

95/2000

CO-OP (R) AATREX NINE-O (R1)

AGRICULTURAL

HERBICIDE

Water dispersible Granule for Selective Weed Control in Corn
and triazine tolerant Canola

NET CONTENTS: 5 kg

GUARANTEE:

Atrazine..... 85.5%
related triazines..... 4.5%

READ THE LABEL AND PAMPHLET BEFORE USING

REGISTRATION NO. 19066 PEST CONTROL PRODUCTS ACT

INTERPROVINCIAL CO-OPERATIVE LIMITED

P.O. BOX 1050

SASKATOON, SASKATCHEWAN S7K 3M9

NOTICE TO USER:

This control product is to be used only in accordance with the directions on this 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 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.

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN. Harmful if swallowed. Avoid contact with eyes or prolonged contact with skin. Avoid inhalation of vapours or spray mist. When applying the product wear a coverall over a long-sleeved shirt and pants and chemical resistant boots. Additionally, wear chemical resistant gloves, when servicing the sprayer and during cleanup. Persons involved

in mixing/loading operations should wear the previously mentioned clothing, chemical resistant gloves and a face shield.

Do not eat, drink or smoke when using product. Wear freshly laundered clothes daily. Wash hands and face before eating, drinking, smoking or using the toilet. Store and wash all protective clothing separately from household laundry. Wash in detergent and hot water before reuse.

This product should not be mixed/loaded within 30 meters of any wells, lakes, streams, ponds or sink holes in order to avoid the potential of well or surface water contamination. Do not use this product within 10 meters of the above mentioned water sources. Avoid contamination of food and feed, domestic or irrigation water supplies, lakes, streams and ponds. Do not apply this product through any type of irrigation system. Do not re-use container; destroy when empty. Use only on labelled crops. Do not apply at rates greater than 1.7 kg/ha, except for weed control in lowbush blueberries.

STORE IN A DRY PLACE.

CAUTION:

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

FIRST AID:

If swallowed, immediately give large quantities of water and induce vomiting. Never give anything by mouth to an unconscious person. Obtain medical attention. If in eyes splash repeatedly with large amounts of clean water. Obtain medical attention. If on skin, remove contaminated clothing immediately. Wash skin thoroughly with soap and water. If irritation occurs, obtain medical attention.

DECONTAMINATION AND DISPOSAL:

1. Empty bag thoroughly into spray tank
2. Make the empty bag unsuitable for further use.
3. Dispose of the bag in accordance with provincial requirements.
4. For information on the disposal of unused, unwanted product, and the cleanup of spills, contact the regional office of Conservation and Protection, Environment Canada.

GENERAL INFORMATION:

AAAtrex Nine-O provides selective control of broadleaf weeds and wild oats in corn and certain broadleaf weeds in triazine tolerant canola. This product may be applied before or after

weeds emerge.

WEEDS CONTROLLED:

Wormseed Mustard	Wild Buckwheat
Wild Mustard	Lamb's-quarters
Common Purslane	Redroot Pigweed
Ragweed	Volunteer Clover
Smartweed	Wild Oats
Lady's Thumb	

NOTE: Some naturally occurring triazine tolerant biotypes of the above listed broadleaf weeds may not be controlled by atrazine alone. Refer to specific recommendations in the tank mix section of this label or consult your local agricultural authority.

TIMING OF APPLICATION:

Can be applied:

- Pre-plant incorporated (PPI)
- Pre-emergence
- Post-emergence

in either conventional tillage or minimum tillage programs.

If weeds escape a ppi or pre-emergence application, an additional post-emergence application may be necessary. Do not make more than one reapplication per year and only in the spring.

LIQUID FERTILIZERS (CORN):

For pre-plant incorporated and pre-emergence application, nitrogen solutions or complete Liquid Fertilizers may replace the water as a carrier.

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, check by mixing a small amount of AAtrex Nine-O with the Liquid Fertilizer.

DRY BULK GRANULAR FERTILIZERS:

Many dry bulk granular fertilizers may be impregnated with AAtrex Nine-O or AAtrex Nine-O plus DUAL (R1) as a pre-plant incorporated application to control weeds in corn.

Prepare the herbicide/fertilizer mixtures by using any commercially used dry bulk fertilizer blender. Spray the herbicide(s) uniformly onto the fertilizer.

If the herbicide/fertilizer mixture is too wet, the use of a highly absorptive powder such as Microcel E, diatomaceous earth or finely powdered clay is recommended. Generally less than 2% by weight of absorptive powder will be needed.

For best results, apply AAtrex Nine-O or AAtrex Nine-O plus DUAL/fertilizer mixtures uniformly to the soil with properly calibrated equipment immediately after blending and incorporate according to label directions.

NOTE: Apply a minimum of 225 kg per hectare of dry granular fertilizer impregnated with recommended rates of AAtrex Nine-O or AAtrex Nine-O plus DUAL 960 E tank mixtures. Do not impregnate AAtrex Nine-O or AAtrex Nine-O plus DUAL onto nitrate fertilizers, super phosphates or limestone.

AATREX NINE-O IN OIL-WATER EMULSIONS (POST-EMERGENT TREATMENT):
The post-emergent activity of AAtrex Nine-O is increased when applied in an oil-water emulsion. This combination produces satisfactory control of seedling broadleaf weeds up to 10 cm high. Always apply AAtrex Nine-O before the corn reaches 30 cm in height in order to favour degradation during the growing season. The combination of AAtrex Nine-O in oil-water emulsions has been particularly useful following periods of hot, dry weather, when weeds are more difficult to kill.

NOTE: Some injury to corn can occur with AAtrex Nine-O applied in oil-water emulsions, especially during cold, backward weather. There is no risk of corn injury when AATrex Nine-O is applied in water alone. 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 AAtrex Nine-O. The risk of damage to other vegetation from spray drift is increased with the use of AAtrex Nine-O in an oil-water emulsion.

MIXING AND SPRAYING INSTRUCTIONS:

This product should not be mixed/loaded, or used within 30 metres of all wells, lakes, streams, ponds, or sink holes in order to avoid the potential of well or surface water contamination. Where possible, use a nurse tank to fill your spray tank.

Mixing steps:

1. Spray equipment should be thoroughly flushed with clean water before mixing AAtrex Nine-O.
2. Fill spray tank 1/2 full with carrier. Engage gentle agitation.
3. Pour in the required amount of AAtrex Nine-O and/or wettable powder or wettable granule herbicides.
4. Fill tank 3/4 full and add liquid flowable herbicide if applicable.

5. Fill tank 9/10 full and add emulsifiable concentrate, liquid solutions or emulsifiable oils, as required. If adding emulsifiable oils, avoid excessive agitation to prevent mixture from forming a grease-like mass and settling out.
 6. Finish filling tank. Maintain gentle agitation during mixing and spraying operations.
 7. Do not let stand without agitation.
 8. When using a mixture of AAtrex Nine-O and emulsifiable oil, clean tank immediately after use with a strong detergent and clean water.
- Spray pressure 200 - 300 kPa
 - Spray volume - minimum 150 litres per hectare
 - Use 16 mesh suction screen. 50 mesh screens elsewhere on sprayer.

APPLICATION INFORMATION - CORN
FOR AATREX NINE-O ALONE, PPI AND PRE-EMERGENCE TREATMENTS:

SOIL TYPE	RATE OF APPLICATION/HA
Light and Sandy	1.1 - 1.7* kg AAtrex Nine-O
Loams and Clays	1.7 kg AAtrex Nine-O

*Use higher rate for heavy weed infestations. Rainfall is required within 10 days or a shallow cultivation will be necessary.

AAtrex Nine-O may be applied as an overall spray or as a band application. USE PROPORTIONATELY LESS PRODUCT FOR BAND APPLICATION.

PREPLANT INCORPORATED TANK MIXES (Silage, Field, Sweet Corn)

WEEDS CONTROLLED	PRODUCT RATES	
Broadleaf Weeds and Wild Oats	1.1 - 1.7 kg/ha AAtrex Nine-O	
Yellow Nutsedge, Annual Grasses and Broadleaf Weeds	1.1 - 1.7 kg/ha+ AAtrex Nine-O	2.0 - 2.75 L/ha DUAL 960 E

	1.1 - 1.7 kg/ha+ Aatrex Nine-O	5.5 - 8.5 L/ha SUTAN + 8 E (R2)
Annual Grasses and Broadleaf Weeds	1.1 - 1.7 kg/ha+ Aatrex Nine-O	4.25 - 5.5 L/ha SUTAN + 8 E
	1.2 - 1.5 kg/ha+ Aatrex Nine-O	4.4 - 5.5 L/ha BLADEX (R3) LIQUID
	1.2 - 1.5 kg/ha+ Aatrex Nine-O	2.65 - 3.35 kg/ha BLADEX 80 WP
	1.2 - 1.5 kg/ha+ Aatrex Nine-O	2.35 - 3.0 kg/ha BLADEX NINE-T

If tillage is intended after spraying, do not incorporate AAtrex Nine-O deeper than 5.0 cm.

CONSULT TANK MIX PARTNER LABELS FOR COMPLETE INSTRUCTIONS AND RESTRICTIONS.

PRE-EMERGENT TANK MIXES (Silage, Field, Sweet Corn):

WEEDS CONTROLLED	PRODUCT RATES	
Broadleaf Weeds and Wild Oats	1.1 - 1.7 kg/ha AAtrex Nine-O	
Broadleaf Weeds, Wild Oats and Triazine Tolerant Weeds*	1.1 - 1.7 kg/ha + AAtrex Nine-O	1.25 L/ha BANVEL(R4)480 1)2)
Annual Grasses and Broadleaf Weeds	1.1 - 1.7 kg/ha + AAtrex Nine-O	2.0 - 2.75 L/ha DUAL 960 E
Annual Grasses, Broadleaf Weeds and Triazine Tolerant Weeds*	1.1 - 1.7 kg/ha + AAtrex Nine-O	2.0 - 2.75 L/ha DUAL 960 E
		1.25 L/ha BANVEL 480 1) 2)
Annual Grasses and Broadleaf Weeds	1.4 - 1.7 kg/ha + Aatrex Nine-O	3.75 - 4.75 L/ha BLADEX LIQUID
	1.4 - 1.7 kg/ha + Aatrex Nine-O	2.25 - 2.75 kg/ha BLADEX 80 WP
	1.4 - 1.7 kg/ha + Aatrex Nine-O	2.0 - 2.5 kg/ha BLADEX NINE-T

Annual Grasses, Broadleaf Weeds & Triazine Tolerant Weeds*	1.2 kg/ha + AAtrex Nine-0	2.5 kg/ha BLADEX NINE-T
	+	1.25 L/ha BANVEL 480 1) 2)

* This tank mix will control triazine tolerant forms of the weeds listed on the BANVEL label.

CONSULT TANK-MIX PARTNER LABELS FOR COMPLETE INSTRUCTIONS AND RESTRICTIONS.

A firm, level seedbed free from large clumps and surface trash must be prepared to ensure uniform weed control. Do not use AAtrex Nine-0 on loose and rough seedbeds.

- 1) DO NOT APPLY TO SWEET CORN
- 2) Eastern Canada only.

POST-EMERGENT TANK MIXES (Silage, Field, Sweet Corn):

WEEDS CONTROLLED	PRODUCT RATES	
Broadleaf Weeds and Wild Oats	1.1 - 1.7 kg/ha + AAtrex Nine-0	17 L/ha emulsifiable crop oil
	1.1 - 1.7 kg/ha + Aatrex Nine-0	2.75 - 5.5 L/ha Kornoil Concentrate++
Broadleaf Weeds, Wild Oats and Triazine Tolerant Weeds*	1.1 - 1.7 kg/ha + AAtrex Nine-0	0.6 L/ha BANVEL 480 1)
	1.1 - 1.7 kg/ha + Aatrex Nine-0	0.85 L/ha KILMOR (R1)
Annual Grasses and Broadleaf Weeds	1.1 - 1.7 kg/ha + Aatrex Nine-0	2.0 - 2.75 L/ha DUAL 960 E
	1.2 kg/ha + AAtrex Nine-0	2.0 - 2.5 kg/ha BLADEX NINE-T
Annual Grasses, Broadleaf Weeds & Triazine Tolerant Weeds*	1.2 kg/ha + AAtrex Nine-0	2.0 - 2.5 kg/ha BLADEX NINE-T
	+	0.6 L/ha BANVEL 480 1)

*Tank mix with BANVEL or KILMOR will control triazine tolerant forms of the weeds listed on their labels.

CONSULT TANK MIX PARTNER LABELS FOR COMPLETE INSTRUCTIONS AND RESTRICTIONS.

++ Rate of Kornoil concentrate depends on water volume used.

Use 300 L water/ha at higher rate

- 1) DO NOT APPLY TO SWEET CORN.
- 2) DO NOT USE SUSPENSION FORMULATIONS OF BLADEX (CYANAZINE) POST-EMERGENCE DUE TO RISK OF CROP INJURY.

CAUTION: Do not mix oils, oil concentrates or surfactants or hormone-type herbicides with AAtrex Nine-O/Bladex.

- ALWAYS APPLY AATREX NINE-O BEFORE THE CORN REACHES 30 CM IN HEIGHT
- SOME INJURY TO CORN CAN OCCUR WITH AATREX NINE-O APPLIED IN OIL-WATER EMULSIONS UNDER CROP STRESS CONDITIONS.
- USE ONLY CROP OILS OR OIL CONCENTRATES LABELLED FOR USE WITH AATREX NINE-O.
- OILS CONTAMINATED WITH WATER OR OTHER MATERIALS CAN CAUSE COMPATIBILITY PROBLEMS, CROP INJURY, OR BOTH.

WEED CONTROL IN TRIAZINE TOLERANT CANOLA - EASTERN CANADA ONLY:

NOTE: Use AAtrex Nine-O on Triazine Tolerant Canola: pedigree seed only.

WEEDS CONTROLLED:

Non-triazine resistant varieties of: Wild Mustard
Lamb' s-Quarters

APPLICATION TIMING:

AAtrex Nine-O may be applied as a PRE-EMERGENCE application or as a POST-EMERGENCE application in an oil-water emulsion when the Triazine Tolerant Canola is at the 2-leaf stage (3 cm in height).

APPLICATION RATES:

Pre-Emergent:

SOIL TYPE	RATES PER HECTARE
Light and Sandy	1.2 kg
Loam and clay	1.7 kg

Post-Emergent:

Apply 0.8 kg of AAtrex Nine-0 plus 17 litres of an emulsifiable crop oil in 150 - 300 L of water per hectare.

CAUTION:

WHERE PLANTING OF TRIAZINE TOLERANT CANOLA IS DELAYED DUE TO INCLEMENT WEATHER CONDITIONS, OR, IF THIS CROP IS GROWN IN LOW HEAT UNIT AREAS, CHECK FOR RESIDUE CARRYOVER PRIOR TO ROTATING TO SUSCEPTIBLE CROPS.

WEED CONTROL IN LOWBUSH BLUEBERRIES

WEEDS CONTROLLED:	Browntop	Canola goldenrod*
	Poverty grass	Narrowleaf goldenrod*
	Sheep fescue	Solidago Bicolor*
	Hawkweed	Wild strawberry

* suppression only

APPLICATION RATES:

Apply 4.4 kg AAtrex Nine-0 per hectare.

TIMING OF APPLICATION:

Apply to native stands in the spring after burn and before new blueberry growth has emerged. CAUTION: Do not apply AAtrex Nine-0 to steep terrain where excellent weed control will result in soil erosion. Do not apply AAtrex Nine-0 to coarse textured soils low in organic matter.

WARNING:

Injury may occur if land treated with AAtrex Nine-0 is planted to any crop other than corn or triazine tolerant canola in the same season. One year after application there is virtually no hazard to most rotational crops when annual weed label rates are applied. Sugar beets and tobacco are sensitive to AAtrex Nine-0 and should not be planted on land treated with AAtrex Nine-0 the previous year. When extended periods of dry weather occur during the year of treatment, there can be some injury to succeeding crops such as white beans, onions, peas, tomatoes and turnips. Injury is most likely to occur when the seedling crop is subjected to periods of stress e.g. during periods of abnormally hot, dry weather. Under conditions of heavy rainfall sufficient to cause erosion, soil containing AAtrex Nine-0 may wash to lower areas of land and injury to existing or subsequent crops other than corn may result

THOROUGH TILLAGE INCLUDING PLOUGHING SHOULD PRECEDE THE PLANTING OF CROPS OTHER THAN CORN. PLOUGH THE LAND FLAT AS OPPOSED TO SETTING THE FURROW ON EDGE. UNEVEN APPLICATION OF AATREX NINE-0 OR APPLICATION IN EXCESS OF RECOMMENDED RATES WILL NOT INJURE CORN BUT MAY RESULT IN THE INJURY OF SUCCEEDING CROPS OTHER THAN

CORN.

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