

(WSP)

# **Kerb\* 50 WSP**

## **Selective Herbicide**

**In Water Soluble Pouches**

KEEP OUT OF REACH OF CHILDREN

GUARANTEE: Propyzamide 50%

**CAUTION**  **POISON**

NET CONTENTS: 454 g

\*Trademark of Dow AgroSciences LLC

(OVERPACK)

 **Dow AgroSciences**  
**Kerb\* 50 WSP**  
**Selective Herbicide**

GROUP	15	HERBICIDE
-------	----	-----------

**In Water Soluble Pouches**

AGRICULTURAL

READ THE LABEL AND BOOKLET BEFORE USING  
KEEP OUT OF REACH OF CHILDREN

GUARANTEE: Propyzamide (Pronamide) 50%  
Wettable powder

REGISTRATION NO.: 25595 PEST CONTROL PRODUCTS ACT

**CAUTION**  **POISON**

Do not remove pouches from this bag except for immediate use.  
Do not sell the soluble pouches separately.

NET CONTENTS: 1.36 kg (3 x 454 g Water-Soluble Pouches)

**Dow AgroSciences Canada Inc.**  
Suite 2100, 450 - 1 Street S.W.  
Calgary, Alberta  
T2P 5H1  
1-800-667-3852

\*Trademark of Dow AgroSciences LLC

## **PRECAUTIONS**

### **KEEP OUT OF REACH OF CHILDREN**

#### **DO NOT APPLY BY AIR**

Avoid breathing dust and spray mist. Do not get in eyes or skin. Do not take internally. Wear coveralls over a long-sleeved shirt and long pants, chemical-resistant gloves, chemical-resistant footwear plus socks during mixing, loading and application. In addition, wear a chemical-resistant apron when cleaning equipment, mixing or loading.

DO NOT enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 24 hours.

It is recommended that this product not be applied in a way that will contact workers or other persons, either directly or through drift. Only handlers wearing personal protective equipment may be in the area during application.

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., visit CropLife Canada's web site at [www.croplife.ca](http://www.croplife.ca).

## **FIRST AID**

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

**If swallowed:** Call a poison control centre or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

**If on skin or clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice.

**If inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

**If in eyes:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.

## **TOXICOLOGICAL INFORMATION**

No specific antidote. Employ supportive care. Treatment should be based on judgment of the physician in response to reactions of the patient.

## **AGRICULTURAL CHEMICAL**

Do not ship or store with food, feeds, drugs or clothing.

## **ENVIRONMENTAL HAZARDS**

- TOXIC to non-target terrestrial plants. Observe buffer zones specified under DIRECTIONS FOR USE.
- DO NOT apply this product directly to freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands), estuarine/marine habitats.
- DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.
- The use of this chemical may result in contamination of groundwater particularly in areas where soils are permeable (e.g. sandy soil) and/or the depth to the water table is shallow.

- To reduce runoff from treated areas into aquatic habitats, avoid application to areas with a moderate to steep slope, compacted soil, or clay.
- Avoid application when heavy rain is forecast.
- Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative strip between the treated area and the edge of the water body.

#### **STORAGE**

Do not store near feed or food stuffs, or fertilizer. Keep from freezing.

#### **DISPOSAL**

1. When all the water-soluble bags are used, make the empty outer package unsuitable for further use.
2. Dispose of the outer package in accordance with provincial requirements.
3. For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

**NOTICE TO USER:** This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in any way that is inconsistent with the directions on the label. The user assumes the risk to persons or property that arises from any such use of this product.

(Booklet)



# Kerb\* 50 WSP

## Selective Herbicide

GROUP	15	HERBICIDE
-------	----	-----------

### In Water Soluble Pouches

AGRICULTURAL

READ THE LABEL AND BOOKLET BEFORE USING  
KEEP OUT OF REACH OF CHILDREN

GUARANTEE: Propyzamide (Pronamide) 50%  
Wettable powder

REGISTRATION NO.: 25595 PEST CONTROL PRODUCTS ACT

**CAUTION**  **POISON**

Do not remove pouches from this bag except for immediate use.  
Do not sell the soluble pouches separately.

NET CONTENTS: 1.36 kg (3 x 454 g Water-Soluble Pouches)

**Dow AgroSciences Canada Inc.**  
Suite 2100, 450 - 1 Street S.W.  
Calgary, Alberta  
T2P 5H1  
1-800-667-3852

\*Trademark of Dow AgroSciences LLC

## **PRECAUTIONS**

### **KEEP OUT OF REACH OF CHILDREN**

#### **DO NOT APPLY BY AIR**

Avoid breathing dust and spray mist. Do not get in eyes or skin. Do not take internally. Wear coveralls over a long-sleeved shirt and long pants, chemical-resistant gloves, chemical-resistant footwear plus socks during mixing, loading and application. In addition, wear a chemical-resistant apron when cleaning equipment, mixing or loading.

DO NOT enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 24 hours.

It is recommended that this product not be applied in a way that will contact workers or other persons, either directly or through drift. Only handlers wearing personal protective equipment may be in the area during application.

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., visit CropLife Canada's web site at [www.croplife.ca](http://www.croplife.ca).

## **FIRST AID**

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

**If swallowed:** Call a poison control centre or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

**If on skin or clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice.

**If inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

**If in eyes:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.

## **TOXICOLOGICAL INFORMATION**

No specific antidote. Employ supportive care. Treatment should be based on judgment of the physician in response to reactions of the patient.

## **AGRICULTURAL CHEMICAL**

Do not ship or store with food, feeds, drugs or clothing.

## **ENVIRONMENTAL HAZARDS**

- TOXIC to non-target terrestrial plants. Observe buffer zones specified under DIRECTIONS FOR USE.
- DO NOT apply this product directly to freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands), estuarine/marine habitats.
- DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.
- The use of this chemical may result in contamination of groundwater particularly in areas where soils are permeable (e.g. sandy soil) and/or the depth to the water table is shallow.

- To reduce runoff from treated areas into aquatic habitats, avoid application to areas with a moderate to steep slope, compacted soil, or clay.
- Avoid application when heavy rain is forecast.
- Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative strip between the treated area and the edge of the water body.

### **STORAGE**

Do not store near feed or food stuffs, or fertilizer. Keep from freezing.

### **DISPOSAL**

1. When all the water-soluble bags are used, make the empty outer package unsuitable for further use.
2. Dispose of the outer package in accordance with provincial requirements.
3. For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

### **GENERAL INFORMATION**

Kerb 50 WSP Selective Herbicide is a selective herbicide used to control quackgrass, certain other perennial grasses such as orchardgrass and timothy, and most annual grasses, including wild oats and volunteer wheat. Kerb 50 WSP Selective Herbicide also controls chickweed. Dandelion, thistles and other members of the Compositae family are not controlled by Kerb 50 WSP Selective Herbicide.

### **GENERAL USE PRECAUTIONS**

- Effect on soil type: Kerb 50 WSP Selective Herbicide is ineffective and not recommended for application pre-emergence to weeds on highly organic peat or muck soils.
- Grazing Restriction: Do not harvest or graze within 90 days after application of 3.25 kg Kerb 50 WSP Selective Herbicide per hectare (7 pouches per Ha) or for 60 days after rates of less than 3.25 kg per hectare (7 pouches per Ha).
- The enclosed pouches of Kerb 50 WSP Selective Herbicide are water-soluble. Do not allow pouches to become wet prior to adding to the spray tank. Do not handle the pouches with wet hands or wet gloves. Always reseal overwrap bag to protect remaining unused pouches. Do not remove water-soluble pouches from overwrap except to add directly to the spray tank.
- Note that the pouches are water soluble and oil residue in the spray tank will make the pouch insoluble. Do not add pouches to spray solutions containing boron or that may release free chlorine as the plastic in the pouches becomes insoluble.
- Caution: Do not use on pastures that contain high proportions of timothy, crested wheat grass or meadow Fescue, as severe stand reduction will occur.

### **Tank Mixtures**

Do not apply this product with any other additive, pesticide or fertilizer except as specifically recommended on this label.

### **Mixing Instructions:**

Add the required number of unopened pouches as determined by the dosage recommendations into the spray tank with agitation. Depending on the water temperature and the degree of agitation, the pouches should dissolve completely within approximately five minutes from the time they are added to the water.

Mix Kerb 50 WSP Selective Herbicide in water and apply uniformly with a standard low pressure herbicide sprayer with flat fan nozzles at 300-500 litres of water per hectare.

### **DIRECTIONS FOR USE**

READ ALL DIRECTIONS CAREFULLY BEFORE APPLYING. FAILURE TO FOLLOW LABEL INSTRUCTIONS MAY RESULT IN ERRATIC WEED CONTROL OR CROP DAMAGE.

**Rotational crops**

Observe a plantback interval of 30 days for leafy vegetables (except Brassica vegetables), 90 days for root and tuber vegetables and 360 days for all other crops.

**Field sprayer application**

DO NOT apply during periods of dead calm. Avoid application of this product when winds are gusty. DO NOT apply with spray droplets smaller than the American Society of Agricultural Engineers (ASAE) medium classification. Boom height must be 60 cm or less above the crop or ground.

DO NOT apply by air.

Reduce dosage accordingly for band treatment.

**Methods of Application**

Kerb 50 WSP Selective Herbicide can be either fall or spring applied depending upon the crop involved.

**A) Fall application (Alfalfa, Trefoil)**

Kerb 50 WSP Selective Herbicide should be applied in the fall from late September to early November. Exact timing depends on soil temperature and ground freezing. Best results are obtained when soil temperature is low but above freezing and soil moisture is high. Surface applications are most effective if followed by rain in a day or two or a light overhead irrigation (1.25 to 2.50 cm). KERB 50 WSP Selective Herbicide acts through root absorption.

**Established Pastures:** To control foxtail barley (*Hordeum jubatum*) in established grass pastures, or grass/legume (alfalfa, trefoil) pastures, apply Kerb 50 WSP Selective Herbicide in late fall prior to freeze-up. On brown, dark brown, or gray wooded soils use 0.9 kg of Kerb 50 WSP Selective Herbicide per hectare (2 pouches/ha). On thin black or black soils use 1.12 kg of Kerb 50 WSP Selective Herbicide per hectare (2.5 pouches/ha). Some of the less tolerant pasture grass species, (e.g. tall fescue, creeping red fescue) may experience a 10-15% reduction as a result of the treatment.

**B) Spring Application**

(Seed Alfalfa): Kerb 50 WSP Selective Herbicide can be applied in the spring as a surface spray to control annual grasses, including wild oats. For optimum control the soil temperature should be cool. If soil temperature is high and moisture content low a light incorporation is recommended.

**CROP RECOMMENDATIONS**

ALFALFA, TREFOIL (in first year and established plantings)

To Control:	Kerb 50 WSP Selective Herbicide Per hectare*	Pouches Per hectare	Timing
Annual grasses, Volunteer grain, Wild Oats	1.75 kg	4	Fall (Spring-Seed Alfalfa)
Quackgrass, orchardgrass, timothy, chickweed	2.25-3.25 kg	5-7	Fall

\*Note: Do not use more than 2.25 kg per hectare (5 pouches per ha) in Spring Application.)

### **Dodder Control in Alfalfa and Trefoil grown for seed**

3.2 kg Kerb 50 WSP Selective Herbicide per hectare (7 pouches per Ha). Apply in the fall (late September to early November) or early spring (early April to early May); spring application will be effective ONLY if low temperatures prevail and moisture is available following application. Spot treatment of Dodder may be necessary as complete control of Dodder is not achieved with Kerb 50 WSP Selective Herbicide.

### **ORNAMENTALS (Established)**

Iris, peony, ground covers (except *Vinca minor*) and any coniferous trees and shrubs which are tolerant of Kerb 50 WSP Selective Herbicide. To control quackgrass, most annual grasses and chickweed in established plantings, apply Kerb 50 WSP Selective Herbicide in the Fall at the rate 30 g per 100 square metres (1500 square metres per pouch). DO NOT USE Kerb 50 WSP SELECTIVE HERBICIDE ON OR PERMIT TREATED AREAS TO DRAIN ONTO TURF GRASSES (EXCEPT FOR REMOVAL).

### **ORNAMENTAL NURSERY STOCK, CONTAINER GROWN (British Columbia only)**

To control annual grasses and chickweed during the winter and spring in a sawdust:peat (3:1) medium for container grown coniferous trees and shrubs, apply Kerb 50 WSP Selective Herbicide at a rate of 30 g per 100 square metres (1500 square meters per pouch) in November to February. Do not apply to stock that has been transplanted less than six months.

### **STRAWBERRIES (Maritimes and British Columbia only)**

To control annual grasses and chickweed, apply Kerb 50 WSP Selective Herbicide from late September to early November at a rate of 2.25 kg per hectare (5 pouches per ha). Best results are obtained when soil temperatures are low but above freezing and when soil moisture is high.

### **APPLES AND PEARS**

To control quackgrass and annual grasses apply Kerb 50 WSP Selective Herbicide from late September to early November at a rate of 4.5 kg product per hectare (10 pouches per ha) or 45 g per 100 square metres (1000 square metres per pouch). Use only under trees established for at least one year. Best results are obtained when soil temperatures are low but above freezing and when soil moisture is high.

### **LOWBUSH BLUEBERRIES**

To control perennial grasses including quackgrass and annual grasses, apply Kerb 50 WSP Selective Herbicide from late September to early November at rates of 3.25-4.50 kg product per hectare (7-10 pouches per ha). Best results are obtained when soil temperatures are low but above freezing and when soil moisture is high.

**Note:** Do not apply Kerb 50 WSP Selective Herbicide to the above crops until all the fruits have been harvested.

### **LETTUCE (Direct seeded or transplanted)**

To control germinating annual grasses and some broadleaf weeds, apply Kerb 50 WSP Selective Herbicide once a year at 2.2 kg product per hectare (5 pouches per ha). For direct seeded lettuce apply either as preplant incorporation, preemergent or postemergent with a pre-harvest interval of 55 days. For transplanted lettuce apply Kerb 50 WSP Selective Herbicide 7-10 days post-transplant.

**Note:** Do not replant lettuce in the Kerb 50 WSP Selective Herbicide treated field in the same year as significant residues may result.

## BUFFER ZONES TO PROTECT NON-TARGET SENSITIVE TERRESTRIAL HABITATS

The buffer zones specified in the table below are required between the point of direct application and the closest downwind edge of non-target sensitive terrestrial habitats (such as grasslands, forested areas, shelter belts, woodlots, hedgerows, riparian areas and shrublands).

**Buffer Zone Table**

Method of Application	Crop	Buffer Zones (metres) Required for the Protection of:
		Terrestrial habitat
Field sprayer <sup>†</sup>	Established grass pastures, established grass/legume (alfalfa, trefoil) pastures, alfalfa grown for seed, trefoil grown for seed, strawberries, lettuce, established ornamentals	5
	Lowbush blueberries, apples, pears	10

<sup>†</sup> For field sprayer application, buffer zones can be reduced with the use of drift reducing spray shields. When using a spray boom fitted with a full shield (shroud, curtain) that extends to the crop canopy, the labelled buffer zone can be reduced by 70%. When using a spray boom where individual nozzles are fitted with cone-shaped shields that are no more than 30 cm above the crop canopy, the labelled buffer zone can be reduced by 30%.

## RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, Kerb 50 WSP Selective Herbicide is a Group 15 herbicide. Any weed population may contain or develop plants naturally resistant to Kerb 50 WSP Selective Herbicide and other Group 15 herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same field. Other resistance mechanisms that are not linked to site of action, but specific for individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance-management strategies should be followed.

To delay herbicide resistance:

- Where possible, rotate the use of Kerb 50 WSP Selective Herbicide or other Group 15 herbicides with different herbicide groups that control the same weeds in a field.
- Use tank mixtures with herbicides from a different group when such use is permitted.
- Herbicide use should be based on an IPM program that includes scouting, historical information related to herbicide use and crop rotation, and considers tillage (or other mechanical), cultural, biological and other chemical control practices.
- Monitor treated weed populations for resistance development.
- Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment and planting clean seed.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or integrated weed-management recommendations for specific crops and weed biotypes.
- For further information or to report suspected resistance, contact Dow AgroSciences Canada Inc. at 1-800-667-3852 or at [www.dowagro.ca](http://www.dowagro.ca).

**NOTICE TO USER:** This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in any way that is inconsistent with the directions on the label. The user assumes the risk to persons or property that arises from any such use of this product.

\*\*\*\*\*

This label transcript service is offered by the Pest Management Regulatory Agency to provide efficient searching for label information. This service and this information do not replace the official hard-copy label. The PMRA does not provide any guarantee or assurance that the information obtained through this service is accurate, current or correct, and is therefore not liable for any loss resulting, directly or indirectly, from reliance upon this service.