

2025-2183  
2026-02-13

Container Label

|       |         |           |
|-------|---------|-----------|
| GROUP | 14   15 | HERBICIDE |
|-------|---------|-----------|

# PF-83-18 HERBICIDE

**COMMERCIAL**

**Wettable Granule**

For pre-plant/pre-emergence burnoff and extended weed control or suppression in field corn, wheat (winter and spring, excluding durum), chickpeas, field peas, lentils and soybeans.

**ACTIVE INGREDIENT:**      Pyroxasulfone.....65.1%  
                                         Carfentrazone-ethyl..... 9.4%

**Warning, contains the allergen, sulfites**

**REGISTRATION NO. 35858 PEST CONTROL PRODUCTS ACT**

**READ THE LABEL AND ACCOMPANYING BOOKLET BEFORE USING**

**CAUTION - EYE IRRITANT**

**POTENTIAL SKIN SENSITIZER**

Net Contents: 192 g – 1050 kg

FMC of Canada Limited  
6755 Mississauga Road, Suite 204  
Mississauga, ON L5N 7Y2  
1-833-362-7722

**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 a way that is inconsistent with the directions on the label.

**FIRST AID**

**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 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 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.

**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.

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

**TOXICOLOGICAL INFORMATION**

Treat symptomatically.

**PRECAUTIONS**

**KEEP OUT OF REACH OF CHILDREN.**

**HAZARDOUS TO HUMANS AND DOMESTIC ANIMALS.**

**WARNING – EYE IRRITANT.**

**POTENTIAL SKIN SENSITIZER.**

Avoid contact with skin, eyes or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

Apply only to agricultural crops when the potential for drift to areas of human habitation and human activity, such as houses, cottages, schools and recreational areas is minimal. Take into consideration wind speed, wind direction, temperature inversions, application equipment and sprayer settings.

See booklet for full user precautions, including personal protective equipment.

**ENVIRONMENTAL PRECAUTIONS**

Toxic to aquatic organisms and non-target terrestrial plants. Refer to attached booklet for more information.

**STORAGE**

Store this product away from food or feed.

Store in original containers only, in a cool, dry, well-ventilated location. Do not contaminate other pesticides, fertilizers, water, food, or feed by storage or disposal. In case of spill, avoid contact, isolate area and keep out unprotected persons and animals. Confine spills.

**DISPOSAL****For refillable containers:**

For disposal, this container may be returned to the point of purchase (distributor/dealer). It must be refilled by the distributor/dealer with the same product. DO NOT reuse this container for any other purpose.

**For returnable containers:**

DO NOT reuse this container for any purpose. For disposal, the empty container may be returned to the point of purchase (distributor/dealer).

**For recyclable containers:**

DO NOT reuse this container for any purpose. This is a recyclable container and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Make the empty, rinsed container unsuitable for further use.

If there is no container collection site in your area, dispose of the container in accordance with Provincial/territorial requirements.

For information on disposal of unused, unwanted product, contact the manufacturer or the provincial/territorial regulatory agency. Contact the manufacturer and the provincial/territorial regulatory agency in case of a spill, and for clean-up of spills.

|                                                  |
|--------------------------------------------------|
| <b>IN CASE OF EMERGENCY, CALL 1-800-331-3148</b> |
|--------------------------------------------------|

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Booklet

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**SECTION 1: NOTICE TO USER**

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**SECTION 2: FIRST AID AND TOXICOLOGICAL INFORMATION****FIRST AID**

**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 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 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.

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

**TOXICOLOGICAL INFORMATION**

Treat symptomatically.

|                                                  |
|--------------------------------------------------|
| <b>IN CASE OF EMERGENCY, CALL 1-800-331-3148</b> |
|--------------------------------------------------|

**SECTION 3: PRECAUTIONS, PROTECTIVE CLOTHING AND EQUIPMENT****PRECAUTIONS**

**KEEP OUT OF REACH OF CHILDREN.**

**HAZARDOUS TO HUMANS AND DOMESTIC ANIMALS.**

**WARNING – EYE IRRITANT.**

**POTENTIAL SKIN SENSITIZER.**

Avoid contact with skin, eyes or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

Apply only to agricultural crops when the potential for drift to areas of human habitation and human activity, such as houses, cottages, schools and recreational areas is minimal. Take into consideration wind speed, wind direction, temperature inversions, application equipment and sprayer settings.

**DO NOT apply by air.**

### **PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Follow mixer/loader and applicator scenario, as appropriate in the chart below.

| Equipment   | Amount of product handled per day | Personal Protective Equipment                                                                                                                                                                                                                                                                                        |                                                                                                                                                    |
|-------------|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
|             |                                   | Mixer/Loader/Clean-up and Repair                                                                                                                                                                                                                                                                                     | Applicator                                                                                                                                         |
| Ground boom | 91 kg or less                     | Wear a long-sleeved shirt, long pants, chemical-resistant gloves, socks, shoes and protective eyewear (goggles or a face shield). In addition, wear a NIOSH-approved N95 (minimum) filtering respirator (dusk mask) that is properly fit tested when handling.                                                       | Wear a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes. Gloves are not required during application within a closed cab. |
|             | More than 91 kg                   | Wear chemical-resistant coveralls over a long-sleeved shirt, long pants, chemical-resistant gloves, socks, chemical-resistant footwear and protective eyewear (goggles or face shield). In addition, wear a NIOSH-approved N95 (minimum) filtering respirator (dusk mask) that is properly fit tested when handling. | Wear a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes. Gloves are not required during application within a closed cab. |

Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions exist for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

## **RESTRICTED-ENTRY INTERVAL**

**DO NOT** enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours.

## **SECTION 4: ENVIRONMENTAL PRECAUTIONS**

Toxic to aquatic organisms and non-target terrestrial plants. Observe spray buffer zones specified under DIRECTIONS FOR USE.

This product demonstrates the properties and characteristics associated with chemicals detected in groundwater. The use of this product in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

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 filter strip between the treated area and the edge of the water body.

Additional guidance can be found on the Runoff Mitigation portion of the Canada.ca website.

## **SECTION 5: PRODUCT INFORMATION**

PF-83-18 Herbicide is a selective herbicide for pre-plant/pre-emergence weed control or suppression in field corn, wheat (winter and spring, excluding durum), chickpeas, field peas, lentils and soybeans. PF-83-18 Herbicide is a water dispersible formulation intended for dilution with water for application. PF-83-18 Herbicide will provide burn-off and/or extended control or suppression of certain weed species.

**PF-83-18 Herbicide is intended for coarse to medium soil textures. Weed control may be reduced if used on fine soils.**

The active ingredient, carfentrazone-ethyl, will provide selective control of emerged broadleaf weeds when applied pre-plant or pre-emergence to the crop or to fallow systems. Weed control is optimized when the product is applied to actively growing weeds up to 10 cm in height, or as specified. Carfentrazone-ethyl is a contact herbicide; within a few hours following application, the foliage of susceptible weeds shows signs of desiccation, and in subsequent days, necrosis and death of the plant occur.

Extremes in environmental conditions such as temperature, moisture, soil conditions, and cultural practices may affect the activity of carfentrazone-ethyl. Under warm moist conditions, herbicide symptoms may be accelerated. While under very dry conditions, the expression of herbicide symptoms may be reduced as weeds hardened off by drought are less susceptible to carfentrazone-ethyl.

The active ingredient, pyroxasulfone, in PF-83-18 Herbicide provides pre-emergent (extended) control or suppression of certain weed species. Moisture is necessary to activate pyroxasulfone



in soil for pre-emergent weed control. Dry weather following applications of PF-83-18 Herbicide may reduce effectiveness. However, when adequate moisture is received after dry conditions, PF-83-18 Herbicide will control susceptible germinating weeds. The pyroxasulfone in PF-83-18 Herbicide may not provide extended control on weeds that germinate after application but prior to an activating rainfall/irrigation or weeds that germinate through cracks resulting from dry soil. When adequate moisture is not received after PF-83-18 Herbicide application, pre-emergent weed control may be improved by irrigation. **DO NOT** use flood irrigation to activate or incorporate PF-83-18 Herbicide.

## **DIRECTIONS FOR USE**

### **SECTION 6: GENERAL APPLICATION INSTRUCTIONS**

**DO NOT** contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

As this product is not registered for the control of pests in aquatic systems, **DO NOT** use to control aquatic pests.

**DO NOT** apply by air.

**DO NOT** use on peat or muck soils.

**DO NOT** use on soils with less than 1% or more than 3% organic matter content.

**DO NOT** use on soils with a pH greater than 7.8.

**PF-83-18 Herbicide is intended for coarse to medium soil textures. Weed control may be reduced if used on fine soils.**

**DO NOT** apply this product in a way that will contact workers or other persons, either directly or through drift. For any requirements specific to your area, consult the provincial agency responsible for pesticide regulation.

**DO NOT** apply to wheat with other products containing sulfentrazone or if sulfentrazone was applied the previous fall.

**DO NOT** apply with other products containing pyroxasulfone or if pyroxasulfone was applied the previous fall.

**DO NOT** apply products containing saflufenacil or tiafenacil with, before or after application of PF-83-18 Herbicide as crop injury may occur.

Heavy rainfall soon after application may result in visual crop injury or possible yield reduction. Conditions such as thin crop stand, sandy soil or low soil organic matter may increase the severity of injury.

PF-83-18 Herbicide should be applied to uniform seedbed that is firm and free of clods. Before applying, verification of PF-83-18 Herbicide selectivity on crop varieties must be confirmed with your local seed company or supplier to avoid potential injury or yield losses to sensitive varieties. Crop seeds must be planted a minimum of 2.5 cm deep.

Weed control may be reduced if trash from the previous crop covered more than 25% on the ground at PF-83-18 Herbicide application.

Carefully observe sprayer clean-up instructions, as spray tank residue may damage crops other than those listed on this label. Thoroughly clean all traces of tank mix from application equipment immediately after use. Flush tank, pump, hoses, and boom with several changes of water after removing nozzle tips and screens (clean these parts separately). Wash away any spray mixture from the outside of spray tank, nozzle or spray rig.

Do not use on highly variable soils that have large gravelly or sandy areas, eroded knolls or calcium deposits.

## **SECTION 7: SPRAY DRIFT MANAGEMENT**

Minimizing spray drift at the application site is the responsibility of the applicator and the grower. The interaction of many equipment and weather-related factors determines the potential for spray drift. The applicator and the grower are responsible for considering all these factors when making decisions.

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 S572.1) medium classification. Boom height must be 60 cm or less above the crop or ground.

### **SPRAY BUFFER ZONES**

A spray buffer zone is NOT required for:

- Uses with hand-held application equipment permitted on this label
- Low-clearance hooded or shielded sprayers that prevent spray contact with crop, fruit or foliage

The spray buffer zones specified in the table below are required between the point of direct application and the closest downwind edge of sensitive terrestrial habitats (such as grasslands, forested areas, shelter belts, woodlots, hedgerows, riparian areas and shrublands) and sensitive freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands).

| Method of application | Crop                                                                                             | Spray Buffer Zones (metres) Required for the Protection of: |                  |                     |
|-----------------------|--------------------------------------------------------------------------------------------------|-------------------------------------------------------------|------------------|---------------------|
|                       |                                                                                                  | Freshwater Habitat of Depths:                               |                  | Terrestrial Habitat |
|                       |                                                                                                  | Less than 1 m                                               | Greater than 1 m |                     |
| Field sprayer         | Field corn, wheat (winter and spring, excluding durum), chickpeas, field peas, lentils, soybeans | 5                                                           | 3                | 5                   |

When tank mixes are permitted, consult the labels of the tank-mix partners and observe the largest (most restrictive) spray buffer zone of the products involved in the tank mixture and apply using the coarsest spray (ASAE) category indicated on the labels for those tank mix partners.

The spray buffer zones for this product can be modified based on weather conditions and spray equipment configuration by accessing the Spray Buffer Zone Calculator on the Pesticides portion of the Canada.ca website.

## **SECTION 8: MIXING AND LOADING INSTRUCTIONS**

### **Tank Mixes**

This product may be tank mixed with registered pest control products, whose labels also allow tank mixing, provided the entirety of both labels, including Directions for Use, Precautions, Restrictions, Environmental Precautions, and Spray Buffer Zones are followed for each product. In cases where these requirements differ between the tank mix partner labels, the most restrictive label must be followed. Do not tank mix products containing the same active ingredient unless specifically listed on this label.

In some cases, tank mixing pest control products can result in reduced pesticide efficacy or increased host crop injury. The user should contact FMC of Canada Limited at 1-833-362-7722 for information before applying any tank mix that is not specifically recommended on this label.

### **Spray Tank Preparation**

It is important that spray equipment is clean and free of existing pesticide deposits before using this product. Follow the spray tank clean out procedures specified on the label of product previously applied before adding PF-83-18 Herbicide to the tank.

A minimum of 100 L of spray solution per ha should be used to ensure uniform spray coverage. Nozzle selection should meet manufacturer's spray volume and pressure recommendations for pre-emergence and post-emergence herbicide applications. Use 50 mesh screens or larger (metal or nylon).

### **Mixing and Loading Instructions**

PF-83-18 Herbicide is a water dispersible granule intended for dilution with water. For best results, fill spray tank with one half of the volume of clean water needed for the area to be treated. Start the agitation system. Slowly add the PF-83-18 Herbicide to the spray tank. Complete filling the spray tank to the desired level. Once PF-83-18 Herbicide is thoroughly dispersed, add the required amount of glyphosate. Continuous spray tank agitation is required at all times to maintain a uniform spray solution.

Use the PF-83-18 Herbicide mixture immediately after mixing.

Do not store the sprayer overnight or for any extended period of time with the PF-83-18 Herbicide spray mixture remaining in the tank.

Premixing PF-83-18 Herbicide spray solutions in nurse tanks is not recommended.

**Tank Mixtures:** Fill spray tank one-half to two-thirds full of water; with agitator operating add the recommended amount of ingredients using the following order:

- **Wettable powders and dispersible granules**
- **Agitate tank mix thoroughly**
- **Micro-encapsulated suspensions**
- **Liquid flowables and suspensions**
- **Emulsifiable concentrate formulations**
  - Fill spray tank nearly full of water
- **Glyphosate formulations**
- **Surfactants**
  - Complete filling the spray tank to the desired level

Maintain agitation during filling, mixing and application. When using drift reducing agents, follow specific product label instructions for order of addition to spray tank.

### **SECTION 9: SPRAYER EQUIPMENT CLEANOUT**

After spraying PF-83-18 Herbicide and before using sprayer equipment for any other applications, the sprayer must be thoroughly cleaned using the following procedure:

1. Drain sprayer tank, hoses, and spray boom. Use a high-pressure detergent wash to remove physical sediment and residues from the inside of the sprayer tank and thoroughly rinse. Then thoroughly flush all sprayer hoses, booms, and nozzles with clean water.
2. Fill the tank with clean water, and then add 3 litre household AMMONIA (containing minimum of 3% ammonia) or equivalent amount of a sprayer tank cleaner containing ammonia, per 100 litres of water.
3. Flush solution through boom and hoses, and then add more water to completely fill tank. Allow to sit for 15 minutes with agitation.
4. Drain the tank.
5. Remove the nozzles, screens, and boom end caps and clean separately in a bucket containing ammonia cleaning agent and water.
6. Thoroughly rinse the tank with clean water for a minimum of 5 minutes, flushing water through the hoses and boom.
7. Properly dispose of all cleaning solution and rinsate in according with provincial guidelines and regulations.

**Do not** drain or flush equipment on or near desirable trees or plants.

**Do not** contaminate any body of water including irrigation water that may be used on other plants or crops.

**CAUTION:** Do not use ammonia with chlorine bleach. Using ammonium with chlorine bleach will release a gas with a musty chlorine odour that can cause eye, nose, throat, and lung irritation. Do not clean equipment in an enclosed area.

## **SECTION 10: CROPS AND WEEDS CONTROLLED**

### **PRE-PLANT/PRE-EMERGENCE USE IN FIELD CORN, WHEAT (WINTER AND SPRING, EXCLUDING DURUM), CHICKPEAS, FIELD PEAS, LENTILS AND SOYBEANS**

Apply as a single pre-plant or pre-emergence (up to 3 days after seeding) application in field corn, wheat (winter and spring, excluding durum), chickpeas, field peas, lentils and soybeans.

Apply at a rate of 192 g product/ha in a minimum of 100 L of water/ha. Add a non-ionic surfactant (NIS) at 0.25% v/v (0.25 L per 100 L of spray solution) or use Merge® Adjuvant at 1% v/v (1 L per 100 L of spray solution).

PF-83-18 Herbicide will control or suppress the following weeds:

| <b>Rate<br/>(g/ha)</b> | <b>Weeds Controlled</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                             |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                        | <b>Burndown Control<br/>(emerged weeds only)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>Extended Control (non-emerged<br/>weeds only)</b>                                                                                                                                                                                                                                                                                        |
| 192                    | Carpetweed<br>Cleavers<br>Cocklebur<br>Common lamb's-quarters<br>Common purslane<br>Common waterhemp<br>Black nightshade<br>Eastern black nightshade<br>Flixweed<br>Hairy nightshade<br>Jimsonweed<br>Kochia<br>Morning glory<br>Pennsylvania smartweed (seedling)<br>Pigweed (redroot, prostrate, smooth, tumble)<br>Round-leaved mallow<br>Russian thistle <sup>1</sup><br>Shepherd's purse<br>Stinkweed<br>Tall waterhemp<br>Tansy mustard<br>Velvetleaf<br>Volunteer canola (including glyphosate-tolerant) | Barnyard grass<br>Crabgrass (large)<br>Brome (downy, Japanese)<br>Foxtail (giant, green, yellow)<br>Ryegrass (Italian)<br>Wild oats <sup>2</sup><br>Cleavers<br>Kochia <sup>2</sup><br>Lambs-quarters <sup>2</sup><br>Hairy nightshade<br>Pigweed (redroot)<br>Stinkweed<br>Velvetleaf<br>Waterhemp (Common)<br>Wild buckwheat <sup>2</sup> |

<sup>1</sup>Up to 5 cm tall

<sup>2</sup>Extended suppression only. Weed suppression is a visual reduction in weed competition (reduced population or vigour) as compared to an untreated area. Degree of suppression will vary with size of weed

and environmental conditions prior to and following treatment.

DO NOT apply to durum wheat.

DO NOT make more than one application per season.

DO NOT allow livestock to graze on wheat or wheat forage, hay or straw less than 42 days after application.

### **SECTION 11: ROTATIONAL CROP GUIDELINES**

The following table shows the minimum interval in months from the time of the last PF-83-18 Herbicide application until PF-83-18 Herbicide treated soil can be re-planted to the crops listed as follows.

#### **Rotational crops and replant intervals for PF-83-18 Herbicide.**

| Rotational Crop                                                                                                                        | Replant Interval |
|----------------------------------------------------------------------------------------------------------------------------------------|------------------|
| Winter wheat                                                                                                                           | 4 months         |
| Bulb onion, chickpea, edamame, field corn, field peas, flax, leek, lentils, mint, potato, spring wheat, soybeans, safflower, sunflower | 12 months        |

Conduct a field bioassay (a test strip grown to maturity) to confirm crop safety prior to seeding or transplanting any rotational crops other than crops mentioned in this section.

If there is a lack of adequate or normal soil moisture due to drought conditions following an application of PF-83-18 Herbicide, the minimum rotational crop interval described above must be extended for one additional year and a representative bioassay of the field must be conducted with the potential rotational crop and adequate soil moisture to determine the crop sensitivity to PF-83-18 Herbicide.

### **REPLANTING INSTRUCTIONS**

If initial planting of labeled crops fails to produce a stand, only labeled crops for PF-83-18 Herbicide, may be planted. **DO NOT** retreat field with PF-83-18 Herbicide. Do not plant treated fields with any crop at intervals that are inconsistent with the Rotational Crop Guidelines on this label. When replanting use minimum soil tillage to preserve the herbicide barrier and achieve maximum weed control.

### **SECTION 12: RESISTANCE MANAGEMENT RECOMMENDATIONS**

For resistance management, PF-83-18 Herbicide is a Group 14 and Group 15 herbicide. Any weed population may contain or develop plants naturally resistant to PF-83-18 Herbicide and other Group 14 or 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 PF-83-18 Herbicide or other Group 14 and Group 15 herbicides within a growing season (sequence) or among growing seasons with different groups that control the same weeds in a field.

- Use tank mixtures with herbicides from a different group when such use is permitted. To delay resistance, the less resistance-prone partner should control the target weed(s) as effectively as the more resistance-prone partner.
- Herbicide use should be based on an integrated weed management program that includes scouting, historical information related to herbicide use and crop rotation, and considers tillage (or other mechanical control methods), cultural (for example, higher crop seeding rates; precision fertilizer application method and timing to favour the crop and not the weeds), biological (weed-competitive crops or varieties) and other management practices.
- Monitor weed populations after herbicide application for signs of resistance development (for example, only one weed species on the herbicide label not controlled). If resistance is suspected, prevent weed seed production in the affected area, if possible, by an alternative herbicide from a different group. Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment when moving between fields and planting clean seed.
- Have suspected resistant weed seeds tested by a qualified laboratory to confirm resistance and identify alternative herbicide options.
- 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 FMC at <https://aq.fmc.com/ca/en>

### **SECTION 13: STORAGE**

Store this product away from food or feed.

Store in original containers only, in a cool, dry, well-ventilated location. Do not contaminate other pesticides, fertilizers, water, food, or feed by storage or disposal. In case of spill, avoid contact, isolate area and keep out unprotected persons and animals. Confine spills.

### **SECTION 14: DISPOSAL**

#### **For refillable containers:**

For disposal, this container may be returned to the point of purchase (distributor/dealer). It must be refilled by the distributor/dealer with the same product. DO NOT reuse this container for any other purpose.

#### **For returnable containers:**

DO NOT reuse this container for any purpose. For disposal, the empty container may be returned to the point of purchase (distributor/dealer).

#### **For recyclable containers:**

DO NOT reuse this container for any purpose. This is a recyclable container and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in

- the tank.
2. Make the empty, rinsed container unsuitable for further use.

If there is no container collection site in your area, dispose of the container in accordance with provincial/territorial requirements.

For information on disposal of unused, unwanted product, contact the manufacturer or the provincial/territorial regulatory agency. Contact the manufacturer and the provincial/territorial regulatory agency in case of a spill, and for clean-up of spills.

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