

2000/2005

AGRICULTURAL

4 litres

2,4-D AMINE 600

LIQUID WEEDKILLER

For Selective Weed Control in
Wheat, Barley, Rye
Corn, Established Pastures, Roadsides,
Railways

WARNING POISON

READ THE LABEL BEFORE USING

KEEP OUT OF REACH OF CHILDREN

GUARANTEE: 2,4-D isomer specific (present as amine)564 g per litre

REGISTRATION NO. 16664 PEST CONTROL PRODUCTS ACT

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

B95/A-2

PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN. Harmful if swallowed. May irritate eyes and skin. Do not wear contact lenses when using chemicals. Do not smoke, eat, or drink while using this product. Do not mix with fertilizers containing nitrogen. Do not use the same sprayer for this product and other pesticides to be applied to susceptible crops or plants. Do not contaminate food, water supplies or animal feed. Keep any unused product in resealed original container away from food, feed, or fertilizer.

FIRST AID

In case of poisoning, call physician or poison control centre. **If on skin**, wash thoroughly with soap and water. **If in eyes**, flush with water for 5-10 minutes and get medical aid. See doctor if irritation persists. **If swallowed, call a physician or Poison Control Centre.**

TOXICOLOGICAL INFORMATION

Contains 2,4-D and petroleum distillates. If stomach evacuation is necessary, avoid aspiration. Use activated charcoal to adsorb any remaining product in gut. Treat symptomatically for CNS depression (ingested) or irritation (on eyes and skin).

EMERGENCY TELEPHONE NUMBER

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

STORAGE

Store in a cool dry well ventilated area away from foodstuffs and out of the reach of children and animals. Keep product from freezing. Avoid freezing: If frozen, warm to at least 5°C and shade thoroughly before opening and using.

PROTECTIVE CLOTHING AND EQUIPMENT

Handling the concentrate (mixing and loading): wear long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes, and protective eye wear (face shield or safety glasses). Rinse gloves before removal.

Coveralls or a chemical-resistant apron should also be worn when open pouring from containers greater than 5 L.

Handling the dilute spray solution (during application or repairing or cleaning equipment): wear a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes. Rinse gloves before removal.

Gloves are not required during application when applicator is in an enclosed tractor or in an enclosed airplane cockpit.

OPERATOR USE PRECAUTIONS

- * Wear freshly laundered clothing and clean protective equipment daily.

- * Rinse gloves before removal.
- * Wash hands before eating, drinking, using tobacco or using the toilet.
- * If herbicide penetrates clothing remove immediately; then wash thoroughly and put on clean clothing. Throw away clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate.
- * After using this product, remove clothing and launder separately, and promptly and thoroughly wash hands and exposed skin with soap and water. Follow manufacturer's instructions for cleaning personal protective clothing and equipment. If no such instructions for washables are provided, use detergent and hot water. Keep and wash personal protective equipment separate from household laundry.
- * After work, remove all clothing and shower using soap and water.

TRANSFER SYSTEM

Containers larger than 20L: Use a transfer system that avoids pouring when transferring the liquid concentrate from such containers into the spray tank.

DISPOSAL

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

USE PRECAUTIONS FOR AERIAL APPLICATION ON CEREAL CROPS, ESTABLISHED PASTURES AND NON-CROP LAND

- * Avoid direct applications to any body of water. Do not contaminate water through spray drift or cleaning of equipment or disposal of wastes.
- * Use a minimum of 30 L/ha spray volume. Use boom pressure of 235

kPa or less. Avoid placing nozzles where spray will enter wing tip vortices.

- * Do not apply this product directly to, or otherwise permit it to come into direct contact with desirable crops or other desirable broadleaf plants or non-target species and do not permit spray mists to drift onto them.
- * Coarse sprays are less likely to drift, use only nozzles or nozzle configuration which minimize the production of fine spray drops. Do not angle nozzles forward into the airstream and do not increase spray volume by increasing nozzle pressure. When spraying, avoid combination of pressure and nozzle type that will result in fine particles (mist) which are more likely to drift. A spray thickening agent or drift retardant may be used with this product to aid in reducing spray drift.
- * Do not use human flaggers.
- * Avoid Spray Drift: Apply only when there is little or no hazard from spray drift. Small quantities of the spray, which may not be visible, may seriously injure susceptible crops and damage sensitive non-target habitat. A method must be used to detect air movement, lapse conditions, or temperature inversions (stable air) such as the use of balloons or a continuous smoke column at or near the spray site or a smoke generator on the spray equipment. If the smoke develops into layers or indicates a potential for hazardous spray drift, do not spray.
- * Buffer Zones: Appropriate buffer zones should be established between treatment areas and aquatic systems and treatment areas and significant wildlife habitat.

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.

DIRECTIONS FOR USE

DIRECTIONS GROUND OR AIRCRAFT APPLICATION

Mix thoroughly with clean water and provide continuous gentle agitation during spraying.

WHEAT, BARLEY and RYE: Treat only from 4 leaf to flag-leaf stage. Treatment at the 4 leaf stage usually combines maximum crop tolerance and weed susceptibility. Do not apply before the 4 leaf

stage or leaf and spike deformities will develop. Do not apply after the flag-leaf stage or during boot and flowering stages to avoid sterility. If weeds warrant spraying prior to 3 leaf stage, METHOXONE® (MCPA) results in less crop injury than 2,4-D.

Pre-harvest Intervals

- * Do not permit lactating dairy animals to graze fields within 7 days after application.
- * Do not harvest forage or cut hay within 30 days after application.
- * Withdraw meat animals from treated fields at least 3 days before slaughter.

WINTER WHEAT and FALL RYE: Treat in spring when crop commences growth until the flag-leaf stage. Do not apply in fall. Do not apply if crop is underseeded to legumes, particularly alfalfa and sweet clover, unless injury to legumes can be tolerated.

Pre-harvest Intervals

- * Do not permit lactating dairy animals to graze fields within 7 days after application.
- * Do not harvest forage or cut hay within 30 days after application.
- * Withdraw meat animals from treated fields at least 3 days before slaughter.

CORN: Apply when corn is 15 cm high and when most weeds have germinated but are still in the seedling stage. When corn is higher than 15 cm use drop nozzles directing spray at base of plants up until corn is 75 cm high, or prior to two weeks before silking or tasselling. Apply at 1 L/ha in 50 to 200 L of water.

Pre-harvest Interval

- * Do not permit lactating dairy animals to graze fields within 7 days after application.
- * Do not harvest as forage within 30 days after application.
- * Withdraw meat animals from treated fields at least 3 days before slaughter.

CAUTION: Do not use on PEAS, OATS, LEGUMES, UNDERSEED CROPS: On these use METHOXONE (MCPA). Local conditions may affect the use of herbicides. Provincial agricultural authorities issue recommendations to suit local conditions. For aerial application exercise special care:

- 1) Do not spray in winds exceeding 8 km/h.
- 2) Do not spray in dead calm near sensitive plants. The "cloud" of suspended droplets may drift onto sensitive plants when wind comes up.
- 3) Spray only when wind is blowing away from a sensitive crop, shelterbelt or garden.

| SUGGESTED RATES TO USE ON CEREAL CROPS NOT UNDERSEEDED TO LEGUMES AND See Cautions | | | |
|---|---|---|---|
| WEED GROWTH | litres 2,4-D Amine 600 L.V. per ha | grams 2,4-D active per hectare | hectares treated per litre |
| Very susceptible (easy to kill) Weeds: Mustard, Ragweeds, Lamb's-Quarters, Thyme-leaved Spurge | 0.450 to 0.700 | 275 to 425 | 1.8 to 1.2 |
| Susceptible Weeds: Cocklebur, Plantain, Kochia, Prickly Lettuce, Russian Pigweed, Shepherd's Purse (seedling), Stinkweed, Goat's beard (seedlings) | 0.700 to 0.900 | 425 to 550 | 1.2 to 0.9 |
| Intermediate Weeds: Bluebur, Flixweed, Redroot Pigweed, Russian Thistle, Canada Thistle*, Shepherd's Purse, Oak-leaved Goosefoot, Purslane, Dandelions (field)*, Curled Dock*, Dog Mustard*, Field Bindweed | 0.900 to 1.4 | 550 to 850 | 0.9 to 0.6 |
| Resistant Weeds: (hard to kill) Leafy Spurge, Chickweed, Chicory, Smartweed, Knotweed, Wild Buckwheat, Groundsel, Pepper-grass, Lady's thumb, May-weed, Field Horsetail, Night-Flowering Catchfly, Pineappleweed, Blue Lettuce **, Sow Thistle **, Russian Knapweed ** | 1.4 | 850 | 0.6 |

NOTE: Apply lower rate to rapidly growing seedlings. Apply higher

rate to heavy infestations. Apply in 45 to 225 L of water per hectare. The higher rate may cause injury which will frequently be offset by a higher relative yield from a less weedy crop.

* Top growth control for those weeds.

** Apply minimum rate 850 g/ha to control top growth.

FAIRWAYS AND LAWNS: Use 1.5 to 2.75 L/ha. For small areas 20 mL in 10L water treats 100 m². For mixed weed populations, better control will result from the use of Chipman Lawn Weedkiller.

Maximum Application Frequency to Turf

* For good turf/lawn management, normally two applications per year per treatment site are adequate. This does not include spot treatments.

Re-entry Interval for Turf

* Do not allow people (other than applicator) or pets on treatment area during application. Do not enter treated areas until spray has thoroughly dried.

ESTABLISHED PASTURES: If no legumes are present, use 1.5 to 2.75 L/ha (15 to 30 mL per 100 m²) early in summer when weeds are in bud or in the fall. For 2,4-D resistant weeds, consult the provincial spray guide. Repeat treatments may be necessary. If legumes are present use METHOXONE® (MCPA).

Pre-harvest Intervals

- * Do not permit lactating dairy animals to graze fields within 7 days after application.
- * Do not harvest forage or cut hay within 30 days after application.
- * Withdraw meat animals from treated fields at least 3 days before slaughter.

ROADSIDES AND WASTELAND: Use 1.5 to 4.5 L/ha in June to July (15 to 30 mL/100 m²). Use low pressure and apply at least 550 L of water per hectare using at least 1700 L of water per hectare on dense weeds and Wild Carrot. For 2,4-D resistant weeds, consult the provincial spray guide.

WOODY PLANTS IN NON-CROPLAND WASTE AREAS: Willow, Alder, Sumac, Elderberry - Use 3.5 to 7.5 L/ha in 1000 L of water. Wet foliage and stems to the point of run-off. Cut off brush or trees over 2 metres and spray regrowth.

WESTERN CANADA ONLY:

WOODY GROWTH: Such as western snowberry, willows, poplars in pastures, and rangeland drainage ditches, roadsides use 2 to 5.5 L/ha in 150 or more litres water when plants are in full leaf. For mixed woody growth resistant to 2,4-D, use a brushkiller as recommended by provincial spray guide.

Pre-harvest Interval

- * Do not permit lactating dairy animals to graze fields within 7 days after application.
- * Do not harvest forage or cut hay within 30 days after application.
- * Withdraw meat animals from treated fields at least 3 days before slaughter.

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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