

PEAK[®] 75WG Herbicide

HERBICIDE

AGRICULTURAL

Water Dispersible Granular (WG) Herbicide for Post-Emergent Broadleaf Weed Control in Field Corn, Winter Wheat, Seed Corn, Sorghum and Millet

FOR SALE FOR USE IN EASTERN CANADA ONLY

ACTIVE INGREDIENT:

Prosulfuron..... 75%

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

CAUTION



POISON

If packaged in water soluble bags, do not touch water-soluble bags with wet gloves as the bags will dissolve. Do not open water-soluble bags. Store above freezing in a dry location. Prolonged storage at temperatures below 0° C may cause the water-soluble bag to become brittle.

REGISTRATION NUMBER: **25310**
PEST CONTROL PRODUCTS ACT

NET CONTENTS: **13.3 g to 10 kg**

Syngenta Canada Inc.
140 Research Lane, Research Park
Guelph, Ontario N1G 4Z3
Telephone: 1-877-964-3682
Label

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

IN CASE OF POISONING, contact a physician or a poison control centre **IMMEDIATELY**. 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 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 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.

NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. Remove patient to safe, uncontaminated area. If victim has ceased breathing, clear airway and start artificial respiration. Obtain medical attention.

TOXICOLOGICAL INFORMATION

No specific antidote is known. Treat symptomatically. If a large amount has been ingested, induce emesis or lavage stomach. Five (5) mg/kg of activated charcoal suspension (50 g/400 mL of water) can be given to absorb remaining toxicant.

PRECAUTIONS

KEEP OUT OF THE REACH OF CHILDREN. Harmful if swallowed. Avoid inhalation of dust or spray mist. Avoid contact with skin, eyes and clothing. Wear cotton coveralls over long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes during mixing/loading, application, clean-up and repair. Gloves are not required during groundboom application within a closed cab. Do not eat, drink or smoke while mixing, or during application. Remove contaminated clothing immediately after use. Store and wash contaminated clothing separately from household laundry before reuse. Wash thoroughly with soap and water after handling. Handle and apply only as recommended on this label. Avoid application when weather conditions favour drift from treated areas. Avoid contamination of food and feed. Do not contaminate

streams, lakes, ponds, wetlands, irrigation water, water used by livestock or for domestic purposes. Do not reuse package; see "DECONTAMINATION AND DISPOSAL".

Do not re-enter treated areas within 12 hours after application.

Application is limited to agricultural crops only when there is low risk of drift to areas of human habitation or activity such as houses, cottages, schools and recreational areas, taking into consideration wind speed, wind direction, temperature inversions, application equipment and sprayer settings

DO NOT APPLY BY AIR.

CAUTION: Do not graze or cut corn for forage within 60 days of application. Do not harvest corn grain within 120 days of application. Do not graze or cut sorghum or millet for forage within 60 days of application. Do not graze or cut winter wheat for forage within 45 days after application. Do not harvest winter wheat grain within 75 days of application.

If this pest control product is to be used on a commodity that may be exported to other countries in the world and you require information on acceptable residue levels in these countries, please contact Syngenta Canada Inc. at 1-87-SYNGENTA / 1-877-964-3682.

ENVIRONMENTAL HAZARDS

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

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 areas with 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 areas and the edge of the water body.

STORAGE

Keep in original packaging during storage. Store above freezing in a dry, well-ventilated area away from other pesticides, fertilizers, food or feed. If packaged in water soluble bags, prolonged storage at temperatures below 0 °C may cause the soluble bag to become brittle.

DECONTAMINATION AND DISPOSAL

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.

CONTAINER DISPOSAL:

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 requirements.

For returnable containers:

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

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.

***IN CASE OF EMERGENCY INVOLVING A MAJOR SPILL, FIRE OR POISONING,
CALL 1-800-327-8633 (FASTMED)***

GROUP	2	HERBICIDE
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PAMPHLET

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Avoid application when heavy rain is forecast.

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***IN CASE OF EMERGENCY INVOLVING A MAJOR SPILL, FIRE OR POISONING
CALL 1-800-327-8633 (FASTMED)***

GENERAL INFORMATION

PEAK 75WG Herbicide is a water dispersible granular herbicide for selective post-emergent control of broadleaf weeds in field corn, winter wheat, forage sorghum, forage millet, and seed corn. PEAK 75WG Herbicide is recommended for use in these crops in Eastern Canada. It is non-corrosive, non-flammable and non-volatile. PEAK 75WG Herbicide is absorbed through the leaves and is rapidly translocated to the plant's growing points. PEAK 75WG Herbicide has a high level of crop safety and is active on many broadleaf weeds at a variety of growth stages. PEAK 75WG Herbicide can be applied as a solo herbicide treatment or in tank mix with a registered herbicide with a different mode of action and an overlapping broadleaf weed spectrum.

Thorough coverage of the weeds is essential for effective control and/or suppression with the PEAK 75WG Herbicide and tank mixes. Depending on the weed species and growing conditions, visual symptoms of dying weeds (discolouration) take 1-3 weeks to appear. Symptoms are first visible in the youngest tissues. Death of plants usually occurs 2-4 weeks after application. Under unfavourable environmental conditions such as drought, heat, flooding, prolonged cool temperatures or insufficient fertility, adequate control may not be achieved and re-growth may occur.

Weed control may also be reduced if the crop canopy has closed in over the weeds, intercepting the spray.

Certain other crops may be sensitive to low concentrations of PEAK 75WG Herbicide in the soil.

Therefore, careful consideration should be given to crop rotation plans prior to using PEAK 75WG Herbicide (refer to "RECRIPPING GUIDELINES").

DIRECTIONS FOR USE

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

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

Field sprayer application: DO NOT apply during period 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.

Buffer zones

Use the following spray methods or equipment DO NOT require a buffer zone: hand-held or backpack sprayer and spot treatment.

The 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	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, winter wheat, seed corn, sorghum and millet	1	0	2

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

The buffer zones for this product can be modified based on weather conditions and spray equipment configuration by accessing the Buffer Zone Calculator on the Pest Management Regulatory Agency web site.

DIRECTIONS FOR USE – FIELD CORN

BROADLEAF WEED CONTROL

Timing of Application:

Apply PEAK 75WG Herbicide as a broadcast spray with a recommended surfactant, or with a tank mix partner and a recommended surfactant, to **corn between the two and seven leaf stages**. Since corn is very tolerant to PEAK 75WG Herbicide, application timing should be determined by weed growth. For optimum results, apply to actively growing weeds in the recommended leaf stage (Refer to “WEEDS CONTROLLED- FIELD CORN” section below).

Surfactant:

PEAK 75WG Herbicide must be applied with a recommended non-ionic surfactant or crop oil concentrate (Refer to “MIXING AND SPRAYING INSTRUCTIONS”).

Tank Mixing:

PEAK 75WG Herbicide can be applied as a solo herbicide treatment with a non-ionic surfactant (AGRAL 90[®] PCP 11809, Agsurf[®] PCP 27921, 22881, 15881, or Citowett Plus[®]) or a Crop Oil Concentrate (Assist[®] PCP 16937), as well as tank mixed with one of Banvel II Herbicide or Banvel Dry EG Herbicide. **Do not use Crop Oil Concentrate if tank mixing with all Ultim[®] herbicide formulations or Accent[®] herbicide.** See table below.

PEAK 75WG Herbicide at 13.3 g/ha + non-ionic surfactant at 0.2% v/v or Crop Oil Concentrate at 1.0% v/v	
Weeds Suppressed:	Recommended Growth Stage at Application:
Buckwheat, Wild	1 - 6 leaves
Lady's Thumb	1 - 4 leaves
Lamb's-Quarters (including triazine-tolerant biotypes)	1 - 6 leaves
Mustard, Wild*	2 - 12 leaves, prior to flowering
Pigweed, Redroot (including triazine-tolerant biotypes)	1 - 6 leaves
Ragweed, Common	1 - 8 leaves
Velvetleaf	1 - 6 leaves

* control

PEAK 75WG Herbicide at 13.3 g/ha + Banvel II Herbicide at 0.3 L/ha or Banvel Dry EG Herbicide at 0.2 kg/ha + non-ionic surfactant at 0.2% v/v or Crop Oil Concentrate at 1.0% v/v	
Weeds Controlled:	Recommended Growth Stage at Application:
Buckwheat, Wild	1 - 6 leaves
Cocklebur*	1 - 6 leaves
Lady's Thumb	1 - 4 leaves
Lamb's-Quarters (including triazine-tolerant biotypes)	1 - 6 leaves
Mustard, Wild	2 - 12 leaves, prior to flowering
Pigweed, Redroot (including triazine-tolerant biotypes)	1 - 6 leaves
Ragweed, Common	1 - 8 leaves
Velvetleaf	1 - 6 leaves

* Controlled only with PEAK 75WG Herbicide + Banvel II herbicide tank mix

BROADLEAF WEEDS AND ANNUAL GRASS CONTROL:

PEAK 75WG Herbicide plus Banvel II Herbicide or Banvel Dry EG Herbicide can be tank mixed with either Ultim herbicide or Accent herbicide to provide one-pass control of the broadleaf weeds and annual grass weeds as listed with each 3-way tank mix. See the table below for list of weeds controlled and rates of use for tank mixes containing Ultim herbicide or Accent herbicide. Apply tank mixes containing Ultim herbicide from the 2 to 6 leaf stage of corn. Tank mixes with Accent herbicide can be applied from the 2 to 7 leaf stages of corn.

FIELD CORN:

WEEDS CONTROLLED	PEAK 75WG Herbicide		BROADLEAF WEED PARTNER		GRASS CONTROL PARTNER	
		RATE		RATE		RATE
Buckwheat, Wild* (1-6 leaves)	PEAK 75WG Herbicide + a recommended non-ionic surfactant at 0.2% v/v	13.3 g/ha	Plus one of: Banvel II Herbicide	0.3 L/ha	Plus: Accent 75DF herbicide	33.4 g/ha
Lady's Thumb (1-4 leaves)			Or			
Lamb's Quarters (including triazine tolerant biotypes) (1-6 leaves)			Banvel Dry EG Herbicide	0.2 Kg/ha		
Mustard, Wild (2-12 leaves, prior to flowering)						
Pigweed, Redroot (including triazine tolerant biotypes) (1-6 leaves)						
Ragweed, Common (1-8 leaves)						
Velvetleaf* (1-6 leaves)						
Green Foxtail* (1-6 leaves)						
Yellow Foxtail* (1-6 leaves)						
Barnyard Grass (1-6 leaves)						

* suppression only

FIELD CORN:

WEEDS CONTROLLED	PEAK 75WG Herbicide		BROADLEAF WEED PARTNER		GRASS CONTROL PARTNER	
		RATE		RATE		RATE
Buckwheat, Wild (1-6 leaves)	PEAK 75WG Herbicide + a recommended non-ionic surfactant at 0.2% v/v	13.3 g/ha	Plus one of:		Plus:	
Lady's Thumb (1-4 leaves)			Banvel II Herbicide	0.3 L/ha	Ultim 37.4DF herbicide	66.7g/ha
Lamb's Quarters (including triazine tolerant biotypes) (1-6 leaves)			Or		Or	
Mustard, Wild (2-12 leaves, prior to flowering)			Banvel Dry EG Herbicide	0.2 Kg/ha	Ultim 75DF herbicide	33.7g/ha
Pigweed, Redroot (including triazine tolerant biotypes) (1-6 leaves)						
Ragweed, Common (1-8 leaves)						
Velvetleaf* (1-6 leaves)						
Green Foxtail (1-6 leaves)						
Yellow Foxtail** (1-6 leaves)						
Barnyard Grass (1-6 leaves)						

* Suppression only

** Suppression only with PEAK 75WG Herbicide + Banvel Dry EG Herbicide + Ultim 75DF Herbicide

DIRECTIONS FOR USE – WINTER WHEAT

BROADLEAF WEED CONTROL

Timing of Application:

Apply PEAK 75WG Herbicide as a broadcast spray to **wheat up to and including BBCH Growth Stage 32 (beginning of stem elongation)**. Since wheat is very tolerant to PEAK 75WG Herbicide, application timing should be determined by weed growth. For optimum results, apply to actively growing weeds in the recommended leaf stage (Refer to “*WEEDS CONTROLLED- WINTER WHEAT*” section below).

Surfactant:

PEAK 75WG Herbicide must be applied with a recommended non-ionic surfactant. Do not use a crop-oil concentrate (Refer to “*MIXING AND SPRAYING INSTRUCTIONS*”).

Tank Mixing:

PEAK 75WG Herbicide can be applied as a solo herbicide treatment with a non-ionic surfactant (AGRAL 90 PCP 11809, Agsurf PCP 27921, 22881, 15881, or Citowett Plus), as well as tank mixed with Pardner Herbicide. **Do not use Crop Oil Concentrate for use on winter wheat.** See table below.

PEAK 75WG Herbicide at 13.3 g/ha + non-ionic surfactant at 0.2% v/v	
Weeds Suppressed:	Recommended Growth Stage at Application:
Buckwheat, Wild	1 - 6 leaves
Lady's Thumb	1 - 4 leaves
Lamb's-Quarters (including triazine-tolerant biotypes)	1 - 6 leaves
Mustard, Wild*	2 - 12 leaves, prior to flowering
Pigweed, Redroot (including triazine-tolerant biotypes)	1 - 6 leaves
Ragweed, Common	1 - 8 leaves
Velvetleaf	1 - 6 leaves

* control

PEAK 75WG Herbicide at 13.3 g/ha + Pardner at 0.5 L/ha + non-ionic surfactant at 0.2% v/v	
Weeds Controlled:	Recommended Growth Stage at Application:
Buckwheat, Wild	1 - 6 leaves
Lady's Thumb	1 - 4 leaves
Lamb's-Quarters (including triazine-tolerant biotypes)	1 - 6 leaves
Mustard, Wild	2 - 12 leaves, prior to flowering
Pigweed, Redroot (including triazine-tolerant biotypes)	1 - 6 leaves
Ragweed, Common	1 - 6 leaves
Velvetleaf*	2 - 6 leaves

* Suppression only.

BROADLEAF WEED AND DISEASE CONTROL:

PEAK 75WG Herbicide plus Pardner Herbicide can be tank mixed with either 0.25 – 0.5 L/ha of TILT 250E Fungicide or 0.75 – 1 L/ha of QUILT Fungicide to provide one-pass control of the broadleaf weeds listed above and certain diseases as listed with each 3-way tank mix. Consult the TILT 250E Fungicide or QUILT Fungicide labels for further information on diseases controlled. Apply all tank mixes up to the BBCH Growth Stage 32 (beginning of stem elongation) in wheat only. Refer to fungicide labels for best growth stage timing for spray for control of the fungicides listed. Do not harvest winter wheat treated with TILT 250E Fungicide or QUILT Fungicide for forage. Refer to all tank mix partner labels for further use instructions.

In some cases, tank mixing a pest control product with another pest control product or a fertilizer can result in biological effects that could include, but are not limited to: reduced pest efficacy or increased host crop injury. The user should contact Syngenta Canada Inc. at 1-877-964-3682 for information before mixing any pesticide or fertilizer that is not specifically recommended on this label. The user assumes the risk of losses that result from the use of tank mixes that do not appear on this label or that are not specifically recommended by Syngenta Canada Inc.

USE PRECAUTIONS:

- Do not apply PEAK 75WG Herbicide where its movement in the soil may place it in contact with non-target plants or their roots.
- Do not use soils treated with PEAK 75WG Herbicide for gardens, lawns, etc. without consulting the "*RECRIPPING GUIDELINES*" section.
- Do not apply PEAK 75WG Herbicide under conditions where uniform coverage at label rates cannot be obtained. Avoid overlapping. Shut off spray boom while starting, turning, slowing or stopping to prevent crop injury from an excess application.
- Do not allow spray or spray mist to drift onto adjacent sensitive crops or onto land which will be rotated to sensitive crops (see "*RECRIPPING GUIDELINES*" section). Do not drain or flush spray equipment on or near desirable vegetation.
- Do not use flood jet nozzles or controlled droplet application equipment.
- For maximum crop safety, do not apply PEAK 75WG Herbicide to corn which has been treated with an organophosphorus insecticide, such as Counter® (PCP 15268). If an IR corn hybrid is planted, organophosphorus insecticides can be used according to label directions without increasing the likelihood of injury to those hybrids when PEAK 75WG Herbicide is applied.
- Do not apply PEAK 75WG Herbicide to winter wheat if cold, wet environmental conditions that stress wheat are expected within 1 week after application. Cold, wet weather following PEAK 75WG Herbicide applications to winter wheat may result in injury to the cereal crop; this injury is normally temporary and yields are not affected.
- Do not apply when environmental conditions such as wind speed, temperature, relative humidity etc. are favourable for drift to occur.
- Do not apply to terrain where there is a potential for surface run-off to enter aquatic systems.
- When applied as a tank-mix combination, read and observe all label directions, including rates, personal protective equipment, restrictions and precautions for each product used in the tank-mix. Always use in accordance with the most restrictive label restrictions and precautions

MIXING AND SPRAYING INSTRUCTIONS:

GROUND APPLICATION ONLY:

WATER VOLUME:

Minimum of 150 litres per hectare.

Do not use liquid fertilizer as a carrier for PEAK 75WG Herbicide applications. If packaged in water soluble bags, liquid fertilizer may prevent the water-soluble bags from dissolving properly.

SPRAY PRESSURE:

200 - 300 kPa

SPRAY NOZZLES:

Flat Fan with 50 mesh or larger screens. For uniform coverage and increased penetration of the crop canopy, set the nozzles at a downward angle of 90 degrees (90°).

SURFACTANT:

Field corn:

PEAK 75WG Herbicide + tank mix partner **must** be applied with either:

- a) a recommended non-ionic surfactant such as AGRAL 90 (PCP 11809), Ag-Surf (PCP 27921, 22881, 15881) or Citowett Plus at 0.2% v/v (2.0 L for each 1000 L of spray mixture); or
- b) a crop oil concentrate at 1.0% v/v (10 L for each 1000 L of spray mixture).

Do not use a crop oil concentrate if tank mixing with all Ultim herbicide formulations or Accent herbicide.

Winter wheat:

PEAK 75WG Herbicide + tank mix partner **must** be applied with a recommended non-ionic surfactant such as AGRAL 90 (PCP 11809), Ag-Surf (PCP 27921, 22881, 15881) or Citowett Plus at 0.2% v/v (2.0 L for each 1000 L of spray mixture).

Do not use a crop oil concentrate if tank mixing with Pardner Herbicide.

Do not apply if rain is expected within 4 hours after spraying.

MIXING PROCEDURE:

If packaged in water soluble bags, please refer to "MIXING PROCEDURE FOR WATER SOLUBLE BAGS" listed below.

1. Ensure that the sprayer is totally clean.
2. Fill the spray tank three quarters full with water. Engage gentle agitation.
3. Ensure the agitation system is working properly and that it creates a rippling or rolling action on the water surface.
4. Add the appropriate amount of PEAK 75WG Herbicide and Ultim herbicide or Accent herbicide, if being used, directly into the spray tank. Allow eight (8) minutes for complete mixing.
5. Ensure PEAK 75WG Herbicide and Ultim herbicide or Accent herbicide, if being used, is completely in suspension before adding the desired broadleaf weed tank-mix partner.

Agitate an additional 2 to 3 minutes, then add a recommended non-ionic surfactant at 0.2% v/v (2.0 L for each 1000 L of water) or crop oil concentrate at 1.0% v/v (10 L for each 1000 L of water).

Do not use a crop oil concentrate if tank mixing with all Ultim herbicide formulations, Accent herbicide, or Pardner herbicide.

6. Continue agitation while completing the filling of the sprayer.
7. Continuous agitation is required to keep PEAK 75WG Herbicide in suspension. Do not allow the spray mixture to stand without agitation.
8. Use the spray suspension as soon as it is prepared.
9. Do not mix, load or clean spray equipment where there is a potential to contaminate wells or aquatic systems.

MIXING PROCEDURE FOR WATER SOLUBLE BAGS:

1. Ensure that the sprayer is totally clean.
2. Fill the spray tank three quarters full with water. Engage gentle agitation.

NOTE: Growers using a sprayer with by-pass agitation should allow the water-soluble bags to completely dissolve before engaging the by-pass. Otherwise, undissolved bags could be sucked into the by-pass and plug the main screen.

3. Ensure the agitation system is working properly and that it creates a rippling or rolling action on the water surface.
4. Add the appropriate number of water-soluble bags of PEAK 75WG Herbicide and Ultim herbicide or Accent herbicide, if being used, directly into the spray tank. Do not touch water-soluble bags with wet gloves. Allow eight (8) minutes for complete mixing. The water-soluble bag may become brittle with age and exposure to cold temperatures. Longer mixing time may be required if the bag is brittle or if the water is cold.
5. Ensure PEAK 75WG Herbicide and Ultim herbicide or Accent herbicide, if being used, is completely in suspension before adding the desired broadleaf weed tank-mix partner. Agitate an additional 2 to 3 minutes, then add a recommended non-ionic surfactant at 0.2% v/v (2.0 L for each 1000 L of water) or crop oil concentrate at 1.0% v/v (10 L for each 1000 L of water).

Do not use a crop oil concentrate if tank mixing with all Ultim herbicide formulations, Accent herbicide, or Pardner herbicide.

6. Continue agitation while completing the filling of the sprayer.
7. Continuous agitation is required to keep PEAK 75WG Herbicide in suspension. Do not allow the spray mixture to stand without agitation.
8. Use the spray suspension as soon as it is prepared.
9. Water Soluble Bags must be dissolved in clean water. After spraying a tank load, some of the mixture will remain in the bottom of the tank. For repeat tank loads, pre-slurry PEAK 75WG Herbicide in 10 litres of clean water (in a pail) prior to adding to the spray tank.
10. Do not mix, load or clean spray equipment where there is a potential to contaminate wells or aquatic systems.

RECROPPING GUIDELINES:

Certain crops have been shown to be highly sensitive to low residues of PEAK 75WG Herbicide in the soil. The risk of injury to rotational crops is affected by the application rate and by a combination of factors including soil parameters (i.e. soil type, soil temperature, soil pH), sensitivity of the rotational crop, rainfall levels and the recropping interval. The breakdown

process is more rapid under conditions of high soil moisture, high soil temperature, and low soil pH. Degradation is generally slower under conditions of low soil moisture, low soil temperature, and high soil pH. The minimum recropping interval is the time between the last application of PEAK 75WG Herbicide and the anticipated date of planting of the next crop.

To avoid injury to subsequent crops after an application of the recommended rate of PEAK 75WG Herbicide, the following recropping intervals should be observed.

RECROPPING GUIDELINES

CROP	MINIMAL INTERVAL (MONTHS)
Field Corn, Spring Barley, Spring Oats, Peas, Soybeans, White Beans	10
Alfalfa	22
All Other Crops	Field Bioassay

Observe the recropping guidelines of any product to be tank mixed with PEAK 75WG Herbicide. Land treated with PEAK 75WG Herbicide CAN ONLY BE PLANTED TO A CROP NOT LISTED IN THE PRECEDING TABLE if a field bioassay can be successfully performed. The bioassay must indicate normal growth with no yield reductions.

When conducting a field bioassay, it is very important to select a representative area(s) of the field previously treated with PEAK 75WG Herbicide to plant the test crop(s).

FIELD BIOASSAY

Representative Sample:

Ensure that soil parameters such as soil texture, depth of top soil layer, soil pH and drainage of the test area selected are representative of the remainder of the field.

Sample Size:

The seeded area of each selected bioassay crop must be large enough to ensure that reliable results are obtained. The seedbed preparations and seeding of the bioassay crop(s) should be conducted the same way as when the entire field would be planted.

Other Residual Herbicides:

It is important that other herbicide products which are known to have residual activity were not applied to the field between the last application of PEAK 75WG Herbicide and the bioassay testing period. Avoid the use of other pesticides during the duration of the bioassay as they may damage the indicator crop(s).

Comparisons:

Ideally, an untreated check strip in a neighbouring field should be established and monitored for comparison since growing conditions can vary greatly from year to year and may result in erroneous results.

Assessment:

The site should be monitored regularly throughout the growing season. Watch for any damage to the crop such as thinning, yellowing or stunting. A yield sample should be taken and compared to an adjacent untreated field.

DO NOT ROTATE TO OTHER CROPS UNTIL THE BIOASSAY INDICATES NORMAL

GROWTH WITH NO YIELD REDUCTIONS.

Failure to follow these recropping guidelines could result in injury to seeded crop(s).

SPRAYER CLEANUP:

To avoid subsequent injury to other crops, thoroughly clean application equipment immediately after spraying. Ensure that all traces of the product are removed. The following procedures are recommended:

1. Drain and flush tank, boom and all hoses for several minutes with clean water containing a household detergent. **Do not** clean the sprayer near desirable vegetation, wells or other water sources.
2. Fill the sprayer tank with clean water and add one litre of household ammonia (containing 3% ammonia) per 100 litres of water. Allow the solution to agitate for 15 minutes prior to flushing the solution through the boom and nozzles. Drain the system.
3. Remove the nozzles and screens and wash separately in a bucket containing the ammonia solution.
4. Thoroughly rinse the tank, hoses, booms, nozzles and screens with clean water for a minimum of 5 minutes to remove all traces of ammonia.
5. Dispose of all rinsings in accordance with provincial regulations.

CAUTION: Do not use ammonia in conjunction with chlorine bleach as this could result in the release of chlorine gas which can cause severe eye, nose, throat and lung irritation. Do not clean sprayer equipment in an enclosed area.

NOTE TO USER:

The DIRECTIONS FOR USE for this product for the uses described below were developed by persons other than Syngenta Canada, Inc. and accepted for registration by Health Canada under the User Requested Minor Use Label Expansion program. Syngenta Canada, Inc. itself makes no representation or warranty with respect to performance (efficacy) and/or crop tolerance (phytotoxicity) claims for this product when used on the crops listed below.

Accordingly, the Buyer and User assume all risks related to performance and crop tolerance arising, and agree to hold Syngenta Canada, Inc. harmless from any claims based on efficacy and/or phytotoxicity in connection with the uses described below.

GRAIN AND FORAGE SORGHUM OR GRAIN AND FORAGE MILLET:

Ground application only. Do not apply by air. Make only one post emergent application per year. Do not graze or cut sorghum or millet for forage within 60 days of application. Do not graze or cut sorghum or millet for grain within 120 days of application.

Timing of Application:

Apply PEAK 75WG Herbicide as a broadcast spray, with Banvel II herbicide and a recommended surfactant, to **grain and forage sorghum or grain and forage millet between the three and five leaf stages**. For optimum results, apply to actively growing weeds when they are in the one to six leaf stage.

Surfactant:

PEAK 75WG Herbicide must be applied with a recommended non-ionic surfactant or crop oil concentrate (See below).

Tank Mixing:

PEAK 75WG Herbicide must be tank mixed with either a non-ionic surfactant (AGRAL 90 PCP 11809, Agsurf PCP 27921, 22881, 15881 or Citowett Plus) or a Crop Oil Concentrate (Assist PCP 16937) plus Banvel II.

USE RATE
13.3 g/ha of PEAK 75WG Herbicide+ non-ionic surfactant at 0.2% v/v <u>or</u> crop oil concentrate at 1.0% v/v <u>plus</u> Banvel II herbicide at 0.3 L/ha

Weeds Controlled:

Cocklebur, Lady's Thumb, Lamb's-Quarters (including triazine-tolerant biotypes),
Wild Mustard, Redroot Pigweed (including triazine-tolerant biotypes),
Common Ragweed, Velvetleaf

SEED CORN – EASTERN CANADA ONLY:

Ground application only. Do not apply by air. Make only one post emergent application per year. Do not graze or feed treated forage to livestock. Do not use seed from treated plants for food, feed or oil purposes. Consult the seed supplier for information on the tolerance of seed corn inbred lines prior to the use of PEAK 75WG Herbicide

Timing of Application:

Apply PEAK 75WG Herbicide as a broadcast spray, with Banvel II herbicide and a recommended surfactant, to seed corn **between the two and seven leaf stages**. For optimum results, apply to actively growing weeds when they are in the one to six leaf stage.

Surfactant:

PEAK 75WG Herbicide must be applied with a recommended non-ionic surfactant (See below).

Tank Mixing:

PEAK 75WG Herbicide must be tank mixed with a non-ionic surfactant plus Banvel II in a minimum spray volume of 150 litres per hectare.

USE RATE
13.3 g/ha of PEAK 75WG Herbicide+ non-ionic surfactant at 0.2% v/v <u>plus</u> Banvel II herbicide at 0.3 L/ha

Weeds Controlled:

Cocklebur, Lady's Thumb, Lamb's-Quarters (including triazine-tolerant biotypes),
Wild Mustard, Redroot Pigweed (including triazine-tolerant biotypes),
Common Ragweed, Velvetleaf

WINTER WHEAT- EASTERN CANADA ONLY- WILD CARROT (*Daucus carota*) CONTROL:

Apply PEAK 75WG Herbicide as a broadcast spray to **wheat up to and including BBCH Growth Stage 32 (beginning of stem elongation)**. Since wheat is very tolerant to PEAK 75WG Herbicide, application timing should be determined by weed growth. Apply when wild carrot is at the 2 – 20 leaf stage.

Surfactant:

PEAK 75WG Herbicide must be applied with a recommended non-ionic surfactant. Do not use a

crop-oil concentrate (Refer to "*MIXING AND SPRAYING INSTRUCTIONS*").

Tank Mixing:

PEAK 75WG Herbicide must be tank mixed with a non-ionic surfactant (AGRAL 90 PCP 11809, Agsurf PCP 27921, 22881, 15881, or Citowett Plus). **Do not use Crop Oil Concentrate for use on winter wheat.** See table below.

USE RATE
13.3 g/ha of PEAK 75WG Herbicide + Non-ionic surfactant at 0.2% v/v + 0.5 L/ha of Pardner Herbicide

Resistance-Management Recommendations

For resistance management, PEAK 75WG is a Group 2 herbicide. Any weed population may contain or develop plants naturally resistant to PEAK 75WG and other Group 2 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 PEAK 75WG or other Group 2 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 and to report suspected resistance, contact company representatives at 1-87-SYNGENTA (1-877-964-3682) or at www.syngenta.ca.

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