

**(BASE)**

<b>GROUP</b>	<b>4</b>	<b>HERBICIDE</b>
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## **FLUROXYPYR WDG HERBICIDE**

**COMMERCIAL  
WETTABLE GRANULES**

**FOR SALE AND USE ONLY IN THE PRAIRIE PROVINCES,  
PEACE RIVER REGION AND INTERIOR OF BRITISH COLUMBIA**

FLUROXYPYR WDG HERBICIDE is a selective herbicide for postemergent control of annual broadleaved weeds including cleavers and certain ALS-resistant broadleaved weeds such as kochia in spring wheat, durum wheat, and spring barley. FLUROXYPYR WDG HERBICIDE will also suppress hemp-nettle, common chickweed and wild buckwheat.

**ACTIVE INGREDIENT:** fluroxypyr ..... 27.8% (present as 1-methylheptyl ester)

**REGISTRATION NO. \_ 30667 \_ PEST CONTROL PRODUCTS ACT**

**WARNING – CAUSES SUBSTANTIAL BUT TEMPORARY EYE INJURY  
WARNING – EYE IRRITANT**

**Warning, contains the allergen sulfites**

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

**NET CONTENTS: \_\_\_\_\_ 200 g to Bulk \_\_\_\_\_**

**UPL AgroSolutions Canada Inc.  
PO Box 12219  
Research Triangle Park, NC 27709  
Product Information: 1-800-438-6071**

FOR CHEMICAL EMERGENCY: spill, leak, fire, exposure, or accident call CHEMTREC 1-800-424-9300.

## **PRECAUTIONS**

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

**WARNING – CAUSES SUBSTANTIAL BUT TEMPORARY EYE INJURY.  
HARMFUL IF SWALLOWED OR ABSORBED THROUGH THE SKIN.**

DO NOT get in eyes. Avoid contact with skin and clothing. Avoid breathing spray mist.

DO not use in residential areas. Residential areas are defined as any use site where bystanders, including children, could be exposed during or after application. This includes homes, schools, parks, playgrounds, playing fields, public buildings, or any other area where the general public, including children, could be exposed.

Apply only when the potential for drift to areas of human habitation or areas of 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 using aerial application equipment.**

## **PROTECTIVE CLOTHING AND EQUIPMENT**

Applicators must wear shoes plus socks and clean body-covering coveralls over a long-sleeved shirt and long pants, and chemical resistant gloves. Rinse gloves before removal. In addition, during mixing and loading, and clean-up and repair, wear goggles or face shield.

When using tank mix partners, follow the most stringent personal protective equipment and label precautions of all tank mix products.

## **OPERATOR USE PRECAUTIONS**

Wear freshly laundered clothing and clean protective equipment daily. At completion of spraying or end of the day take a shower immediately. Wash thoroughly with soap and water before eating, drinking, smoking or using the toilet. Follow manufacturer's instructions for cleaning/maintaining protective clothing. If no such instructions for washables exist, use detergent and hot water. Remove contaminated clothing at the end of the work session and store and wash separately from household laundry using detergents and hot water before reuse. If herbicide penetrates clothing, remove immediately; then wash thoroughly and put on clean clothing. Throw away clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Avoid contact with eyes, skin and clothing. Avoid breathing spray mist. Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 24 hours.

## **PHYSICAL OR CHEMICAL HAZARDS**

Do not use or store near heat or open flame.

Important: Read these entire DIRECTIONS FOR USE and the NOTICE TO USER statement before using Fluroxypyr WDG HERBICIDE.

### **FIRST AID**

#### **IF SWALLOWED:**

Call a poison control centre or doctor immediately for treatment advice. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give **any** liquid to the person. 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.

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

### **TOXICOLOGICAL INFORMATION**

May pose an aspiration pneumonia hazard. Probable mucosal damage may contraindicate the use of gastric lavage. If lavage is performed, suggest endotracheal and/or esophageal control. No specific antidote. Employ supportive care. Treatment should be based on the judgment of the physician in response to reactions of the patient.

### **ENVIRONMENTAL PRECAUTIONS**

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

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.

This product contains an active ingredient and aromatic petroleum distillates which are toxic to aquatic organisms.

## **STORAGE**

Do not ship or store with food, feeds, drugs or clothing. Store in a dry place. Prevent cross contamination with other pesticides and fertilizers. To prevent contamination, store this product away from food or feed. Store in original container and out of reach of children, preferably in a locked storage area. Handle and open container in a manner as to prevent spillage.

## **DISPOSAL**

Do not reuse this container for any purpose.

1. Triple-rinse or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Follow provincial instructions for any required additional cleaning of the container prior to its disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial requirements.
5. 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.

<p><b>FOR CHEMICAL EMERGENCY: spill, leak, fire, exposure, or accident call CHEMTREC 1-800-424-9300.</b></p>
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## **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.

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**(Booklet)**

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WARNING – CAUSES SUBSTANTIAL BUT TEMPORARY EYE INJURY.**

## **HARMFUL IF SWALLOWED OR ABSORBED THROUGH THE SKIN.**

DO NOT get in eyes. Avoid contact with skin and clothing. Avoid breathing spray mist.

DO not use in residential areas. Residential areas are defined as any use site where bystanders, including children, could be exposed during or after application. This includes homes, schools, parks, playgrounds, playing fields, public buildings, or any other area where the general public, including children, could be exposed.

Apply only when the potential for drift to areas of human habitation or areas of 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.

## **PROTECTIVE CLOTHING AND EQUIPMENT**

Applicators must wear shoes plus socks and clean body-covering coveralls over a long-sleeved shirt and long pants, and chemical resistant gloves. Rinse gloves before removal. In addition, during mixing and loading, and clean-up and repair, wear goggles or face shield.

When using tank mix partners, follow the most stringent personal protective equipment and label precautions of all tank mix products.

## **OPERATOR USE PRECAUTIONS**

Wear freshly laundered clothing and clean protective equipment daily. At completion of spraying or end of the day take a shower immediately. Wash thoroughly with soap and water before eating, drinking, smoking or using the toilet. Follow manufacturer's instructions for cleaning/maintaining protective clothing. If no such instructions for washables exist, use detergent and hot water. Remove contaminated clothing at the end of the work session and store and wash separately from household laundry using detergents and hot water before reuse. If herbicide penetrates clothing, remove immediately; then wash thoroughly and put on clean clothing. Throw away clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Avoid contact with eyes, skin and clothing. Avoid breathing spray mist. Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 24 hours.

## **PHYSICAL OR CHEMICAL HAZARDS**

Do not use or store near heat or open flame.

Important: Read these entire DIRECTIONS FOR USE and the NOTICE TO USER statement before using FLUROXYPYR WDG HERBICIDE.

## **IF SWALLOWED:**

Call a poison control centre or doctor immediately for treatment advice. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give **any** liquid to the person. 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.

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

**TOXICOLOGICAL INFORMATION**

May pose an aspiration pneumonia hazard. Probable mucosal damage may contraindicate the use of gastric lavage.

**ENVIRONMENTAL PRECAUTIONS**

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

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.

This product contains an active ingredient and aromatic petroleum distillates which are toxic to aquatic organisms.

**STORAGE**

Do not ship or store with food, feeds, drugs or clothing. Store in a dry place. Prevent cross contamination with other pesticides and fertilizers. To prevent contamination, store this product away from food or feed. Store in original container and out of reach of children, preferably in a locked storage area. Handle and open container in a manner as to prevent spillage.

## **DISPOSAL**

Do not reuse this container for any purpose.

6. Triple-rinse or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
7. Follow provincial instructions for any required additional cleaning of the container prior to its disposal.
8. Make the empty container unsuitable for further use.
9. Dispose of the container in accordance with provincial requirements.
10. 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.

**FOR CHEMICAL EMERGENCY: spill, leak, fire, exposure, or  
accident call CHEMTREC 1-800-424-9300.**

## **MODE OF ACTION**

FLUROXYPYR WDG HERBICIDE is a systemic group 4 or auxin-type herbicide and moves within the plant for control of exposed and underground plant tissues. The product controls weeds by disrupting normal plant growth patterns. Symptoms of weeds include epinasty (twisting of the stems) and swollen nodes.

## **GENERAL INFORMATION**

FLUROXYPYR WDG HERBICIDE is selective postemergent herbicide for the control of annual broadleaved weeds in spring wheat, durum wheat and spring barley, not underseeded with legumes. FLUROXYPYR WDG HERBICIDE controls hard to kill annual broadleaved weeds such as kochia (including ALS resistant biotypes) and cleavers. FLUROXYPYR WDG HERBICIDE will also provide suppression of chickweed, hemp-nettle, wild buckwheat and stork's-bill.

## **SPRAY EQUIPMENT**

For specific application equipment, refer to the manufacturer's recommendations for additional information on spray volume, pressure, speed, nozzle types and arrangements, nozzle heights above the target canopy, etc.

Be sure to calibrate ground equipment properly before application. Select a spray volume and delivery system that will ensure thorough coverage and a uniform spray pattern with minimum drift. Use higher spray volumes to obtain better coverage when crop canopy is dense. Avoid swath overlapping, and shut off spray booms while starting, turning, slowing, or stopping, to avoid injury to the crop. Do not make applications using equipment and/or spray volumes or during weather conditions that might cause spray to drift onto non-target sites.

## **SPRAYER CLEANUP**

The spray equipment must be cleaned before FLUROXYPYR WDG HERBICIDE is sprayed. Follow the cleanup procedures specified on the labels of the previously applied products. If no directions are provided, follow the steps outlined below.



It is recommended that during periods when multiple loads of FLUROXYPYR WDG HERBICIDE are applied, at the end of each day of spraying, the interior of the tank be rinsed with fresh water and then partially filled, and the boom and hoses flushed. This will prevent the buildup of dried pesticide deposits, which can accumulate in the application equipment.

Clean sprayer using the following procedures:

1. Drain the tank and thoroughly rinse spray tank, boom and hoses with clean water especially all visible deposits.
2. Fill the tank with water and add household ammonia to make a 1% v/v solution (1 litre/100 litres). Flush the hoses, boom and nozzles with the cleaning solution. Circulate for at least 15 minutes. Flush hoses, boom and nozzles once more and then drain the tank.
3. Clean nozzles and screens in a separate container using the 1% v/v solution of ammonia and water.
4. Repeat Step 2.
5. Rinse tank and flush boom and hoses with clean water.

Do not clean sprayer near desirable vegetation, wells or other water sources:

1. Dispose of all rinsate in accordance with pertinent regulations.
2. Check tank mix partner label for any additional clean-up procedures.

## **GENERAL USE PRECAUTIONS**

Injury to or loss of adjacent sensitive crops, desirable trees, or vegetation may result from failure to observe the following:

Do not apply directly to, or otherwise come in contact with susceptible crops or desirable plants including, but not limited to, alfalfa, canola, lettuce, edible beans, grapes, lentils, mustard, peas, potatoes, radishes, soybeans, sugar beets, sunflowers, tomatoes, tobacco, flowers or ornamental plants.

Do not apply, drain or flush equipment on or near desirable trees or other plants or on areas where their roots may extend, or in locations where the chemical may be washed or moved in to contact with their roots.

Do not use on lawns, walks, driveways, tennis courts, or similar areas. Prevent drift of spray to desirable plants.

Take all necessary precautions to avoid all direct or indirect contact (such as spray drift) with non-target plants or areas.

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.

Carefully observe all sprayer cleanup instructions both prior to and after using this product, as spray tank residue may damage crops other than those listed on this label. Fields previously treated with FLUROXYPYR WDG HERBICIDE can be seeded the following year to barley, canola, flax, forage grasses, lentils, mustard, oats, peas, rye or wheat or fields can be summerfallowed.

Frost before application (3 days) or shortly after (3 days) may reduce weed control and crop tolerance.

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

### **DO NOT APPLY USING AERIAL APPLICATION EQUIPMENT.**

#### **To Reduce Spray Drift:**

- Use nozzles delivering higher volumes and coarser droplets.
- Use low pressures (200 to 275 kPA).
- Use 100 L/ha of spray solution.
- Spray when the wind velocity is 15 km/hr or less.
- Spot treatments should only be applied with a calibrated boom to prevent over-application.

### **DIRECTIONS FOR USE**

READ THE ENTIRE LABEL BEFORE USE. FAILURE TO FOLLOW LABEL INSTRUCTIONS MAY RESULT IN ERRATIC WEED CONTROL OR CROP DAMAGE. DO NOT APPLY TO CROPS UNDERSEEDDED WITH LEGUMES.

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.

#### **Buffer zones:**

Spot treatments using hand-held equipment DO NOT require a buffer zone. 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) and estuarine/marine habitats.

Method of application	Crop	Buffer Zones (metres) Required for the Protection of:				
		Freshwater Habitat of Depths:		Estuarine/Marine Habitat of Depths:		Terrestrial Habitat
		Less than 1 m	Greater than 1 m	Less than 1 m	Greater than 1 m	
Field sprayer	Spring wheat, durum wheat, spring barley	1	0	1	1	3

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) 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 Pesticides portion of the Canada.ca website.

### Crops Registered

Spring wheat  
Durum wheat  
Spring barley

### APPLICATION TO WHEAT (SPRING, DURUM) AND BARLEY (SPRING)

Apply as a broadcast postemergence treatment to actively growing spring wheat, durum wheat or spring barley from the 2 leaf crop stage of growth up to and including initiation of stem elongation for control of broadleaf weeds. Apply when weeds are small and actively growing, only weeds emerged at the time of application will be controlled. Extreme growing conditions such as drought or near freezing temperatures prior to, at, and following the time of application may reduce weed control and increase risk of crop injury at all stages of growth. **Do not use if cereal crop is underseeded with a legume.** Foliage that is wet at the time of application may decrease control of targeted weeds. Applications of FLUROXYPYR WDG HERBICIDE are rain-fast within 1 hour after application. Under conditions of low crop and high weed density, control may be reduced.

### Preharvest/Grazing Intervals

Livestock may be grazed on treated crops 3 days following application.  
Do not harvest the treated crop within 60 days after application.

### FLUROXYPYR WDG HERBICIDE APPLIED ALONE

Apply FLUROXYPYR WDG HERBICIDE with a recommended non-ionic surfactant such as Agral 90 or Ag-Surf at 0.25% v/v (i.e. 2.5 L for each 1000 L of spray mixture) for post-emergent control of cleavers and kochia, including ALS resistant kochia and other

broadleaved weeds infecting spring wheat, durum wheat, and spring barley. Weeds controlled or suppressed and application rates are outlined in the following table.

**Weeds Controlled or Suppressed by FLUROXYPYR WDG HERBICIDE alone**

<b>Weeds Controlled</b>	<b>FLUROXYPYR WDG Herbicide Rate (grams product/ha)</b>
Cleavers (1-4 whorls)	259
Kochia * (2-8 leaf)	378
Round-leaved mallow (1-6 leaf)	518
Volunteer flax (1-12 cm)	378
<b>Weeds Suppressed</b>	<b>FLUROXYPYR WDG Herbicide Rate (grams product/ha)</b>
Chickweed * (up to 8 cm)	518
Hemp-nettle (2-6 leaf)	518
Stork's -bill (1-8 leaf)	378
Wild buckwheat (1-8 leaf)	259

\* Including biotypes resistant to Group 2 herbicides that inhibit the ALS enzyme.

**NOTE:** FLUROXYPYR WDG HERBICIDE activity is influenced by weather conditions. Optimum activity requires active crop and weed growth. The temperature range for optimum activity is 12°C to 24°C. Reduced activity will occur when temperatures are below 8°C or above 27°C. Frost before application (3 days) or shortly after (3 days) may reduce weed control and crop tolerance. Weed control may be reduced during stress conditions, e.g. drought, heat or cold stress, or if weeds have initiated flowering, or if heavy infestations exist.

**TANK MIXTURES**

**FLUROXYPYR WDG HERBICIDE + ACHIEVE LIQUID HERBICIDE**

For control of wild oats and green foxtail in spring wheat and spring barley, apply 0.5 L/ha of Achieve Liquid with FLUROXYPYR WDG HERBICIDE. Refer to the above table for rates and broadleaved weeds controlled or suppressed with FLUROXYPYR WDG HERBICIDE. Read both product labels thoroughly for more information on precautions and additional directions for use. To control additional broadleaved weeds, tank mix with either 2,4-D Ester or MCPA Ester up to a maximum of 560 g a.e./ha (equivalent to 1.0 L/ha of 2,4-D LV600 (0.85 L/ha of 2,4-D Ester LV700 Herbicide) or 1.12 L/ha of MCPA LV500 (0.93 L/ha MCPA Ester 600 Herbicide) or 1.5 to 2.0 L/ha Curtail M Herbicide. Refer to the 2,4-D Ester or MCPA Ester tank mix partner label for rates less than 560 g a.e./ha and weeds controlled.

**Mixing Instructions**

1. Begin to fill sprayer tank with clean water, and engage agitator. **Agitation must be continued throughout the entire mixing and spraying procedure.**
2. When the sprayer is three quarters full of water, add FLUROXYPYR WDG HERBICIDE. If more than one container of FLUROXYPYR WDG HERBICIDE is to

be used, add all FLUROXYPYR WDG HERBICIDE containers prior to adding.  
Achieve Liquid

3. Add Achieve Liquid Herbicide next. If more than one container of Achieve Liquid Herbicide is to be used, add all Achieve Liquid Herbicide containers prior to adding any other tank-mix partners.
4. If 2,4-D Ester, MCPA Ester or Curtail M are also being added, add these next. If more than one container of 2,4-D Ester, MCPA Ester or Curtail M is to be used, add all 2,4-D Ester, MCPA Ester or Curtail M containers prior to adding Turbocharge.
5. Lastly, add the required amount of Turbocharge and then continue to fill tank to desired level with water.

### **FLUROXYPYR WDG HERBICIDE + CURTAIL M HERBICIDE**

For control of a wide spectrum of broadleaved weeds in spring wheat, durum wheat and spring barley, apply FLUROXYPYR WDG HERBICIDE tank mixed with Curtail M Herbicide. Refer to Curtail M Herbicide label for additional precautions and directions for use, particularly crop rotation restrictions.

#### **Mixing Instructions**

Add the correct amount of FLUROXYPYR WDG HERBICIDE to spray tank half full with water and agitate. Add the correct amount of Curtail M Herbicide and continue to agitate.

#### **Timing of Application**

Apply postemergence when weeds are in the seedling stage (2-4 leaf) and when spring wheat, durum wheat and spring barley are in the 3-leaf to just before the flag leaf emergence stage. Do not apply later than the flag-leaf stage.

**Low Rate: To control or suppress the following weeds apply a uniform spray containing FLUROXYPYR WDG HERBICIDE at 378 g/ha tank mixed with Curtail M Herbicide at 1.5 L/ha.**

#### **Weeds Controlled:**

Canada thistle (low infestations)  
cleavers (1-4 whorls)  
flax, volunteer (1-12 cm)  
flixweed (spring seedling 2-4 leaf)  
kochia  
lamb's-quarters  
mustard, wild  
shepherd's-purse  
stinkweed  
sunflower, volunteer

#### **Weeds Suppressed:**

stork's-bill (1-8 leaf)

**High Rate: To control or suppress the following weeds apply a uniform spray containing FLUROXYPYR WDG HERBICIDE at 518 g/ha tank mixed with Curtail M Herbicide at 2.0 L/ha.**

**Weeds Controlled:**

Canada thistle*	Lamb's-quarters	Sow-thistle (annual)
Canola (volunteer)	Redroot pigweed	Sow-thistle (perennial)*
Cleavers (1-4 whorls)	Round-leaved mallow	Stinkweed
Common groundsel (1-6 leaf)	Stork's-bill (1-8 leaf)	
Dandelion**	Russian pigweed	Sunflower (volunteer)
Flixweed**	Scentless chamomile	Tantary buckwheat
Shepherd's-purse	Volunteer flax (1-12 cm)	
Smartweed	Wild buckwheat (1-8 leaf)	
Kochia***	Wild mustard	

**Weeds Suppressed:**

Common chickweed\*  
Hemp-nettle (2-6 leaf)

- \* Season long control, with some re-growth in the fall (top growth control).
- \*\* Spring rosettes only.
- \*\*\* Including biotypes resistant to Group 2 Herbicides that inhibit the ALS enzyme.

The active ingredients in this tank mixture will only control chickweed that is emerged at time of application. Chickweed plants which emerge after application will not be controlled. To improve the reduction in chickweed population at the end of season, delay the timing of application as late as possible to when the majority of chickweed plants have emerged. The reduction in chickweed population will also be improved in crops which are more competitive and which allow limited light penetration.

**Pre-Harvest/Grazing Intervals (FLUROXYPYR WDG HERBICIDE + Curtail M Herbicide)**

- Do not cut or graze treated fields within 7 days after application.
- Do not harvest the treated mature crop within 60 days after application.

When tank mixing with Curtail M Herbicide, wear goggles or face shield, coveralls and chemically resistant gloves, apron and boots when mixing, loading and during clean-up and repair.

Curtail M Herbicide contains an ingredient that is rapidly absorbed through the skin and respiratory tract.

**FLUROXYPYR WDG HERBICIDE + CURTAIL M HERBICIDE TANK MIXTURES FOR ANNUAL GRASS CONTROL**

Tank mixtures of FLUROXYPYR WDG HERBICIDE + Curtail M Herbicide with other herbicides will provide control of additional weeds. Tank mixes with FLUROXYPYR WDG HERBICIDE + Curtail M Herbicide are outlined below. Follow all precautions, minimal interval to harvest and directions for use on the FLUROXYPYR WDG HERBICIDE and tank-mix partner labels.

**Tank-Mix Combinations with FLUROXYPYR WDG HERBICIDE at 378 g/ha + Curtail M Herbicide at 1.5 L/ha or FLUROXYPYR WDG HERBICIDE at 518 g/ha + Curtail M Herbicide at 2.0 L/ha**

Herbicide Tank Mix Partner	Crops Registered	Rate of Tank Mix Partner	Adjuvant Rate	Additional Weeds
Achieve Liquid*	Spring wheat Durum wheat Spring barley	0.50 kg/ha	Turbocharge 0.5 L/100 L of spray volume (0.5% v/v)	Green foxtail Wild oats
Horizon <sup>2</sup> Herbicide Tank Mix	Spring wheat Durum wheat	0.23 L/ha	Score 0.8 L/ha (0.8% v/v)	Green foxtail Wild oats
Assert <sup>3</sup> 300 SC	Spring wheat Durum wheat Spring barley	1.3 L/ha 1.6 L/ha	Refer to Assert 300 SC label	Wild oats (1-3 leaf) Wild oats (4 leaf)
Puma <sup>4</sup> 120 Super	Spring wheat Durum wheat Spring barley	385 mL/ha 770 mL/ha	None required	Green foxtail Only

\* Curtail M Herbicide can be used at a rate of 1.5 to 2.0 L/ha with this tank-mix combination

**TANK-MIX COMBINATION – FLUROXYPYR WDG HERBICIDE + 2,4-D ESTER HERBICIDE**

For control of a wide spectrum of broadleaved weeds (see following table) apply FLUROXYPYR WDG HERBICIDE tank mixed with 2,4-D Ester Herbicide and a non-ionic surfactant, e.g. Agral90 and Ag-Surf. Apply post-emergence when weeds are in the seedling stage (2-4 leaf) and when spring wheat, durum wheat and spring barley are in the 4-leaf to flag-leaf stage. Application before the 4-leaf stage of wheat and barley may cause severe twisting of leaves and stem, and head deformities which may reduce yield up to 10%. Do not apply later than the flag-leaf stage.

**Rates of Applications**

**I. Low Rate:** To control the following weeds apply a uniform spray containing 259 grams/ha FLUROXYPYR WDG HERBICIDE and 420 g a.e./ha 2,4-D Ester Herbicide (equivalent to 0.64 L/ha of 2,4-D Ester LV700 Herbicide) in a minimum of 100 L of water per hectare to thoroughly cover the weeds.

**Weeds Controlled:**

bluebur	hoary cress ♦	stinkweed
burdock	kochia ♦♦♦	sunflower (annual)
canola (volunteer)	lamb's-quarters	vetch
cleavers (1-4 whorls)	mustard (except green, dog, and tansy)	wild radish
clovers (sweet)	plantain	wild mustard
cocklebur	prickly lettuce	wild buckwheat (1-6 leaf)
flixweed	ragweed	
field horsetail ♦	shepherd's-purse	
goat's-beard		

**II. High Rate:** To control the above weeds plus the additional weeds listed below, apply a uniform spray containing 378 grams/ha of FLUROXYPYR WDG HERBICIDE and 560 g a.e./ha of 2,4-D Ester Herbicide (equivalent to 0.85 L/ha of 2,4-D Ester LV700 Herbicide) in a minimum of 100 L of water per hectare to thoroughly cover the weeds.

**Additional Weeds Controlled:**

blue lettuce ♦	hairy galinsoga	Russian thistle
dandelion ♦♦	hedge bindweed	smartweed
docks	lady's-thumb	stork's-bill (1-8 leaf)
dog mustard	leafy spurge ♦	tansy
field bindweed ♦	oak-leaved goosefoot	tartary buckwheat
field peppergass	redroot pigweed	volunteer flax (1-12 cm)
gumweed	round-leaved mallow (1-6 Leaf)	wild buckwheat (1-8 leaf)

**Weeds Suppressed:**

common chickweed ♦♦♦ (up to 8 cm)	hemp-nettle (2-6 leaf stage)	sow-thistle (annual)
Canada thistle ♦	sow-thistle (perennial) ♦	

♦ Top growth control only

♦♦ Spring rosettes

♦♦♦ Including biotypes resistant to Group 2 herbicides that inhibit the ALS enzyme

**NOTE:** The activity of FLUROXYPYR WDG HERBICIDE combined with 2,4-D Ester Herbicide is influenced by weather conditions. Optimum activity requires active crop and weed growth. The temperature range for optimum activity is 12°C to 24°C. Reduced activity will occur when temperatures are below 8°C or above 27°C. Frost before application (3 days) or shortly after (3 days) may reduce weed control and crop tolerance. Weed control may be reduced during stress conditions, e.g. drought, heat or cold stress, or if weeds have initiated flowering, or if heavy infestations exist.

**Mixing Instructions**

- Add the correct amount of FLUROXYPYR WDG HERBICIDE to spray tank 1/2 filled with water and agitate.



- Add the correct amount of 2,4-D Ester Herbicide (e.g. 2,4-D Ester LV700 Herbicide) and continue to agitate.
- Lastly, add the required amount of the recommended non-ionic surfactant such as Agral 90 or Ag-Surf at 0.25% v/v (i.e. 2.5 L for each 1000 L of spray mixture) and then top off tank with water, maintain agitation and spray.
- Do not let stand without agitation.

**Pre-Harvest/Grazing Intervals (FLUROXYPYR WDG HERBICIDE + 2,4-D Ester Herbicide)**

- Do not permit lactating dairy animals to graze fields within 7 days after application.
- Do not harvest forage or cut hay within 30 days after application.
- Withdraw meat animals from treated fields at least 3 days before slaughter.
- Do not harvest the treated mature crop within 60 days after application.

**Pre-Harvest/Grazing Intervals (FLUROXYPYR WDG HERBICIDE + 2,4-D Ester LV600 Herbicide or 2,4-D Ester LV700)**

- Do not permit lactating dairy animals to graze fields within 7 days after application.
- Do not harvest forage or cut hay within 30 days after application.
- Withdraw meat animals from treated fields at least 3 days before slaughter.
- Do not harvest the treated mature crop within 60 days after application.

**FLUROXYPYR WDG HERBICIDE + 2,4-D Ester LV600 Herbicide or 2,4-D Ester LV700 Herbicide + Other Herbicides**

Tank mixtures of FLUROXYPYR WDG HERBICIDE + 2,4-D Ester LV600 Herbicide or 2,4-D Ester LV700 Herbicide with other herbicides will provide control of additional weeds. For products which may be tank mixed with FLUROXYPYR WDG HERBICIDE + 2,4-D Ester LV600 Herbicide or 2,4-D Ester LV700 and the additional weeds controlled see the table below. Follow all precautions, minimal interval to harvest and directions for use on the FLUROXYPYR WDG HERBICIDE and tank-mix partner labels.

**Tank-Mix Combinations with FLUROXYPYR WDG HERBICIDE 378 g/ha + 2,4-D Ester LV600 Herbicide (1.0 L/ha) or 2,4-D Ester LV700 Herbicide (0.85 L/ha)**

<b>Herbicide Tank-Mix Partner</b>	<b>Crops Registered</b>	<b>Rate of Tank-Mix Partner</b>	<b>Adjuvant Rate</b>	<b>Additional Weeds</b>
Achieve Liquid *and ***	Spring wheat Durum wheat Spring barley	0.5 kg/ha	Turbocharge 0.5 L/100 L of spray volume (0.5% v/v)	Green foxtail Wild oats
Horizon <sup>2</sup> Herbicide Tank-Mix	Spring wheat Durum wheat	0.23 L/ha	Score: 0.8 L/ha	Wild oats** (1-6 leaf main stem) Green foxtail

		0.29 L/ha	Score: 1.0 L/ha (1.0% v/v)	(1-5 leaf main stem) & Wild Oats**
Assert <sup>3</sup> 300 SC	Spring wheat	1.3 L/ha	Refer to Assert 300 SC label	Wild oats (1-3 leaf stage)
	Durum wheat Spring barley	1.6 L/ha		Wild oats (4 leaf stage)
Puma <sup>4</sup> 120 Super	Spring wheat	385 mL/ha	None required	Green foxtail only
	Durum wheat	770 mL/ha		Green foxtail, plus wild oats & barnyard grass

\* Do not apply this tank-mix prior to the 4 leaf stage of the cereal crop as temporary crop injury could occur. This tank-mix may cause temporary crop injury. However, yield will not normally be affected. This tank-mix may reduce control of wild oats compared to Achieve Liquid Herbicides alone.

\*\* Wild oat control may be reduced when tank mixed with FLUROXYPYR WDG HERBICIDE + 2,4-D Ester LV600 Herbicide or 2,4-D Ester LV700 Herbicide.

\*\*\* 2,4-D Ester can be tank mixed at rates up to a maximum of 560 g a.e./ha with this tank-mix combination.

### **FLUROXYPYR WDG HERBICIDE + MCPA LV500 Herbicide or MCPA ESTER 600 HERBICIDE Tankmix**

For control of a wide spectrum of broadleaved weeds apply FLUROXYPYR WDG HERBICIDE at 378 g/ha tank mixed with MCPA LV500 Herbicide at 1.12 L/ha or MCPA ESTER 600 Herbicide at 0.93 L/ha. Apply post-emergence when weeds are in the seedling stage (2-4 leaf) and when spring wheat and spring barley are in the 3-leaf to flag-leaf stage. Application before the 3-leaf stage of wheat and barley may cause severe twisting of leaves and stem, and head deformities which may reduce yield. Do not apply later than the flag-leaf stage. Do not apply to cereals underseeded with a legume.

#### **Mixing Instructions**

Add the correct amount of FLUROXYPYR WDG HERBICIDE to spray tank ½ filled with water and agitate. Add the correct amount of MCPA LV500 Herbicide or MCPA ESTER 600 Herbicide and continue to agitate.

### **Weeds Controlled or Suppressed by FLUROXYPYR WDG HERBICIDE + MCPA LV500 Herbicide or MCPA ESTER 600 Herbicide Tank-Mix**

#### **Weeds Controlled:**

Burdock, common	Hempnettle (2-6 leaf)	Ragweed, common
Canola, volunteer	Kochia*	Shepherd's purse
Cleavers (1-4 whorls)	Lamb's-quarters	Stinkweed
Cocklebur	Mustard (except green, dog and tansy)	Sunflower, annual
Flax, volunteer (1-12 cm)	Pigweed, redroot (1-4 leaf)	Vetch
Flixweed		Wild Radish
Prickly lettuce		

#### **Weeds Suppressed:**

Green smartweed	Wild buckwheat (1-8 leaf)
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Stork's bill (1-8 leaf)

\* Including biotypes resistant to Group 2 Herbicides that inhibit ALS enzyme.

**Pre-Harvest and Grazing Intervals (FLUROXYPYR WDG HERBICIDE + MCPA LV500 Herbicide or MCPA ESTER 600 Herbicide)**

- Allow 7 days between application and grazing/cutting for hay.
- Do not harvest the treated mature crop within 60 days after application.

**FLUROXYPYR WDG HERBICIDE + MCPA LV500 HERBICIDE or MCPA ESTER 600 Herbicide + OTHER HERBICIDES**

Tank mixtures of FLUROXYPYR WDG HERBICIDE + MCPA LV500 Herbicide or MCPA ESTER 600 Herbicide with other herbicides will provide control of additional weeds. For products which may be tank mixed with FLUROXYPYR WDG HERBICIDE + MCPA LV500 Herbicide or MCPA ESTER 600 and the additional weeds controlled, see the table below. Follow all precautions, minimal interval to harvest and directions for use (including timing of application) on the FLUROXYPYR WDG HERBICIDE and tank-mix partner labels.

**Tank-Mix Combinations with FLUROXYPYR WDG HERBICIDE (375 g/ha + MCPA LV500 Herbicide (1.12 L/ha) or MCPA ESTER 600 Herbicide (0.93 L/ha)**

Herbicide Tank-Mix Partner	Crops Registered	Rate/ha	Adjuvant Rate	Additional Weeds
Achieve Liquid*	Spring wheat Durum wheat Spring barley	0.5 kg	Turbocharge 0.5 L/ha (0.5% v/v)	Green foxtail Wild oats
Horizon Herbicide Tank-mix	Spring wheat Durum wheat	0.23 L	Score 0.8 L/ha (0.8% v/v)	Wild oats
Assert 300 SC	Spring wheat Durum wheat Spring barley	1.3 L 1.6 L	Refer to Assert 300 SC label	Wild oats (1-3 leaf) Wild oats (4 leaf)
Puma 120 Super	Spring wheat Durum wheat Spring barley	0.77 L	None required	Wild oats

\* MCPA Ester can be tank mixed at rates up to a maximum of 560 g a.e./ha with this tank-mix combination

**RESISTANCE MANAGEMENT**

For resistance management, FLUROXYPYR WDG HERBICIDE is a Group 4 Herbicide. Any weed population may contain or develop plants naturally resistant to FLUROXYPYR WDG HERBICIDE and other Group 4 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 FLUROXYPYR WDG HERBICIDE or other Group 4 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 weed-management recommendations for specific crops and weed biotypes.

For further information or to report suspected resistance, contact UPL AgroSolutions Canada Inc at 1-800-438-6071.

#### **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.

<sup>1</sup> Achieve is a registered trademark of Syngenta Company

<sup>2</sup>Horizon is a registered trademark of Syngenta Company

<sup>3</sup>Assert is a registered trademark of BASF

<sup>4</sup>Puma is a registered trademark of Bayer