

SEE 2,4-DB

HERBICIDE

COMMERCIAL

READ THE LABEL BEFORE USING

GUARANTEE: 2,4-DB.....480 g/L  
(present as Iso-octyl Ester)

REGISTRATION NO. 21647  
PEST CONTROL PRODUCTS ACT

For weed control in seedling and established alfalfa, birdsfoot trefoil, pastures, wheat, barley, oats and field corn.

FIRST AID AND TOXICOLOGICAL INFORMATION

1. In case of poisoning, call a physician immediately.
2. If on skin, remove contaminated clothing and wash skin thoroughly with soap and water.
3. If in eyes, flush with water immediately and continuously for 5-10 minutes. Obtain medical attention.
4. If swallowed, do not induce vomiting, but rush patient to nearest hospital or doctor's office. Take the pesticide label with you.

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Steps to Safe Use:

1. Wear rubber gloves and coveralls before handling any crop protection product.
2. Fill all spray tanks away from sloughs, creeks, or any other waterway.
3. Use a nurse tank or long hose to fill your spray tank.
4. Wash off any spill immediately. Wash all clothing that was worn while filling and spraying. Use a separate wash for contaminated clothing.
5. Do not apply with ground spray equipment when wind exceeds 15 km/h.
6. Store all chemicals in a safe place under lock and key.

7. Always store chemicals in the original container.

#### GENERAL INFORMATION

SEE 2,4-DB is a post-emergent herbicide for the control of broadleaf weeds in seedling and established alfalfa, birdsfoot trefoil, seedling clover, wheat, barley, oats, field corn and in pasture containing forage legumes. SEE 2,4-DB is a new milky-looking, water-based formulation of 2,4-DB isooctyl ester. Using new production technology, 2,4-DB isooctyl ester is finely dispersed in water, forming a stable concentrated emulsion. In susceptible plants, SEE 2,4-DB is metabolized into 2,4-D which is the herbicidally-active compound. In tolerant plants like legumes, SEE 2,4-DB is broken down into herbicidally non-active metabolites. SEE 2,4-DB is non-corrosive to equipment, non-flammable and can be stored under freezing conditions. If SEE 2,4-DB is frozen, completely thaw it and then shake the container thoroughly. SEE 2,4-DB then is ready for application.

Mixing: Fill spray tank about 1/2 full with water. With agitation, add the required amount of SEE 2,4-DB. While continuing to agitate, add the remainder of the water. Agitation should be maintained while spraying until tank is empty. SEE 2,4-DB mixes easily with liquid fertilizer. SEE 2,4-DB mixes thoroughly in any water hardness up to 2,000 ppm.

Application Procedure: Apply SEE 2,4-DB with a boom sprayer properly calibrated at constant speed and delivery. Application should be made using 170-200 liters of water per hectare. Pressure should not exceed 275 kPa. Thorough coverage of the weeds is essential for best results.

Do not apply SEE 2,4-DB through any type of irrigation system.

Timing: SEE 2,4-DB is most effective on actively growing weeds in the 2-4 leaf stage. Delay in spraying which permits weeds to grow beyond the proper application time may result in poor control. If weeds are under stress and not actively growing, they are harder to kill and may require a second application. Do not apply when crop is stressed from lack of moisture. Apply this product only as specified on this label.

Spray Equipment: Spray equipment previously used to apply another pesticide, including other phenoxies, must be thoroughly cleaned with alkali and water before adding SEE 2,4-DB. Similarly, after using SEE 2,4-DB wash sprayer thoroughly before using again to spray susceptible crops. Do not use near greenhouses. Observe all cautions and limitations on labelling of all products used in mixtures. Use agitation to keep solution well mixed. Calibrate sprayer accurately.

#### SEEDLING AND ESTABLISHED ALFALFA, BIRDSFOOT TREFOIL AND CLOVERS

Application; Do not use on sweet clover and other legumes not mentioned on this label and on established alfalfa and clover used for seed production. For use on seedling alfalfa, birdsfoot trefoil and clovers, spray when the

crop has reached the 1-2 trifoliate leaf stage and growing conditions are good. In established alfalfa, certain weeds will emerge in the fall and over winter in a rosette stage. Best control of these weeds will result from application in late fall. Do not apply after flowering. Weeds must be in the young seedling stage and actively growing to achieve satisfactory results. For best results, spray weeds in the 2-4 leaf stage of growth. FOR BETTER WILD MUSTARD CONTROL in seedling alfalfa and birdsfoot trefoil, SEE 2,4-DB at the reduced rate of 1.65 L/hectare may be tank mixed with MCPA Amine 500 (500 g/L) at 70 mL/hectare. This tank mix may increase crop stunting. Refer to the weed chart for special information.

#### CEREALS (WHEAT, OATS, BARLEY)

Application; Apply SEE 2,4-DB after the crop has fully expanded leaves but before the early flag leaf stage. Oats will be damaged if treated before 5-leaf stage. Weeds must be in the young seedling stage and actively growing to achieve satisfactory results. For best results, spray weeds in the 2-4 leaf stage of growth. Refer to the weed chart for specific weed information.

#### FIELD CORN

Application; Apply SEE 2,4-DB after field corn is at least 40 cm high but before tasselling. Use drop nozzles to avoid spraying corn leaves.

Weeds must be in the young seedling stage and actively growing to achieve satisfactory results. For best results, spray weeds in the 2-4 leaf stage of growth. Refer to the weed chart for specific weed information.

#### PASTURE CONTAINING FORAGE

Apply SEE 2,4-DB after cutting or grazing, preferably when the regrowth is not above 7 cm. NOTE: Damage may occur, especially to established alfalfa, and is likely to increase in severity, the longer treatment is delayed beyond the stage recommended above. Where thistle, yellow rocket or chicory are present, grazing is preferable to cutting.

#### WEED CHART

Annual Weeds Controlled	Rate
Wormseed Mustard, Wild Mustard*, Ball Mustard, Stinkweed, Ragweed, Redroot Pigweed, Shepherd's purse, Lambsquarters	2.25 Litres per hectare
Oakleaved Goose Foot, Wild Buckwheat, Wild Radish, (Note: Best results occur when weeds are sprayed in the 1-2 leaf stage.)	3.00 Litres per hectare

Lady's Thumb, Green Smartweed (seedlings stunted only, but competitive ability is reduced)		3.75 Litres per hectare
Perennial Weeds	Spray Stage	Rate
Bull thistle Perennial sow thistle Canada thistle	Rosette to early bud. Rosette Top growth only. Spray from 15 cm to early bud.	2.25-3.75 litres per hectare
Curly dock Plaintain Field bindweed	Early growth Before flowering Top growth reduced. For best results, spray in late summer.	
Yellow rocket	Spray between 3rd week in September and middle of Oct.	3.00 liters per hectare 3.50 liters per hectare 3.50 liters per hectare
Chicory Narrow leafed hawksbeard	Rosette Rosette stage in fall after legume growth ends.	
Dandelion	Top growth only. Spray before bud stage.	
Horsetail	Top growth only. Spray when 10-12 cm high	

IMPORTANT NOTICE Use lower rate on susceptible weeds in the seedling stage. Use the higher rates for older, heavy weed infestations and under poor growing conditions.

Do not exceed recommended rate for each crop. Apply product in warm weather. Do not apply under drought conditions.

\* See tank mix on previous page.

#### PRECAUTIONS

1. Keep out of reach of children.
2. Avoid contact with eyes, skin and clothing. Potential skin sensitizer. May cause skin irritation.
3. Do not breath spray mist or vapours. Avoid spray or vapour drifts on to susceptible plants such as grapes, tomatoes, tobacco, sugar beets, sunflowers, beans, turnips, cauliflower, cabbage, alfalfa, clover, peas, potatoes, ornamental trees, shrubs or flowers, fruit trees, lawns, most vegetable crops, or other desirable vegetation.
4. Do not spray when there is any danger of wind drift or on exceptionally

hot days over 30'C.

5. Drift from spray may be reduced by using high volume sprays under low pressure, coarse sprays, and drop nozzles. Use special care in airplane application where danger from drift is greater.
6. For aerial application, exercise special care:
  - 1) Do not spray in winds exceeding 8 km per hour.
  - 2) Do not spray in dead calm near sensitive plants. A cloud of suspended droplets may drift onto sensitive plants when the wind comes up.
  - 3) Spray only when the wind is blowing away from a sensitive crop, shelter belt or garden.
7. Do not contaminate any body of water, avoid contamination of foods.
8. Do not use in a greenhouse.
9. Keep in original container.
10. Do not store near or in the same room as seeds, feeds, fertilizers or other pesticides.
11. Clean spray equipment thoroughly after use. Do not use spray equipment for other purposes. Do not reuse empty containers.

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

#### FIRST AID AND TOXICOLOGICAL INFORMATION

1. In case of poisoning, call a physician immediately, or contact a Poison Control Centre.
2. If on skin, remove contaminated clothing and wash skin thoroughly with soap and water.
3. If in eyes, flush with water immediately and continuously for 5-10 minutes. Obtain medical attention.
4. If swallowed, do not induce vomiting, but rush patient to nearest hospital or doctor's office. Take the pesticide label with you.

#### PRECAUTIONARY STATEMENTS

##### HAZARDS TO HUMANS

Harmful if swallowed. Harmful if absorbed through the skin. Potential skin sensitizer. Avoid contact with skin, eyes or clothing. Remove contaminated clothing and wash before reuse. Wash thoroughly after handling. Harmful if inhaled. Avoid breathing vapour, spray mist or dusts.

##### ENVIRONMENTAL HAZARDS

Do not discharge into lakes, streams, ponds or public waters. Do not apply when weather conditions favour drift from target area. STORAGE Do not contaminate food, feed or water by storage or cleaning of equipment. Do not store with seeds, foodstuffs or near insecticides, fungicides or fertilizers. Open dumping or burning is prohibited. Do not reuse container.

##### 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.

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.

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 of handling of this product and accepts the product of that condition.

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