaution: Carryover to succeeding crops. After spraying with EKKO do not plant any crop other than corn on the treated land in the same season and the following season or severe damage may be caused. Two years after application there is virtually no hazard to most rotational crops from the rates given. Sugar beet and tobacco are sensitive to EKKO and should not be planted on the land treated with this product within three years.

Thorough tillage, including ploughing, should precede the planting of crops other than corn. Plough the land flat as opposed to settling the furrow on edge. Uneven application of EKKO, or application in excess of recommended rates, will not injure corn but may result in injury to succeeding crops other than corn.

Under the conditions of heavy rainfall, sufficient to cause erosion, soil containing EKKO may wash to lower areas of land, and injury to existing or subsequent crops, other than corn, may result.

Specific Directions:

Mixing: Spray equipment should be thoroughly flushed with clean water and drained before mixing EKKO. Fertilizer Solution - Fill tank 1/4 to 1/3 full with carrier; engage agitation system and add the required amount of product into tank. Finish filling the tank. Continue agitation during mixing and spraying. After any break in the spraying operation, agitate thoroughly.

Caution: Do not apply after the corn has emerged as there is danger of liquid

fertilizer causing crop injury. If there is any doubt about compatibility of particular fertilizer formulation, check by mixing a small amount of EKKO 80W with the liquid fertilizers.

Oil/Water Emulsions - Use the recommended rate of EKKO plus 17L of suitable oil (or oil concentrate) at label rate in 200-300 L of water per hectare. Use only crop oils or oil concentrates labelled for use with EKKO. Oils contaminated with water or other materials can cause either compatibility problems or crop injury or both.

Follow Proper Mixing Steps:

- 1) Fill spray tank from 1/4 to 1/3 full with carrier.
- 2) Engage the agitation system and pour in the EKKO.
- 3) Continue agitation while adding the remainder of the carrier.
- 4) Finally, add the emulsifiable oil or oil concentrate last. The mixture can now be applied.
- 5) Before refilling, empty the tank as completely as possible to prevent a build-up of oil in the tank. If any spray mixture remains in the tank, keep the agitation system in operation to avoid a separation of the oil from the water.
- 6) If an oil film starts to build up in the tank, drain and clean it with a strong detergent solution or solvent.
- 7) Immediately after use, thoroughly clean the sprayer by flushing the system with water containing a detergent.

Spraying: Spray at pressure of 200-300 kPa. Apply in 200-300 L of water per hectare. Use screen of 50 mesh size or larger. Keep EKKO mixture well agitated and spray evenly to cover the surface to be treated.

Application Directions for Annual Weeds: Rates of Application of EKKO 80W (in kg per hectare)	
Application	Overall Spray
Pre-plant incorporated, or pre-emergent	4.25 kg
Post-emergent with oil	3.25 - 4.25 kg

Application timing:

- 1) Pre-plant incorporated: Apply broadcast before or during final seedbed preparation. Do not incorporate EKKO deeper than 3 cm. Use a harrow or cultivator. Discing is not generally recommended as incorporating is usually too deep.
- 2) Pre-emergent: Apply the EKKO spray during or shortly after planting, prior to weed emergence. Do not spray on loose or rough seedbeds.
- 3) Post-emergent in Oil-Water Emulsion: For proper mixing, follow steps listed under Mixing Instructions (Oil-Water Emulsions). Apply when annual grass

are in the 1 to 2 leaf stage and broadleaves are no higher than 10 cm.

Cultivations After Spraying

If EKKO is applied pre-emergence, rainfall is required for activation. If there is no rainfall for a period of time, a light cultivation may be required to control the first flush of weeds. This shallow cultivation does not materially reduce the effect of EKKO. Note: Where pure crab grass exists in heavy concentrations, a cultivation will be necessary.

Caution

- 1) EKKO is not recommended on muck soils.
- 2) Some temporary discolouration and retardation to corn can occur with EKKO applied in oil-water emulsions, especially during cold, backward weather. However, yield generally is not affected. Do not add hormone-type weed killers such as 2,4-D, 2,4-DB, MCPA, MCPB and dicamba, or other herbicides to combinations of oil-water emulsions and EKKO. The risk of damage to other vegetation from spray drift is increased with the use of EKKO in oil-water emulsion.

Quack Grass, Canada Thistle and Nutsedge Control:

Quack grass (Couchgrass) and Canada Thistle: Make an application to quack grass foliage or areas infested with Canada thistle in the fall or early spring using 2.75 kg of EKKO in 200-300 L of water per hectare. Plough or cultivate one to three weeks later. Make a second application after planting the corn using 2.75 kg of EKKO per hectare as early post-emergent spray. The addition of 1% of an emulsifiable oil to this second treatment will increase the speed of kill of the quack grass and Canada thistle foliage. Row cultivation will increase effectiveness of this treatment. It usually takes several annual applications of EKKO to eliminate Canada thistle; however, one season's treatment gives good economic control.

Nutsedge: Apply 2.75 kg of EKKO to the soil in the spring before the nutsedge shoots emerge and work in to a depth of 5 to 8 cm by discing and harrowing. Plant the corn and make a second application of 2.75 kg of EKKO per hectare in an oil-water emulsion when the nutsedge is in the early post-emergent (spike) stage. Row cultivation may be necessary to obtain good control.

Note: When the split application of EKKO has been used, corn must be grown on the land for two successive years.

Notice to User:

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

Notice to Buyer:

Seller's guarantee shall be limited to the terms set out on the label and such 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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