

04-DEC-2001

**VALOR®**

**HERBICIDE**

**FOR SOYBEANS**

**AGRICULTURAL**

**BASF**

**GUARANTEE:**

imazethapyr . . . . . 22 g/L  
pendimethalin . . . 320 g/L

REGISTRATION NO. 24269

PEST CONTROL PRODUCTS ACT

**CAUTION                      POISON**

**NET CONTENTS: 9.5 Litres**

**WARNING SKIN AND EYE IRRITANT**

**KEEP OUT OF REACH OF CHILDREN**

**READ THE LABEL AND BOOKLET BEFORE USING**

IN CASE OF EMERGENCY ENDANGERING LIFE OR PROPERTY  
INVOLVING THIS PRODUCT, CALL DAY OR NIGHT  
**1-800-454-2673**

**BASF Canada**

345 Carlingview Drive  
Toronto, Ontario  
M9W 6N9

® Registered Trademark of BASF.

**PRECAUTION**

- KEEP OUT OF REACH OF CHILDREN.
  - HARMFUL IF SWALLOWED, INHALED OR ABSORBED THROUGH THE SKIN.
  - AVOID CONTACT WITH EYES, SKIN AND CLOTHING. Wear goggles or face shield during mixing or loading. Wear chemical resistant gloves (such as nitrile) and long sleeved coveralls during mixing, loading, clean up and repair.
  - AVOID BREATHING VAPOUR OR SPRAY MIST.
  - Wash thoroughly with soap and water after handling.
  - Remove contaminated clothing and wash before reuse.
  - WARNING - may irritate skin and eyes.
  - Handle with care and mix only in a closed container. Use only in a well ventilated area. When using do not eat, drink or smoke. Take a shower immediately after work. Store and wash all protective clothing separately from household laundry.
- S** If this pest control product is to be used on a commodity that may be exported to the U.S. and you require information on acceptable residue levels in the U.S., contact 1-866-375-4648 or [www.cropro.org](http://www.cropro.org).

#### **FIRST AID**

##### **IN CASE OF EYE CONTACT:**

Flush with plenty of water. Get medical attention or contact a poison control centre immediately.

##### **IF SWALLOWED:**

Do not induce vomiting. Get medical attention or contact a poison control centre immediately.

##### **IF ON SKIN:**

Wash with plenty of soap and water. Get medical attention if irritation persists.

**IF INHALED:**

Remove victim to fresh air.

Never give anything by mouth to an unconscious person. Remove victim to a safe, uncontaminated area. If victim has ceased breathing, clear airway and start artificial respiration. Obtain medical attention.

Take container, label or product name and Pest Control Product Registration number with you when seeking medical attention.

**TOXICOLOGICAL INFORMATION**

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**ENVIRONMENTAL HAZARDS**

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DO NOT contaminate water when cleaning equipment or disposing of wastes.

**STORAGE**

Keep from freezing. DO NOT STORE BELOW 4°C. Extended storage at temperatures below 4°C can result in the formation of crystals on the bottom of the container. If crystallization does occur, shake well to re-dissolve crystals before using. DO NOT store near food or feed products.

**DISPOSAL**

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municipality for the location of the nearest collection site. Before taking the container to the collection site:

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#### **NOTICE TO BUYER**

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#### **NOTICE TO USER**

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#### **GENERAL**

VALOR is a selective herbicide that can be applied preplant incorporated from 45 days prior to planting soybeans. After VALOR is applied, some susceptible weeds emerge, growth stops and the weeds wither, die or are not competitive with the crop.

The weed killing activity of VALOR involves herbicide uptake by weed roots and rapid translocation to the growing points. Therefore, adequate soil moisture is important for optimum VALOR activity. When adequate soil moisture is present, VALOR will provide residual control of susceptible germinating

weeds. Unusually cold, excessively wet or hot and dry conditions that delay germination or extend germination over a long period of time may reduce weed control.

Replanting: If replanting is necessary in a field previously treated with VALOR the field may be replanted to soybeans. Rework the soil no deeper than the treated zone. Do not apply a second treatment of VALOR.

### **ROTATIONAL CROP RESTRICTIONS**

The following rotational crops may be planted the season following VALOR use in soybeans:

- Field corn
- Soybeans
- White & Kidney Beans

There is insufficient information to clearly define what additional rotational crops can be planted the season following VALOR.

DO NOT plant other rotational crops prior to 18 months after a VALOR application.

Only rotational crops harvested at maturity may be used for feed or food.

#### **Planting Depth:**

Soybeans should be planted at least 5 cm deep.

**RATE:** 3.4L/ha of VALOR in 100 to 400 litres of water per hectare.

### **MIXING INSTRUCTIONS**

Fill the spray tank one-half to three quarters full with clean water. While agitating add the required amount of product and then fill the remainder of the tank with water. Maintain agitation while spraying to ensure a uniform spray mixture.

### **WEEDS CONTROLLED**

The following grass and broadleaf weeds are controlled by recommended treatments of VALOR:

## **GRASSES**

Barnyard grass  
Foxtail  
  green  
  yellow

## **BROADLEAF WEEDS**

Lamb's-quarters, common  
Velvetleaf  
Redroot Pigweed

**VALOR will provide partial control and reduce competition from:**

Ragweed, common

## **SOIL APPLICATION INSTRUCTIONS**

VALOR MUST BE SOIL APPLIED AND INCORPORATED IN THE SOIL PRIOR TO PLANTING. DO NOT apply after planting soybeans as crop injury may occur.

VALOR controls weeds by uptake by weed roots and translocation to the growing points where it stops weed growth.

Adequate soil moisture is required for optimum activity. The amount of rainfall or irrigation required following application depends on existing soil moisture, soil texture and organic matter content. Sufficient water to moisten the soil to a depth of 5 cm is normally adequate. If adequate moisture is not received, then a cultivation is recommended to control escaped weeds. When adequate moisture is received after dry conditions, VALOR will provide residual control of susceptible germinating weeds; activity on established weeds will depend on the weed species and the location of its root system in the soil. Weeds which continue to grow beyond the 2 true leaf stage may be escapes and should be controlled by tillage or application of a post-emergent herbicide.

## **PREPLANT INCORPORATED APPLICATION**

VALOR may be applied following land preparation and should be thoroughly incorporated to a depth of 5 cm. Incorporate prior to soybean planting. Mechanical incorporation can be achieved

by the following:

- a) Disk harrow set to cut 7 - 10 cm. deep and operated at 6 to 10 kph with the second pass at an angle to the first.
- b) PTO-driven equipment (tillers, cultivators, hoes) set to cut deep and operated one time at 6 kph or less.
- c) Field cultivator with 3 to 4 rows of sweeps (Do not use chisel points), spaced at intervals of 10 cm or less and staggered so that no soil is left unturned, set to cut 7 cm deep and operated two times at more than 7 kph with the second pass made at an angle to the first.
- d) LELY-Roterra® set and operated according to the manufacturer's directions to thoroughly incorporate VALOR to a depth of 2 to 7 cm.
- e) Do-All set and operated according to the manufacturer's directions to incorporate VALOR 2 to 7 cm deep and operated at 6 to 10 kph.

If soybeans are planted on beds, apply and incorporate after bed formation using PTO-driven equipment or a rolling cultivator.

#### **WARNINGS**

- ONLY soybeans, field corn or winter wheat may be planted the season following a VALOR preplant incorporated application.
- DO NOT apply VALOR on coarse textured soils or soils with less than 3% organic matter.
- DO NOT overapply VALOR herbicide. Over application may result in injury particularly if the crop is under stress.
- Allow an interval of 100 days following the last VALOR application before soybean harvest.
- CAUTION: Do not graze the treated crops or cut for hay; sufficient data are not available for such use.
- Keep this product out of waterbodies and wildlife

habitat. The use of buffer zones reduces potential off-site drift or runoff impacts away from the target area. Leave a 15 metre buffer zone between the treated area and fish and wildlife habitat.

- DO NOT let spray drift contaminate crops other than those being sprayed.
- DO NOT APPLY BY AIR. APPLY WITH GROUND EQUIPMENT ONLY.
- ONLY ONE (1) application of VALOR herbicide may be made during the season.
- Emerged weeds which reach the 2 - 3 true leaf stage might be considered as escapes. Shallow cultivation or application of a postemergence herbicide is recommended. DO NOT cultivate deeply.
- DO NOT apply VALOR herbicide more than one year in sequence. DO NOT apply VALOR herbicide and PURSUIT® herbicide preplant incorporated in sequential years. Allow at least 24 months between preplant incorporated applications of these herbicides. DO NOT apply PROWL® herbicide in the year following the application of VALOR herbicide. DO NOT apply VALOR herbicide in the year following the application of PROWL herbicide.
- In cases of crop failure, only soybeans may be re-planted in the year of application. Soil preparation for re-planting should be no deeper than 10 cm.
- DO NOT apply VALOR herbicide when crop is under stress conditions because crop injury may result.
- Several herbicides control weeds in a manner similar to VALOR. These products (PURSUIT1, PINNACLE) should not be used in the same season as VALOR to control escaped weeds.

® All other products listed are registered trademarks of their respective companies

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