

90.09.20

PATORAN (R) 50WP

WATER SOLUBLE BAG

AGRICULTURAL

HERBICIDE

Wettable Powder for selective pre-emergence weed control in speciality beans, soybeans and potatoes.

Net Weight: 800 g

GUARANTEE:

metobromuron 50 %

READ THE LABEL BEFORE USING

PATORAN (R) 50WP is contained inside this bag in a "Water Soluble Bag".

Fill tank 1/4 full with water, peel open the outer package at the top, then drop the inner water soluble bag directly into the spray tank. (See diagram) Do not touch it with wet gloves. Do not open water soluble bag. (Not for Resale) Store in dry location.

KEEP OUT OF REACH OF CHILDREN.

PEEL OPEN THIS PACK AT TOP

POUR INNER BAG DIRECTLY INTO SPRAYER

REGISTRATION NO.: 21,494

PEST CONTROL PRODUCTS ACT

CIBA-GEIGY CANADA LTD.

Agricultural Division

6860 Century Avenue

Mississauga, Ontario

L5N 2W5

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.

FIRST AID: In case of poisoning, call a physician immediately. If swallowed, give the patient 1-2 glasses of water and cause vomiting by inserting finger down the throat. Repeat with water until vomit fluid is clear. The patient should be lying down with the head below the level of the feet. Do not try to cause vomiting if the patient is unconscious or in a convulsive state. If in eyes, flush with copious amounts of clear water. Obtain medical attention. If on skin, wash with soap and water.

CAUTIONS: KEEP OUT OF THE REACH OF CHILDREN. Harmful if swallowed. Avoid inhalation of spray mist. Avoid contact with skin and eyes. Do not eat, drink or smoke while mixing or during application. Change clothing after use. Wash with soap and water after use. Avoid application when weather conditions favour drift from treated areas. Avoid contamination of food and feed. Do not contaminate streams, lakes, ponds, irrigation water, water used for livestock or domestic purposes. Do not re-use outer bag; destroy when empty.

STORAGE: This product must be maintained in dry storage below 25'C to maintain the integrity of the water soluble bag.

DECONTAMINATION AND DISPOSAL:

1. Empty the contents of the outer bag into the spray tank.
2. Make the empty outer bag unsuitable for further use.
3. Dispose of the outer bag and carton 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.

CROP INFORMATION: Patoran (R) 50WP provides selective weed control in:
Specialty Beans (dry common (white, kidney, pinto), snap common
(yellow and green), lima and adzuki)

Soybeans

Potatoes

WEEDS CONTROLLED:

| | |
|--------------------|--------------------|
| Pigweeds 1) | Lady's-thumb 1) |
| Lamb's-quarters 1) | Green Smartweed 1) |
| Ragweed | Purslane 1) |

| | |
|---------------------|---------------------|
| Shepherd's-purse 1) | American Nightshade |
| Mustards 1) | Stinkweed |
| Chickweed | Groundsel |
| Cudweed 1) | Corn Spurry 1) |

1) Controlled with a reduced rate of Patoran

WEEDS SUPPRESSED:

| | |
|----------------|------------------|
| Barnyard Grass | Witchgrass |
| Crabgrass | Annual Bluegrass |
| Green Foxtail | |

MIXING AND SPRAYING INSTRUCTIONS:

Spray Pressure: 200 - 300 kPa
Spray Volume: 170 - 350 L of water per hectare
Mesh Size: 16 mesh suction screen
50 mesh in-line and tip screens

1. Fill the sprayer tank 1/4 full with water. Start gentle agitation. Keep by-pass line on or near bottom of the tank to minimize foaming.
2. Add Patoran 50WP to the spray tank by peeling the outer package at the top, then drop the inner bag(s) into the sprayer tank. Do not touch inner bag with wet gloves (see diagram on front panel). Allow six (6) minutes for complete mixing.
3. Fill tank 9/10 full of water and then add Dual (R), if necessary.
4. Complete filling the sprayer and maintain gentle agitation while mixing and spraying.
5. Do not let tank contents stand without agitation. If spraying is interrupted, thoroughly re-agitate before resuming application.
6. Spray equipment should be thoroughly flushed with clean water and drained before and after use of Patoran 50WP.

APPLICATION INFORMATION:

PRE-EMERGENT APPLICATION

- Apply after planting but prior to emergence of crop and weeds.
- After treatment leave the soil undisturbed for as long as possible.
- Apply evenly to a lump- and trash-free, firm seedbed.
- Can be applied as an overall spray or as a band treatment.
- For band application, mount a suitable press wheel ahead of nozzle to level the band and use proportionately less material.
- Patoran can be applied alone or in combination with Dual (tank mix or sequential applications). Consult the Dual label for precautions, warnings, restrictions, mixing and spraying instructions and detailed directions for use.
- Rainfall (1-2 cm) is required to activate Patoran 50WP.
- A shallow cultivation or rotary hoeing will control weed escapes and

- move Patoran into moist soil.
- Minimize exposure of untreated soil when cultivating.

CAUTIONS: Do not apply Patoran 50WP to soils with less than 2% organic matter or soils containing more than 70% sand. Do not apply Patoran 50WP to crops that have emerged. Heavy rainfall after application may cause damage to beans as Patoran 50WP can leach into the root zone or "splash-up" onto seedling plants. Rotary hoeing 2-3 days after application will break up crusted soil and minimize the risk of crop injury. Beans should be planted at least 4 cm deep.

SPECIALITY BEANS: (Dry common (white, kidney and pinto), Snap common (yellow and green), Lima and Adzuki)

PATORAN 50WP ALONE:

| WEEDS CONTROLLED | SOIL TEXTURE | RATE (kg/ha) | AREA TREATED PER SOLUBAG |
|------------------------------------|--------------|--------------|--------------------------|
| Broadleaf Weeds | Sandy Loam | 2.75 | 0.3 ha (0.75 acre) |
| | Clay | 2.75 | 0.3 ha (0.75 acre) |
| Broadleaf Weeds and Annual Grasses | Sandy Loam | 3.25 | 0.25 ha (0.6 acre) |
| | Clay | 3.25 | 0.25 ha (0.6 acre) |

PATORAN 50WP PLUS DUAL (SEQUENTIAL APPLICATIONS): EASTERN CANADA ONLY

| WEEDS CONTROLLED | RATE PER HECTARE DUAL 960E | RATE PER HECTARE PATORAN 50WP | AREA TREATED PER SOLUBAG |
|---|-------------------------------------|---|---|
| Nutsedge, Annual Grasses and Broadleaf Weeds (Sequential Application) | Preplant Incorporated 1.75-2.75L | Pre-emergent 2.25-2.75 kg (sandy & silt loam) 2.75 kg (clay loam) | 0.3-0.35 ha (0.75-1.0 acre) 0.3 ha (0.75 acre) |

NOTE: Use the higher rate of Dual 960E for heavier weed problems. Use the higher rate of Patoran 50WP on heavier soils.

CAUTIONS: Do not tank mix Patoran 50WP with Dual 960E. Do not soil incorporate Patoran + Dual. Do not use more than 2.25 kg/ha of Patoran 50WP on the varieties Yellow Eye, Cranberry, White Kidney, Light Red Kidney, Dark Red Kidney and Provider. Do not use Patoran 50WP on the variety Slim Green. DO NOT USE DUAL 960E ON ADZUKI BEANS. Do not apply Patoran 50WP or Dual if beans have emerged.

SOYBEANS: PATORAN 50WP ALONE:

| WEEDS CONTROLLED | SOIL TEXTURE | RATE (kg/ha) | AREA TREATED PER SOLUBAG |
|------------------------------------|--------------|--------------|--------------------------|
| Broadleaf Weeds | Sandy Loam | 2.0-3.25 | 0.25-0.4ha (0.75 acre) |
| | Clay | 3.25 | 0.25 ha (0.75 acre) |
| Broadleaf Weeds and Annual Grasses | Sandy Loam | 3.25 | 0.25 ha (0.6 acre) |
| | Clay Loam | 4.5 | 0.18 ha (0.45 acre) |

PATORAN 50WP PLUS DUAL 960E (TANK MIX AND SEQUENTIAL APPLICATIONS):

| WEEDS CONTROLLED | RATE PER HECTARE DUAL 960E | RATE PER HECTARE PATORAN 50WP | AREA TREATED PER SOLUBAG |
|---|-------------------------------------|---|--------------------------------|
| Nutsedge, Annual Grasses and Broadleaf Weeds (Sequential Application) | Preplant Incorporated 1.75-2.75L | Pre-emergent 2.25-3.25 kg (sandy and silt loam) | 0.25-0.4 ha (0.6-1.0 acre) |
| | | 2.75-3.25 kg (clay loam) | 0.25-0.3 ha (0.6-0.75 acre) |
| Annual Grasses and Broadleaf Weeds (Tank Mix) | Pre-Emergent 1.75-2.75 L | Pre-Emergent 2.25-3.25 kg (sandy and silt loam) | 0.25-0.4 ha (0.6-1.0 acre) |
| | | 2.75-3.25 kg (clay loam) | 0.25-0.3 ha (0.6-0.75 acre) |

NOTE: Use the higher rate of Dual 960E for heavier weed problems. Use the higher rate of Patoran 50WP on heavier soils.

* The 2.0 kg rate will only control certain broadleaf weeds and may require inter-row cultivation if a second flush of weeds emerge.

CAUTIONS: Do not apply on soybeans planted in deep furrows. Do not apply Dual or Patoran 50WP alone or in a tank mix if soybeans have emerged. Do not apply to soybean variety Vansoy.

POTATOES: PATORAN 50WP ALONE:

| WEEDS CONTROLLED | SOIL TEXTURE | RATE (kg/ha) | AREA TREATED PER SOLUBAG |
|------------------------------------|--------------|--------------|--------------------------|
| Broadleaf Weeds | Sandy Loam | 3.25 | 0.25 ha (0.6 acre) |
| | Clay | 3.25 | 0.25 ha (0.6 acre) |
| Broadleaf Weeds and Annual Grasses | Sandy Loam | 4.5 | 0.18 ha (0.45 acre) |
| | Clay | 5.5 | 0.15 ha (0.38 acre) |

PATORAN 50WP PLUS DUAL 960E (TANK MIX AND SEQUENTIAL APPLICATIONS):

| WEEDS CONTROLLED | RATE PER HECTARE DUAL 960E | RATE PER HECTARE PATORAN 50WP | AREA TREATED PER SOLUBAG |
|---|------------------------------------|--|--------------------------------|
| Nutsedge, Annual Grasses and Broadleaf Weeds (Sequential Application) | Preplant Incorporated 2.0-2.75L | Pre-emergent 2.25-2.75 kg (light sandy loam) | 0.3-0.4 ha (0.75-1.0 acre) |
| | | 2.75-3.25 kg (medium loam) | 0.25-0.3 ha (0.6-0.75 acre) |
| Annual Grasses and Broadleaf Weeds (Tank Mix) | Pre-Emergent 2.0-2.75 L | Pre-Emergent 2.25-2.75 kg (light sandy loam) | 0.3-0.4 ha (0.75-1.0) |
| | | 2.75-3.25 kg (medium loam) | 0.25-0.3 ha (0.6-0.75 acre) |

NOTE: Use the higher rate of Dual 960E for heavier weed problems. Use the higher rate of Patoran 50WP on heavier soils. Do not use on potato variety Superior. Pre-emergent applications must be made at planting or preferably after first hilling but prior to emergence of crop and weeds. After treatment, the soil should be left undisturbed for as long as possible. Do not apply at ground crack or if potatoes have emerged. Do not apply Patoran 50WP to coarse textured soil low in organic matter.

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