

2018-1139
2018-05-02

(Container)

MPOWER BATTLEFRONT 50 SC HERBICIDE

GROUP	2	HERBICIDE
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FOR SALE FOR USE IN THE PRAIRIE PROVINCES AND THE INTERIOR OF BRITISH COLUMBIA ONLY

MPOWER BATTLEFRONT 50 SC HERBICIDE is a selective herbicide for postemergent control of annual broadleaf weeds including cleavers, wild buckwheat and chickweed in spring wheat (including durum), winter wheat, spring barley, and oats (tank mixes only).

AGRICULTURAL

Suspension

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

ACTIVE INGREDIENT: florasulam 50 g/L
Contains sodium benzoate as a preservative at 0.1%

REGISTRATION NO. 33003 PEST CONTROL PRODUCTS ACT

CAUTION  **POISON**

MAY CAUSE SLIGHT EYE IRRITATION

NET CONTENTS: 0.8L - bulk

**IN CASE OF A MEDICAL EMERGENCY, CALL,
DAY OR NIGHT: 613-996-6666**

NewAgco Inc.
320 – 22nd Street East
Saskatoon, Saskatchewan
Canada S7K 0H1
1-(877)-362-3276

Distributed by:
AgraCity Crop & Nutrition Ltd.
320 – 22nd Street East
Saskatoon, Saskatchewan
Canada S7K 0H1
1-(877)-362-3276

PRECAUTIONS

MAY CAUSE SLIGHT EYE IRRITATION

KEEP OUT OF REACH OF CHILDREN

DO NOT APPLY BY AIR

Do not enter or allow worker entry during the restricted entry interval (REI) of 12 hours after application.

At all times: Wear clean clothing with full length sleeves and pants.

During mixing and loading, and clean-up and repair: Wear chemical-resistant gloves. Rinse gloves before removal. Use safety glasses.

At completion of spraying or end of the day: Take a shower immediately. Wash thoroughly with soap and water before eating, drinking or smoking. 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.

FIRST AID

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

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

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

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

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

TOXICOLOGICAL INFORMATION

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

AGRICULTURAL CHEMICAL

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

ENVIRONMENTAL HAZARDS

Overspray or drift to sensitive habitats should be avoided. A buffer zone of 30 metres is required between the downwind edge of the boom and the closest edge of sensitive terrestrial habitats including forested areas, shelter belts, woodlots, hedgerows, and shrublands. A buffer zone of 5 metres is required between the downwind edge of the boom and the closest edge of sensitive aquatic habitats including sloughs, ponds, prairie potholes, lakes, rivers, streams, wetlands and wildlife habitats at the edge of these bodies of water. Do not contaminate these habitats when cleaning and rinsing spray equipment or containers.

Do not apply during periods of dead calm or when winds are gusty.

STORAGE

Store in original containers in a secure, dry heated storage MPOWER BATTLEFRONT 50 SC HERBICIDE will freeze at -10°C. If product is frozen, bring to room temperature and agitate before use. Do not allow contamination of seeds, plants, fertilizers or other pesticides. Do not contaminate food, feedstuffs or domestic water supplies. If containers are damaged or spill occurs, use the product immediately or contain the spill with absorbent materials and dispose of waste.

DISPOSAL

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.

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.

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

NOTICE TO USER: This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in any way that is inconsistent with the directions on the label.

(Booklet)

MPOWER BATTLEFRONT 50 SC HERBICIDE

GROUP	2	HERBICIDE
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FOR SALE FOR USE IN THE PRAIRIE PROVINCES AND THE INTERIOR OF BRITISH COLUMBIA ONLY

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AGRICULTURAL

Suspension

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

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TOXICOLOGICAL INFORMATION

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

AGRICULTURAL CHEMICAL

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

ENVIRONMENTAL HAZARDS

Overspray or drift to sensitive habitats should be avoided. A buffer zone of 30 metres is required between the downwind edge of the boom and the closest edge of sensitive terrestrial habitats including forested areas, shelter belts, woodlots, hedgerows, and shrublands. A buffer zone of 5 metres is required between the downwind edge of the boom and the closest edge of sensitive aquatic habitats including sloughs, ponds, prairie potholes, lakes, rivers, streams, wetlands and wildlife habitats at the edge of these bodies of water. Do not contaminate these habitats when cleaning and rinsing spray equipment or containers.

Do not apply during periods of dead calm or when winds are gusty.

STORAGE

Store in original containers in a secure, dry heated storage. MPOWER BATTLEFRONT 50 SC HERBICIDE will freeze at -10°C. If product is frozen, bring to room temperature and agitate before use. Do not allow contamination of seeds, plants, fertilizers or other pesticides. Do not contaminate food, feedstuffs or domestic water supplies. If containers are damaged or spill occurs, use the product immediately or contain the spill with absorbent materials and dispose of waste.

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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.

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

GENERAL INFORMATION

MPOWER BATTLEFRONT 50 SC HERBICIDE is a selective postemergence herbicide for the control of hard-to-kill annual broadleaf weeds such as chickweed, wild buckwheat and cleavers in spring wheat (including durum), winter wheat, spring barley, and oats (tank mixes only) not underseeded with legumes. MPOWER BATTLEFRONT 50 SC HERBICIDE is mixed with water and applied as a uniform broadcast spray. It is non-corrosive, nonflammable, and nonvolatile.

MPOWER BATTLEFRONT 50 SC HERBICIDE must be applied early postemergence, to the main flush of actively growing broadleaf weeds. Warm, moist growing conditions promote active weed growth and enhance the activity of MPOWER BATTLEFRONT 50 SC HERBICIDE by allowing maximum foliar uptake and contact activity. Weeds hardened off by cold weather or drought stress may not be adequately controlled or suppressed and re-growth may occur. For best results, ensure thorough spray coverage of target weeds. See "DIRECTIONS FOR USE" section of this label for complete use details.

MPOWER BATTLEFRONT 50 SC HERBICIDE stops growth of susceptible weeds rapidly. However, typical symptoms (discolouration) of dying weeds may not be noticeable for 1 to 2 weeks after application, depending upon growing conditions and weed susceptibility. Degree of control and duration of effect are dependent on weed sensitivity, weed size, crop competition, growing conditions at and following treatment, and spray coverage.

MODE OF ACTION

MPOWER BATTLEFRONT 50 SC HERBICIDE inhibits the production of the ALS enzyme in plants. This enzyme is essential for the production of certain amino acids which are essential for plant growth. MPOWER BATTLEFRONT 50 SC HERBICIDE is a Group 2 mode of action herbicide.

GENERAL USE PRECAUTIONS

Sensitive Plants

Do not apply MPOWER BATTLEFRONT 50 SC HERBICIDE directly to, or otherwise permit it to come in direct contact with susceptible crops or desirable plants including alfalfa, edible beans, canola, flowers and ornamentals, lentils, lettuce, peas, potatoes, radishes, soybeans, sugar beets, sunflowers, tomatoes or tobacco.

Non-Target Sites

Do not apply where proximity of susceptible crops (e.g. canola and legumes) or other desirable plants is likely to result in exposure to spray or spray drift. See Environmental Hazards section of the label.

Crop Rotation

Fields previously treated with MPOWER BATTLEFRONT 50 SC HERBICIDE can be seeded the following year to barley, canola, chickpeas, corn, field beans, flax, Juncea canola, lentils, mustard (brown, oriental and/or yellow), oats, peas, potatoes (except seed potatoes), soybeans, sunflower, wheat or fields can be summerfallowed.

Do not use in successive years at the same site.

This product has potential to leach. Do not apply excessive irrigation.

Tank Mixtures

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 AgraCity Crop & Nutrition Ltd. representatives at 1-877-362-3276 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 AgraCity Crop & Nutrition Ltd.

Spray Equipment Precaution

Do not apply through any type of irrigation system.

DO NOT APPLY BY AIR.

To Reduce Spray Drift:

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

Sprayer Clean-Out Instructions

To avoid injury to desirable plants, thoroughly clean equipment used to apply this product before re-use or using it to apply other chemicals.

1. Immediately after spraying, completely drain the sprayer tank. Any contamination on the outside of the spraying equipment should be removed by washing with clean water.
2. First rinse:
 - Spray the inside of tank with clean water and fill the sprayer with at least one tenth of the spray tank volume.
 - Agitate and circulate for 15 minutes, and flush through booms and hoses.
 - Remove end caps or open ball valves on the ends of each boom section, and flush solution through the boom ends to ensure there is no spray solution trapped between the boom end and the nozzles.
 - Drain tank completely.

3. Second rinse:
 - Fill the tank with clean water.
 - Add All Clear Spray Tank Decontaminator, or Clean-Out Spray Tank Cleaner, or 1 L of household ammonia (containing a minimum of 3 % ammonia) per 100 L of water, or similar tank cleaning agent as per manufacturer's recommendations while filling the tank with clean water.
 - Agitate and then flush the boom and hoses with the cleaning solution. Top up with water making sure the tank is completely full. Allow to stand for 15 minutes with agitation. Flush the solution out of the spray tank through the spray booms. Remove end caps or open ball valves on the ends of each boom section, and flush solution through the boom ends to ensure there is no spray solution trapped between the boom end and the nozzles.
 - If possible, let the solution stand in the sprayer tank and booms for an extended period of time, overnight if possible.
 - After flushing the boom and hoses, drain tank completely.
 - Remove nozzles and screens and clean separately with a cleaning agent or an ammonia solution (100 mL in 10 L water).
4. Third rinse:
 - Rinse the tank with clean water and flush through the boom and hoses using at least one tenth of the spray tank volume.
 - Remove end caps or open ball valves on the ends of each boom section, and flush solution through the boom ends to ensure there is no spray solution trapped between the boom end and the nozzles.
 - Drain tank completely.

Do not use ammonia with chlorine bleach. Using ammonia with chlorine bleach will release a gas with a musty odour which may cause eye, nose, throat and lung irritation. Do not clean equipment in an enclosed area.

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 UNDERSEEDED WITH LEGUMES.

MPOWER BATTLEFRONT 50 SC HERBICIDE ALONE

Crops Registered

Spring wheat (including durum), winter wheat and spring barley

Application Directions

Apply 100 mL of MPOWER BATTLEFRONT 50 SC HERBICIDE per hectare in a minimum of 100 L of water per hectare. Add Agral 90 at 0.2% v/v. See weeds species controlled under "Weeds Controlled or Suppressed by MPOWER BATTLEFRONT 50 SC HERBICIDE Alone at 100 mL/ha." Apply to actively growing wheat and barley from the 2 to 6 leaf stage. Apply when weeds are actively growing. Only weeds emerged at the time of treatment will be controlled. Best results are obtained from applications made to seedling weeds.

Application Timing

Apply to actively growing weeds in the 2-4 leaf stage. Extreme growing conditions such as drought or near freezing temperature prior to, at or following time of application may reduce weed control and increase the risk of crop injury at all stages of growth. Only weeds which are emerged at the time of application will be affected. If foliage is wet at the time of application control may be decreased. Under conditions of low crop and high weed density, control may be reduced.

Weeds Controlled or Suppressed by MPOWER BATTLEFRONT 50 SC HERBICIDE Alone at 100 mL/ha

Weeds Controlled:

buckwheat, wild	shepherd's-purse
canola, volunteer*	smartweed
chickweed, common	stinkweed
cleavers	mustard, wild
cow cockle	

*Including herbicide-tolerant canola varieties except Clearfield canola.

Weeds Suppressed:

hempenettle	sowthistle, annual
narrow-leaved hawks beard	sowthistle, perennial*
pigweed, redroot	

*Applications made at advanced leaf stages will reduce product effectiveness.

Mixing Instructions

1. Fill sprayer tank 1/2 full of water.
2. Start sprayer tank agitation.
3. Add the required amount of MPOWER BATTLEFRONT 50 SC HERBICIDE
4. Fill the sprayer tank with sufficient water to spray 100 L of spray mixture per hectare.
5. Add Agral 90 as the last ingredient at the rate of 0.2% v/v (2 L per 1000 L of spray volume).
6. Follow sprayer directions and precautions as outlined above, especially when applying next to sensitive crops (e.g. canola and legumes).
7. Follow sprayer clean-up directions.

Preharvest/Grazing Intervals

Livestock may be grazed on treated crops 7 days following application. Do not harvest the treated crop within 60 days after application.

TANK-MIX COMBINATION – MPOWER BATTLEFRONT 50 SC HERBICIDE + AXIAL 100EC HERBICIDE

For control of annual grasses (see table below) tank mix MPOWER BATTLEFRONT 50 SC HERBICIDE with Axial 100EC Herbicide . Refer to the above table for broadleaf weeds controlled or suppressed with MPOWER BATTLEFRONT 50 SC HERBICIDE. Read all tank mix partner labels thoroughly for more information on precautions, preharvest intervals, buffer zone requirements and additional directions for use.

Tank-Mix Combinations with MPOWER BATTLEFRONT 50 SC HERBICIDE for Annual Grass Control

Tank-Mix Partner	Crops Registered	Rate/ha	Adjuvant and Rate	Additional Weeds Controlled
Axial 100 EC Herbicide	spring wheat spring barley	600 mL	Adigor 700 mL/ha	wild oats, green foxtail* yellow foxtail, barnyard grass, volunteer oats, volunteer canary seed, proso millet

*Reduction in control of green foxtail may be observed when tank mixed with Axial 100EC Herbicide.

To control additional broadleaf weeds, MCPA Ester may be added to either tank mix up to a maximum of 420 g ae/ha (equivalent to 840 mL/ha of MCPA LV500). Refer to the MCPA Ester tank mix partner label for rates less than 420 g ae/ha and weed 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 MPOWER BATTLEFRONT 50 SC HERBICIDE and agitate for 2-3 minutes.
3. If 2,4-D Ester, MCPA Ester or Curtail M are also being added, add these next.
4. Add Axial 100EC Herbicide Agitate for 2-3 minutes.
5. Add required Adjuvant.
6. Agitate for 1-2 minutes before adding remainder of water and then maintain constant agitation.
7. After any break in spraying operations, agitate thoroughly before spraying again.
8. **Use the spray suspension as soon as it is prepared.**
9. If an oil film starts to build up in the tank, drain tank and then clean as directed on this label.

TANK MIX COMBINATION - MPOWER BATTLEFRONT 50 SC HERBICIDE + MCPA ESTER HERBICIDE

Crops Registered

Spring wheat (including durum), winter wheat, spring barley, and oats

Application Directions

For control of a wide spectrum of broadleaf weeds apply MPOWER BATTLEFRONT 50 SC HERBICIDE at 100 mL/ha tank mixed with MCPA Ester Herbicide at 350 g ae/ha (e.g., MCPA LV 500 at 0.70 L/ha) in 100 L per hectare of water. Apply to actively growing wheat, barley, and oats from the 2 to 6 leaf stage. Apply when weeds are actively growing. Only weeds emerged at the time of treatment will be controlled. Best results are obtained from applications made to seedling weeds. Follow all precautions, directions for use, and limitations on the tank mix partner labels.

Weeds Controlled or Suppressed by the Tank Mixture of MPOWER BATTLEFRONT 50 SC HERBICIDE + MCPA Ester Herbicide

Weeds Controlled:

buckwheat, wild	hempnettle ^{***}	ragweed, common
burdock ^{**}	lamb'squarters	shepherd's purse
canola, volunteer [*]	mustard, ball	smartweed
chickweed, common	mustard, wild	stinkweed
cleavers	pigweed, redroot ^{***}	sunflower, annual ^{**}
cow cockle	pigweed, Russian ^{**}	
flixweed (spring rosettes only)	prickly lettuce ^{**}	

Weeds Suppressed:

dandelion (seedlings and overwintered rosettes less than 15 cm) ^{***}	sowthistle, perennial
plantain (top growth)	stork's bill ^{***}
sowthistle, annual	thistle, Canada ^{***}
	narrow-leaved hawk's beard

^{*}Including herbicide-tolerant canola varieties

^{**}Up to 4 leaf stage

^{***}Optimum control can be achieved with the addition of 70 g ae/ha of MCPA Ester Herbicide

Mixing Instructions

1. Fill sprayer tank 1/2 full of water.
2. Start sprayer tank agitation.
3. Add the required amount of MPOWER BATTLEFRONT 50 SC HERBICIDE
4. Add the correct amount of MCPA Ester Herbicide and continue to agitate.
5. Fill the sprayer tank with sufficient water to spray 100 L of spray mixture per hectare.
6. Follow sprayer directions and precautions as outlined above, especially when applying next to sensitive crops (e.g. canola and legumes).
7. Follow sprayer clean-up directions.

Note: Do not add a surfactant to this tank mixture.

Pre-Harvest/Grazing Intervals (MPOWER BATTLEFRONT 50 SC HERBICIDE + MCPA Ester Herbicide)

1. Do not cut the treated crop for hay or graze treated crop within 7 days after application.
2. Do not harvest the treated crop within 60 days after application.

TANK-MIX COMBINATIONS - MPOWER BATTLEFRONT 50 SC HERBICIDE + MCPA ESTER HERBICIDE + OTHER HERBICIDES

Crops Registered

Spring wheat (including durum) and spring barley

Do not apply these tank mixes to oats.

Application Directions

Tank mixtures of MPOWER BATTLEFRONT 50 SC HERBICIDE + MCPA Ester Herbicide with other herbicides will provide control of broadleaf weeds and specified annual grasses. Apply to actively growing wheat and barley from the 2 to 6 leaf stage. Apply when weeds are actively growing. Only weeds emerged at the time of treatment will be controlled. Best results are obtained from applications made to seedling weeds. Follow all precautions, minimum interval to harvest and directions for use on the MPOWER BATTLEFRONT 50 SC HERBICIDE and tank mix partner labels.

Tank-Mix Combinations with MPOWER BATTLEFRONT 50 SC HERBICIDE + MCPA Ester Herbicide + Other Herbicides

Herbicide Tank-Mix Partner	Crops Registered	Rate (Product/ha)	Adjuvant and Rate	Additional Weeds Controlled
Assert 300 SC Herbicide	wheat (spring & durum), spring barley	1.6 L	Refer to Assert 300 SC Herbicide label	wild oat

Everest 2.0 Herbicide [†]	Wheat (spring & durum)	36-72 mL/ha	Non-ionic surfactant (see label) 0.25% v/v	Wild oat and green foxtail
Simplicity [™]	wheat (spring & durum)	500 mL	Not required	Wild oat, barnyard grass, Japanese brome, hempnettle [†] redroot pigweed ^{**}
Axial 100EC Herbicide	spring wheat, spring barley	600 mL	Adigor 700 mL/ha	Wild oats, green foxtail ^{***} , yellow foxtail, barnyard grass ^{***} , volunteer oats, volunteer canary seed, proso millet

[†]For conditions for when to use the higher rates, refer to the Everest 2.0 Herbicide label.

^{*}Wheat (including durum) exposed to water-logged or saturated soils, or temperature extremes such as heat or freezing weather, or drought, low fertility or plant disease at application time could show unacceptable injury symptoms. Weed control may also be reduced by these same conditions.

^{**}Additional MCPA not required

^{***}Suppression only of green foxtail and reduction in barnyard grass control may be observed.

Mixing Instructions

1. Fill sprayer tank 1/2 full of water.
2. Start sprayer tank agitation.
3. Add MPOWER BATTLEFRONT 50 SC HERBICIDE (see Notes 2 and 3 below).
4. Add MCPA Ester Herbicide and continue to agitate.
5. Add the required amount of tank mix partner and continue to agitate.
6. Fill the sprayer tank with sufficient water to spray 100 L of spray mixture per hectare.
7. Follow sprayer directions and precautions as outlined above, especially when applying next to sensitive crops (e.g. canola and legumes).
8. Follow sprayer clean-up directions.

Note 1: Add only the adjuvant recommended above. Follow tank-mix partner label for order of mixing and any specific instructions for mixing.

Note 2: When using Assert 300 SC Herbicide, add tank mix partners in the following order: MPOWER BATTLEFRONT 50 SC HERBICIDE, Spray Water pH Adjuster, Assert 300 SC Herbicide, MCPA Ester Herbicide.

Note 3: When using Everest 2.0 Herbicide add tank mix partners in the following order: Everest 2.0 Herbicide, tank mix partner, adjuvant.

TANK MIX COMBINATION - MPOWER BATTLEFRONT 50 SC HERBICIDE + CURTAIL[™] M HERBICIDE

Crops Registered

Spring wheat (including durum), spring barley, and oats

Application Directions

For control of a wide spectrum of annual broadleaf weeds plus Canada thistle and perennial sowthistle, apply MPOWER BATTLEFRONT 50 SC HERBICIDE at 100 mL/ha tank mixed with 1.5 L/ha of Curtail M Herbicide in 100 L per hectare of water. Apply to actively growing wheat, barley, and oats from the 2 to 6 leaf stage. Apply when weeds are actively growing. Only weeds emerged at the time of treatment will be controlled. Best results are obtained from applications made to seedling weeds. Follow all precautions, directions for use and limitations on the tank mix partner labels.

Weeds Controlled or Suppressed by the Tank Mixture of MPOWER BATTLEFRONT 50 SC HERBICIDE + Curtail M Herbicide

Weeds Controlled:

buckwheat, wild	lamb'squarters	stinkweed
canola, volunteer*	mustard, wild	stork's-bill
chickweed, common	narrow-leaved hawk's beard (seedling to <20 cm)	thistle, Canada
cleavers	pigweed, redroot	
cow cockle	shepherd's purse	
dandelions (seedlings and over-wintered rosettes < 15 cm)	smartweed	
flixweed (spring rosettes only)	sowthistle, perennial (top growth only) **	
hempnettle	sowthistle, annual	

* Including herbicide-tolerant canola varieties.

** Control not observed until a minimum of 40 days after treatment.

Weeds Suppressed:

dandelion (overwintered rosettes >15 cm, mature plants)
plantain (top growth)

Mixing Instructions

1. Fill sprayer tank 1/2 full of water.
2. Start sprayer tank agitation.
3. Add the required amount of MPOWER BATTLEFRONT 50 SC HERBICIDE
4. Add the correct amount of Curtail M Herbicide and continue to agitate.
5. Fill the sprayer tank with sufficient water to spray 100 L of spray mixture per hectare.
6. Follow sprayer directions and precautions as outlined above, especially when applying next to sensitive crops (e.g. canola and legumes).
7. Follow sprayer clean-up directions.

Note: Do not add a surfactant to this tank mixture.

Pre-Harvest/Grazing Intervals (MPOWER BATTLEFRONT 50 SC HERBICIDE + Curtail M Herbicide)

1. Do not cut the treated crop for hay or graze treated crop within 7 days after application.
2. Do not harvest the treated crop within 60 days after application.

TANK-MIX COMBINATIONS - MPOWER BATTLEFRONT 50 SC HERBICIDE + CURTAIL M HERBICIDE + OTHER HERBICIDES

Crops Registered

Spring wheat (including durum) and spring barley

Do not apply these tank mixes to oats.

Application Directions

Tank mixtures of MPOWER BATTLEFRONT 50 SC HERBICIDE + MCPA Ester Herbicide or Curtail M Herbicide with other herbicides will provide control of broadleaf weeds and specified annual grasses. Apply to actively growing wheat and barley from the 2 to 6 leaf stage. Apply when weeds are actively growing. Only weeds emerged at the time of treatment will be controlled. Best results are obtained from applications made to seedling weeds. Follow all precautions, minimum interval to harvest and directions for use on the MPOWER BATTLEFRONT 50 SC HERBICIDE and tank mix partner labels.

Tank-Mix Combinations with MPOWER BATTLEFRONT 50 SC HERBICIDE, Curtail M Herbicide + Other Herbicides

Herbicide Tank-Mix Partner	Crops Registered	Rate (Product/ha)	Adjuvant and Rate	Additional Weeds Controlled
Assert 300 SC Herbicide	wheat (spring & durum), spring barley	1.6 L	Refer to Assert 300 SC label	wild oat
Everest 2.0 Herbicide[†]	Wheat (spring & durum)	36-72 mL/ha	Non-ionic surfactant (see label) 0.25% v/v	wild oat and green foxtail
Simplicity	wheat (spring & durum)	500 mL	Not required	Wild oat, barnyard grass, Japanese brome, yellow foxtail
Axial 100EC Herbicide	spring wheat, spring barley	600 mL	Adigor 700 mL/ha	Wild oats, green foxtail**, yellow foxtail barnyard grass**, volunteer oats, volunteer canary seed, proso millet

[†] For conditions for when to use the higher rates, refer to the Everest 2.0 Herbicide label.

*Wheat (including durum) exposed to water-logged or saturated soils, or temperature extremes such as heat or freezing weather, or drought, low fertility or plant disease at application time could show unacceptable injury symptoms. Weed control may also be reduced by these same conditions.

**Suppression only of green foxtail and reduction in barnyard grass control may be observed.

Mixing Instructions

1. Fill sprayer tank 1/2 full of water.
2. Start sprayer tank agitation.
3. Add tank mix partners in the proper order (see Notes 2 and 3 below) and continue to agitate.
4. Fill the sprayer tank with sufficient water to spray 100 L of spray mixture per hectare.
5. Follow sprayer directions and precautions as outlined above, especially when applying next to sensitive crops (e.g. canola and legumes).
6. Follow sprayer clean-up directions.

Note 1: Add only the adjuvant recommended. Follow tank-mix partner label for order of mixing and for any specific mixing instructions.

Note 2: When using Assert 300 SC Herbicide, add tank mix partners in the following order: MPOWER BATTLEFRONT 50 SC HERBICIDE, Spray Water pH Adjuster, Assert 300 SC Herbicide, Curtail M Herbicide.

Note 3: When using Everest 2.0 Herbicide add tank mix partners in the following order: Everest 2.0 Herbicide, tank mix partner, adjuvant. Vigorous agitation is required to dissolve Everest 2.0 Herbicide before adding other tank mix partners.

TANK-MIX COMBINATION - MPOWER BATTLEFRONT 50 SC HERBICIDE + 2,4-D ESTER HERBICIDE

Crops Registered

Spring wheat (including durum) and winter wheat

Application Directions

For control of a wide spectrum of broadleaf weeds apply MPOWER BATTLEFRONT 50 SC HERBICIDE at 100 mL/ha tank-mixed with 2,4-D Ester Herbicide at 560 g a.e./ha (eg. 2,4-D LV600 at 1.0 L/ha). Follow all precautions, directions for use and limitations on the tank -mix partner labels. Apply when wheat is in the 3 leaf expanded stage to the 6 leaf stage. Apply when weeds are actively growing. Only weeds emerged at the time of treatment will be affected. Best results are obtained from application made to seedling weeds.

Weeds Controlled or Suppressed by the Tank Mixture of MPOWER BATTLEFRONT 50 SC HERBICIDE + 2,4-D Ester Herbicide

Weeds Controlled:

bluebur	flixweed	ragweed, common
burdock	kochia ^{♦♦}	shepherd's purse
buckwheat, tartary	lady's-thumb	smartweed
buckwheat, wild	lamb'squarters	sowthistle, annual
canola, volunteer [♦]	mustard, ball	stinkweed
chickweed, common	mustard, wild	sunflower, annual
cleavers	narrow-leaved hawks beard ^{♦♦♦}	thistle, Russian
cocklebur	pigweed, redroot	vetch
cow cockle	plantain	
dandelion (seedlings and overwintered rosettes)	prickly lettuce	wild radish

[♦]Including all herbicide-tolerant canola varieties

^{♦♦}Up to 5 cm in height

^{♦♦♦}1-2 leaf stage

Weeds Suppressed:

hempnettle
sowthistle, perennial (top growth control)
thistle, Canada (top growth control)

Mixing Instructions

1. Fill sprayer tank 1/2 full of water.
2. Start sprayer tank agitation.
3. Add MPOWER BATTLEFRONT 50 SC HERBICIDE
4. Add 2,4-D Ester Herbicide and continue to agitate.
5. Fill the sprayer tank with sufficient water to spray 100 L of spray mixture per hectare.
6. Follow sprayer directions and precautions as outlined above, especially when applying next to sensitive crops (e.g. canola and legumes).
7. Follow sprayer clean-up directions.

Pre-Harvest/Grazing Intervals (MPOWER BATTLEFRONT 50 SC HERBICIDE + 2,4-D Ester Herbicide)

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

TANK-MIX COMBINATIONS WITH MPOWER BATTLEFRONT 50 SC HERBICIDE + 2,4- D ESTER HERBICIDE + OTHER HERBICIDES

Crops Registered

Spring wheat (including durum)

Tank mixtures of MPOWER BATTLEFRONT 50 SC HERBICIDE + 2,4-D Ester Herbicide with other herbicides will provide control of broadleaf weeds and specified annual grasses. Apply when crops and weeds are actively growing. Only weeds emerged at the time of treatment will be controlled. Best results are obtained from applications made to seedling weeds. Follow all precautions, minimum interval to harvest and directions for use on the MPOWER BATTLEFRONT 50 SC HERBICIDE and tank-mix partner labels.

Tank-Mix Combinations with MPOWER BATTLEFRONT 50 SC HERBICIDE + 2,4-D Ester Herbicide + Other Herbicides

Herbicide Tank-Mix Partner	Rate (Product/ha)	Adjuvant and Rate	Additional Weeds Controlled
Assert 300 SC Herbicide	1.6 L	Refer to the Assert 300 SC Herbicide label	wild oat
Everest 2.0 Herbicide*†	36-72 mL/ha	Non-ionic surfactant (see label) 0.25% v/v	wild oat and green foxtail

† For conditions for when to use the higher rates, refer to the Everest 2.0 Herbicide label.

* Wheat (including durum) exposed to water-logged or saturated soils, or temperature extremes such as heat or freezing weather, or drought, low fertility or plant disease at application time could show unacceptable injury symptoms. Weed control may also be reduced by these same conditions.

Mixing Instructions

1. Fill sprayer tank 1/2 full of water.
2. Start sprayer tank agitation.
3. Add MPOWER BATTLEFRONT 50 SC HERBICIDE (see Notes 2 and 3 below).
4. Add 2,4-D Ester Herbicide and continue to agitate.
5. Add tank mix partner and continue to agitate.
6. Fill the sprayer tank with sufficient water to spray 100 L of spray mixture per hectare.
7. Follow sprayer directions and precautions as outlined above, especially when applying next to sensitive crops (e.g. canola and legumes).
8. Follow sprayer clean-up directions.

Note 1: Add only the adjuvant recommended below. Follow tank-mix partner label for order of mixing and any specific instructions for mixing.

Note 2: When using Assert 300 SC herbicide, add tank mix partners in the following order: MPOWER BATTLEFRONT 50 SC HERBICIDE, Spray Water pH Adjuster, Assert 300 SC Herbicide, 2,4-D Ester Herbicide.

Note 3: When using Everest 2.0 Herbicide add tank mix partners in the following order: Everest 2.0 Herbicide, tank mix partner, adjuvant. Vigorous agitation is required to dissolve Everest 2.0 Herbicide before adding other tank mix partners.

TANK-MIX COMBINATION - MPOWER BATTLEFRONT 50 SC HERBICIDE + GLYPHOSATE PRESENT AS ISOPROPYLAMINE SALT OR DIMETHYLAMINE SALT (E.G., VANTAGE™ PLUS HERBICIDE OR VANTAGE PLUS MAX II HERBICIDE SOLUTION)

Application Directions

MPOWER BATTLEFRONT 50 SC HERBICIDE may be tank mixed with glyphosate present as isopropylamine salt (e.g., Vantage Plus Herbicide) or dimethylamine salt (e.g., Vantage Plus MAX II Herbicide) to control volunteer glyphosate tolerant canola, wild buckwheat (up to 5 leaf) and top growth control of dandelion (up to 6 leaf stage) in addition to the labelled weeds controlled by MPOWER BATTLEFRONT 50 SC HERBICIDE or glyphosate.

Apply MPOWER BATTLEFRONT 50 SC HERBICIDE at 100 mL/ha and glyphosate (present as isopropylamine salt or dimethylamine salt) at 450 g a.e./ha in 100 L water per hectare. Follow all precautions, directions for use, and limitations on the tank mix partner labels.

Application Timing and Cropping

Apply to actively growing weeds in the 2-4 leaf stage, except where noted above. Extreme growing conditions such as drought or near freezing temperature prior to, at or following time of application may reduce weed control. Only weeds which are emerged at the time of application will be affected. If foliage is wet at the time of application, control may be decreased. Under conditions of high weed density, control may be reduced.

Spring

MPOWER BATTLEFRONT 50 SC HERBICIDE + glyphosate may be applied in the spring prior to seeding and no longer than 48 hours after seeding prior to any crop emergence. Fields treated with MPOWER BATTLEFRONT 50 SC HERBICIDE in the spring may be planted to barley, oats, wheat, durum or summer fallowed.

Summer

Prior to August 1st: MPOWER BATTLEFRONT 50 SC HERBICIDE + glyphosate may be applied to summer fallow fields and seeded in the following spring to barley, canola, oats, peas or wheat (including durum) or summer fallowed.

After August 1st, MPOWER BATTLEFRONT 50 SC HERBICIDE + glyphosate may be applied to summer fallow fields and seeded in the following spring to barley, oats or wheat (including durum) or summer fallowed.

Fall

MPOWER BATTLEFRONT 50 SC HERBICIDE + glyphosate may be applied to stubble or summer fallow fields after August 1st and prior to freeze-up and may be seeded to barley, oats or wheat (including durum) or summer fallowed.

Do not use in successive years at the same site.

Apply only one of the following treatments to the same site in the same year: a tank-mix of MPOWER BATTLEFRONT 50 SC HERBICIDE and glyphosate (present as isopropylamine salt or dimethylamine salt, prior to planting or as the initial treatment in summerfallow) or any post emergent herbicide containing florasulam.

RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, MPOWER BATTLEFRONT 50 SC HERBICIDE is a Group 2 herbicide. Any weed population may contain or develop plants naturally resistant to MPOWER BATTLEFRONT 50 SC HERBICIDE 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 MPOWER BATTLEFRONT 50 SC HERBICIDE or other Group 2 herbicide within a growing season (sequence) or among growing seasons 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. 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. AgraCity Crop & Nutrition Ltd. representatives at 1-877-362-3276.

NOTICE TO USER: This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in any way that is inconsistent with the directions on the label.

TMCurtail, Vantage, Simplicity are registered trademarks of The Dow Chemical Company (“Dow”) or an affiliated company of Dow

All other products listed are registered trademarks of their respective companies.

(Container)

MPower Foxy Herbicide

GROUP	4	HERBICIDE
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FOR SALE FOR USE ONLY IN THE PRAIRIE PROVINCES AND THE INTERIOR OF BRITISH COLUMBIA

EMULSIFIABLE CONCENTRATE

Mpower Foxy 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. Mpower Foxy Herbicide will also suppress hemp-nettle, common chickweed and wild buckwheat.

AGRICULTURAL

ACTIVE INGREDIENT: fluroxypyr 180 g/L
(present as 1-methylheptyl ester)

REGISTRATION NO. 32952 PEST CONTROL PRODUCTS ACT

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

DANGER  **POISON**

EYE AND SKIN IRRITANT

NET CONTENTS: 4.8 L – bulk

NewAgco, Inc.
320 22nd Street East
Saskatoon (Sask.) S7K 0H1 Canada
1-877-362-3276

Distributed by:
AgraCity Crop & Nutrition Ltd.
320 – 22nd Street East
Saskatoon (Sask.) S7K 0H1 Canada
1-877-362-3276

PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN

HARMFUL IF SWALLOWED, INHALED OR ABSORBED THROUGH SKIN

MAY CAUSE SKIN IRRITATION

DO NOT APPLY BY AIR

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

If this pest control product is to be used on a commodity that may be exported to the U.S. and you require information on acceptable residue levels in the U.S., visit CropLife Canada's website at www.croplife.ca.

PROTECTIVE CLOTHING AND EQUIPMENT

At all times: Wear a long-sleeved shirt, long pants, and socks plus shoes. **In addition, during mixing and loading, and clean-up and repair:** Wear goggles or face shield and chemical-resistant gloves.

Rinse gloves before removal.

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. 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.

PHYSICAL OR CHEMICAL HAZARDS

COMBUSTIBLE. Do not use or store near heat or open flame.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours after application.

FIRST AID

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

If swallowed: Call a poison control centre or doctor immediately for treatment advice. 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.

TOXICOLOGICAL INFORMATION

This product contains petroleum distillates. Treatment should be based on judgment of the physician in response to reactions of the patient. Vomiting may cause aspiration pneumonia.

AGRICULTURAL CHEMICAL

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

ENVIRONMENTAL HAZARDS

Overspray or drift to important wildlife habitats, such as ponds, wetlands, streams, woodlots and shelterbelts, should be avoided. A 15 metre buffer zone should be established between the area to be sprayed and aquatic environments or terrestrial habitats listed above. Do not contaminate water when disposing of equipment washwaters. Do not contaminate irrigation ditches or water used for domestic purposes.

This product contains a petroleum distillate which is moderately to highly toxic to aquatic organisms. Avoid contamination of aquatic systems during application. Do not contaminate these systems through direct application, disposal of waste or cleaning of equipment.

STORAGE

Store in original containers in a secure, dry heated storage. If product is frozen, bring to room temperature and agitate before use. Do not allow contamination of seeds, plants, fertilizers or other pesticides. Do not contaminate food, feedstuffs or domestic water supplies. If containers are damaged or spill occurs, use the product immediately or contain the spill with absorbent materials and dispose of waste.

DISPOSAL

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.

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).

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

NOTICE TO USER: This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label.

(Booklet)

MPower Foxy Herbicide

GROUP	4	HERBICIDE
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FOR SALE FOR USE ONLY IN THE PRAIRIE PROVINCES AND THE INTERIOR OF BRITISH COLUMBIA

EMULSIFIABLE CONCENTRATE

MPower Foxy 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. MPower Foxy Herbicide will also suppress hemp-nettle, common chickweed and wild buckwheat.

AGRICULTURAL

ACTIVE INGREDIENT: fluroxypyr 180 g/L
(present as 1-methylheptyl ester)

REGISTRATION NO. 32952 PEST CONTROL PRODUCTS ACT

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

DANGER  **POISON**

EYE AND SKIN IRRITANT

NET CONTENTS: 4.8 L – bulk

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Distributed by:
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PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN

HARMFUL IF SWALLOWED, INHALED OR ABSORBED THROUGH SKIN

MAY CAUSE SKIN IRRITATION

DO NOT APPLY BY AIR

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

If this pest control product is to be used on a commodity that may be exported to the U.S. and you require information on acceptable residue levels in the U.S., visit CropLife Canada's website at www.croplife.ca.

PROTECTIVE CLOTHING AND EQUIPMENT

At all times: Wear a long-sleeved shirt, long pants, and socks plus shoes. **In addition, during mixing and loading, and clean-up and repair:** Wear goggles or face shield and chemical-resistant gloves.

Rinse gloves before removal.

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. 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.

PHYSICAL OR CHEMICAL HAZARDS

COMBUSTIBLE. Do not use or store near heat or open flame.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours after application.

FIRST AID

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

If swallowed: Call a poison control centre or doctor immediately for treatment advice. 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.

TOXICOLOGICAL INFORMATION

This product contains petroleum distillates. Treatment should be based on judgment of the physician in response to reactions of the patient. Vomiting may cause aspiration pneumonia.

AGRICULTURAL CHEMICAL

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

ENVIRONMENTAL HAZARDS

Overspray or drift to important wildlife habitats, such as ponds, wetlands, streams, woodlots and shelterbelts, should be avoided. A 15 metre buffer zone should be established between the area to be sprayed and aquatic environments or terrestrial habitats listed above. Do not contaminate water when disposing of equipment washwaters. Do not contaminate irrigation ditches or water used for domestic purposes.

This product contains a petroleum distillate which is moderately to highly toxic to aquatic organisms. Avoid contamination of aquatic systems during application. Do not contaminate these systems through direct application, disposal of waste or cleaning of equipment.

STORAGE

Store in original containers in a secure, dry heated storage. If product is frozen, bring to room temperature and agitate before use. Do not allow contamination of seeds, plants, fertilizers or other pesticides. Do not contaminate food, feedstuffs or domestic water supplies. If containers are damaged or spill occurs, use the product immediately or contain the spill with absorbent materials and dispose of waste.

DISPOSAL

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.

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).

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

GENERAL INFORMATION

MPower Foxy Herbicide is a selective postemergent herbicide for the control of annual broadleaved weeds in spring wheat, durum wheat and spring barley, not underseeded with legumes. MPower Foxy Herbicide offers a novel mode of action for controlling hard-to-kill annual broadleaved weeds such as kochia (including ALS resistant biotypes) and cleavers. MPower Foxy Herbicide will also provide suppression of hempnettle, wild buckwheat and chickweed.

MODE OF ACTION

MPower Foxy Herbicide is a systemic 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 USE PRECAUTIONS

Sensitive Plants

Do not apply MPower Foxy Herbicide directly to, or otherwise permit it to come in direct contact with susceptible crops or desirable plants including alfalfa, edible beans, canola, flowers and ornamentals, lentils, lettuce, peas, potatoes, radishes, soybeans, sugar beets, sunflowers, tomatoes or tobacco.

Non-Target Sites

Do not apply where proximity of susceptible crops or other desirable plants is likely to result in exposure to spray or spray drift. See Environmental Hazards section of the label.

Crop Rotation

Fields previously treated with MPower Foxy 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.

Tank Mixtures

Do not apply this product with any other additive, pesticide or fertilizer except as specifically recommended on this label. When a tank mixture is used, consult the labels of the tank-mix partners and observe the largest (most restrictive) buffer zone of the products involved in the tank mixture.

Spray Equipment Precaution

Do not apply through any type of irrigation system.

DO NOT APPLY BY AIR.

To Reduce Spray Drift:

- Use nozzles delivering higher volumes and coarser droplets.
- Use low pressure (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.

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

To Reduce Runoff from Treated Areas:

To reduce runoff from treated areas into aquatic habitats, consider the characteristics and conditions of the site before treatment. Site characteristics and conditions that may lead to runoff include, but are not limited to: heavy rainfall, moderate to steep slope, bare soil, poorly draining soil (e.g. soils that are compacted, fine textured, or low in organic matter such as clay). Avoid application of this product when heavy rain is forecast. Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative strip (buffer zone) between the treated area and the edge of the water body.

Equipment Clean-Up

Equipment used to apply MPower Foxy Herbicide should not be used to apply other pesticides to sensitive crops without thorough cleaning. Contact your MPower Foxy Herbicide dealer for detailed equipment cleaning procedures.

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.

Crops Registered

spring wheat
durum wheat
spring barley

MPower Foxy Herbicide ALONE

Apply MPower Foxy Herbicide for postemergent control of cleavers and kochia, including ALS resistant kochia and other broadleaved weeds infesting spring wheat, durum wheat and spring barley. See following table for weeds controlled/suppressed and application rates.

Weeds Controlled Or Suppressed By MPower Foxy Herbicide Alone

Weeds Controlled	MPower Foxy Herbicide Rate (L/ha)
cleavers (1-4 whorls)	0.4
kochia* (2-8 leaf)	0.6
round-leaved mallow (1-6 leaf)	0.8
volunteer flax (1-12 cm)	0.6
Weeds Suppressed	MPower Foxy Herbicide Rate (L/ha)
chickweed* (up to 8 cm)	0.8
hempnettle (2-6 leaf)	0.8
stork's-bill (1-8 leaf)	0.6
wild buckwheat (1-4 leaf)	0.8

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

NOTE: MPower Foxy 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.

APPLICATION DIRECTIONS

Application Timing

Apply to actively growing wheat and barley from the 2-leaf crop growth stage up to and including initiation of stem elongation. Apply when weeds are actively growing. Best results are obtained from applications made to seedling weeds. Only weeds emerged at the time of treatment will be controlled. Extreme growing conditions such as drought or near freezing temperature prior to, at and following time of application may reduce weed control and increase the risk of crop injury at all stages of growth. Foliage that is wet at the time of application may decrease control. MPower Foxy Herbicide applications are rainfast within 1 hour after application. Under conditions of low crop and high weed density, control may be reduced.

Pre-Harvest/Grazing Intervals (MPower Foxy Herbicide applied alone)

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

TANK-MIX COMBINATIONS – MPower Foxy 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 MPower Foxy Herbicide. Refer to the above table for rates and broadleaved weeds controlled or suppressed with MPower Foxy 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 or 1.12 L/ha of MCPA LV500 or 0.93 L/ha of MCPA Ester 600) or 1.5 to 2.0 L/ha Curtail M Herbicide. Refer to the 2,4-D Ester or MCPA 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 Achieve Liquid. If more than one container of Achieve Liquid is to be used, add all Achieve Liquid containers prior to adding MPower Foxy Herbicide.
3. Add MPower Foxy Herbicide next. If more than one container of MPower Foxy Herbicide is to be used, add all MPower Foxy 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.

TANK-MIX COMBINATIONS – MPower Foxy Herbicide + CURTAIL™ M HERBICIDE

For control of a wide spectrum of broadleaved weeds (see following table) in spring wheat, durum wheat and spring barley, apply MPower Foxy Herbicide at 0.8 L/ha tank mixed with Curtail M Herbicide at 2.0 L/ha. Refer to Curtail M Herbicide label for additional precautions and directions for use, particularly crop rotation restrictions.

Mixing Instructions

Add the correct amount of MPower Foxy Herbicide to spray tank 1/2 filled 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.

Weeds Controlled or Suppressed by MPower Foxy Herbicide + Curtail M Herbicide Tank-Mix

Weeds Controlled:		
Canada thistle [†]	lamb’s-quarters	sow-thistle (annual)
canola (volunteer)	redroot pigweed	sow-thistle (perennial) [†]
cleavers (1-4 whorls)	round-leaved mallow (1-6 leaf)	stinkweed
common groundsel	Russian pigweed	stork’s-bill (1-8 leaf)
dandelion ^{††}	scentless chamomile	sunflower (volunteer)
flixweed ^{††}	shepherd’s-purse	tartary buckwheat
hemp-nettle (2-6 leaf stage) ^{†††}	smartweed	volunteer flax (1-12 cm)
kochia ^{†††}		wild buckwheat (1-4 leaf)
		wild mustard
Weeds Suppressed:		
common chickweed [†]		

[†]Season long control, with some regrowth in the fall (top growth control).

^{††}Spring rosettes only.

^{†††}Including biotypes resistant to Group 2 herbicides that inhibit the ALS enzyme.

^{††††}Suppression

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 the 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 (MPower Foxy 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.

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

TANK MIXES WITH MPower Foxy Herbicide + CURTAIL M HERBICIDE FOR ANNUAL GRASS CONTROL

Tank mixtures of MPower Foxy Herbicide + Curtail M Herbicide with other herbicides will provide control additional weeds. See following table for tank mixes with MPower Foxy Herbicide + Curtail M Herbicide. Follow all precautions, minimal interval to harvest and directions for use on the MPower Foxy Herbicide and tank-mix partner labels.

Tank-Mix Combinations with MPower Foxy Herbicide (0.8 L/ha) + Curtail M Herbicide (2.0 L/ha)

Herbicide Tank-Mix Partner	Crops Registered	Rate of Tank-Mix Partner	Adjuvant Rate	Additional Weeds
Achieve*	spring wheat, durum wheat, spring barley	0.5 L/ha	Turbocharge 0.5 L/100 L of spray volume (0.5% v/v)	green foxtail wild oats
Horizon 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 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 120 Super	spring wheat, durum wheat, spring barley	385 mL/ha 770 mL/ha	None required	green foxtail only green foxtail, wild oats & barnyard grass

*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 – MPower Foxy Herbicide + 2,4-D ESTER HERBICIDE

For control of a wide spectrum of broadleaved weeds (see following tables) apply MPower Foxy Herbicide tank mixed with 2,4-D Ester Herbicide. Apply postemergence 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 Application

- Low Rate:** To control the following weeds apply a uniform spray containing 0.45 L/ha MPower Foxy Herbicide and 420 g a.e./ha 2,4-D Ester 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)	mustards (except green, dog & tansy)	wild radish
clovers (sweet)	plantain	wild buckwheat (1-4 leaf)
cocklebur	prickly lettuce	wild mustard
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 0.6 L/ha of MPower Foxy Herbicide and 560 g a.e./ha of 2,4-D Ester 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 mustard
field bindweed*	oak-leaved goosefoot	tartary buckwheat
field peppergrass	redroot pigweed	volunteer flax (1-12 cm)
gumweed	round-leaved mallow (1-6 leaf)	wild buckwheat (1-4 leaf)
Weeds Suppressed:		
common chickweed† (up to 8 cm)	hemp-nettle (2-6 leaf stage)	sow-thistle (perennial)*
Canada thistle*	sow-thistle (annual)	

*Top growth control only.

^Spring rosettes.

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

NOTE: The activity of MPower Foxy 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 MPower Foxy Herbicide to spray tank ½ filled with water and agitate. Add the correct amount of 2,4-D Ester Herbicide and continue to agitate.

Pre-Harvest/Grazing Intervals (MPower Foxy 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.

TANK-MIX COMBINATIONS – MPower Foxy Herbicide + 2,4-D ESTER HERBICIDE + OTHER HERBICIDES

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

Tank-Mix Combinations with MPower Foxy Herbicide (0.6 L/ha) + 2,4-D Ester Herbicide (560 g a.e./ha) or MPower Foxy Herbicide (0.45 L/ha) + 2,4-D Ester Herbicide (420 g a.e./ha)

Herbicide Tank-Mix Partner	Crops Registered	Rate of Tank-Mix Partner	Adjuvant Rate	Additional Weeds
Achieve Liquid ^{†,†††}	spring wheat, durum wheat, spring barley	0.5 L/ha	Turbocharge 0.5 L/100 L of spray volume (0.5% v/v)	green foxtail, wild oats
Horizon Herbicide Tank-Mix	spring wheat, durum wheat	0.23 L/ha	Score: 0.8 L/ha (0.8% v/v)	wild oats ^{††} (1-6 leaf main stem)
		0.29 L/ha	Score: 1.0 L/ha (1.0% v/v)	green foxtail (1-5 leaf main stem) & wild oats ^{††}
Assert 300 SC	spring wheat, durum wheat, spring barley	1.3 L/ha	Refer to Assert 300 SC label	wild oats (1-3 leaf stage)
		1.6 L/ha		wild oats (4 leaf stage)
Puma 120 Super	spring wheat, durum wheat	385 mL/ha	None required	green foxtail only
		770 mL/ha		green foxtail, plus wild oats & barnyardgrass
Everest Solupak 70 DF	spring wheat, durum wheat	43 g/ha	Refer to Everest Solupak 70 DF label	green foxtail wild oats
Liquid Achieve SC Herbicide ^{†,†††}	spring wheat, durum wheat, spring barley	0.5 L/ha	Turbocharge 0.5 L/100 L of spray volume (0.5% v/v)	green foxtail, wild oats

[†]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 Liquid Achieve SC Herbicide or Achieve Liquid Herbicides alone.

^{††}Wild oat control may be reduced when tank mixed with MPower Foxy Herbicide + 2,4-D Ester 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.

TANK-MIX COMBINATIONS – MPower Foxy Herbicide + 2,4-D ESTER HERBICIDE + REFINE EXTRA 75 DF HERBICIDE OR REFINE EXTRA 75 TOSS-N-GO HERBICIDE OR REFINE SG HERBICIDE OR REFINE SG TOSS-N-GO HERBICIDE

**Spring Wheat (excluding durum) and spring barley
In The Prairie Provinces and Peace River Region of British Columbia Only.**

For control of a wide spectrum of broadleaf weeds, including cleavers, MPower Foxy Herbicide may be tank mixed with 2,4-D Ester Herbicide and Refine Extra 75 DF Herbicide or Refine Extra 75 Toss-N-Go Herbicide or Refine SG Herbicide or Refine SG Toss-N-Go Herbicide. Apply MPower Foxy Herbicide at 0.3 L/ha tank mixed with Refine Extra 75 DF Herbicide or Refine Extra 75 Toss-N-Go Herbicide at 20 g/ha, or Refine SG Herbicide or Refine SG Toss-N-Go Herbicide at 30 g/ha, 2,4-D Ester Herbicide at 280 g a.e/ha (equal to 0.5 L/ha of 2,4-D Ester LV 600 or 0.42 L/ha of 2,4-D Ester LV 700) and a non-ionic surfactant (Agral 90, Ag-Surf or Citowett Plus) at 2 L per 1000 L of spray solution. A spray volume of 100 L/ha should be utilized. Apply postemergence when weeds are in the seedling up to 4-leaf/whorls stage, and when spring wheat (excluding durum) and spring barley are in the 4-leaf to flag-leaf stage. **Do not apply to crops underseeded to legumes.**

Weeds Controlled or Suppressed

Weeds Controlled:		
annual smartweed (green smartweed, lady's-thumb)	groundsel (common)	shepherd's purse
ball mustard	hemp-nettle	stinkweed
chickweed (1-6 leaf) ¹	Kochia ³	tartary buckwheat
cleavers ²	lamb's-quarters	volunteer rapeseed ⁴
corn spurry	narrow-leaved hawk's beard	volunteer sunflower
cow Cockle	redroot pigweed	wild buckwheat ⁵
flixweed	Russian thistle	wild mustard

¹Spray before crop canopy prevents thorough coverage of weeds. Chickweed emerging after application will not be controlled.

²Excluding Group 2 resistant cleavers.

³Excluding Group 2 resistant kochia.

⁴The tank-mix will not control imazethapyr tolerant canola varieties (e.g. Clearfield varieties or other varieties with the Pursuit Smart trait).

⁵Apply to actively growing wild buckwheat from the cotyledon to 3-leaf stage. Control may be reduced under environmental stress. Large plants may regrow after treatment.

Weeds Suppressed:	
Canada thistle ⁶	sow thistle ⁶
round-leaved mallow (2-6 leaf) ⁷	stork's-bill (2-6 leaf)
scentless chamomile	toadflax (to 15 cm) ⁸

⁶Apply when most of the thistles have emerged and are actively growing. Apply before bud stage, and before crop canopy prevents thorough coverage of thistles, when thistles are no larger than 15 cm in height for best top growth control. A single application will effectively inhibit the ability of emerged thistles to compete with the crop. Later emerging thistles will not be controlled.

⁷Apply to actively growing round-leaved mallow. Will keep mallow stunted, but may not be able to reduce overall populations.

⁸A control program for this weed includes chemical application and frequent tillage.

Mixing Instructions

Fill the tank to 1/3 full of clean water. With agitator running, add required amount of Refine Extra 75 DF Herbicide, Refine Extra 75 Toss-N-Go Herbicide, Refine SG Herbicide or Refine SG Toss-N-Go Herbicide and continue to agitate for a minimum of 5 minutes to ensure the Refine Extra 75 DF Herbicide, Refine Extra 75 DF Toss-N-Go Herbicide, Refine SG Herbicide or Refine SG Toss-N-Go Herbicide is completely dissolved. After it is fully dissolved, add the MPower Foxy Herbicide with continuous agitation. Add the 2,4-D Ester Herbicide and the rest of the water. Then add adjuvant. Use a spray volume of 100 L/ha. Consult the 2,4-D label for additional application instructions and use precautions.

Pre-Harvest/Grazing Intervals

- Allow 7 days between application and grazing of lactating dairy animals.
- Do not harvest forage or cut hay within 30 days after application.
- Remove meat animals from treated fields at least 3 days prior to slaughter.
- Do not harvest the treated mature crop within 60 days after application.

TANK-MIX COMBINATION – MPower Foxy Herbicide + MCPA LV500 HERBICIDE OR MCPA ESTER 600 HERBICIDE

For control of a wide spectrum of broadleaved weeds (see following table) apply MPower Foxy Herbicide at 0.6 L/ha tank mixed with MCPA LV500 Herbicide at 1.12 L/ha or MCPA Ester 600 Herbicide at 0.93 L/ha. 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 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 up to 10%. 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 MPower Foxy 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 MPower Foxy 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 dog & green tansy)	sunflower, annual
flax, volunteer (1-12 cm)	pigweed, redroot (1-4 leaf)	vetch
flixweed	prickly lettuce	wild radish
Weeds Suppressed:		
green smartweed	wild buckwheat (1-4 leaf)	
stork's-bill (1-8 leaf)		

[†]Including biotypes resistant to Group 2 herbicides that inhibit the ALS enzyme.

Pre-Harvest/Grazing Intervals (MPower Foxy 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.

TANK-MIX COMBINATIONS – MPower Foxy Herbicide + MCPA LV500 HERBICIDE OR MCPA ESTER 600 HERBICIDE + OTHER HERBICIDES

Tank mixtures of MPower Foxy 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 MPower Foxy Herbicide + MCPA LV500 Herbicide or MCPA Ester 600 Herbicide and the additional weeds controlled see following table. Follow all precautions, minimal interval to harvest and directions for use (including timing of application) on the MPower Foxy Herbicide and tank-mix partner labels.

Tank-Mix Combinations with MPower Foxy Herbicide (0.6 L/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 L/ha	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	Refer to Assert 300 SC label	wild oats (1-3 leaf)
		1.6 L		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 ae/ha with this tank-mix combination.

TANK-MIX COMBINATIONS – MPower Foxy Herbicide + REFINE EXTRA 75 DF HERBICIDE OR REFINE EXTRA 75 TOSS-N-GO HERBICIDE OR REFINE SG HERBICIDE OR REFINE SG TOSS-N-GO HERBICIDE

For control of a wide spectrum of broadleaved weeds (see following table) MPower Foxy Herbicide can be tank mixed with Refine Extra 75 DF Herbicide or Refine Extra 75 Toss-N-Go Herbicide or Refine SG Herbicide or Refine SG Toss-N-Go Herbicide. Apply post-emergence when weeds are actively growing, with best results on seedling weeds that are less than 10 cm in height. Only weeds emerged at the time of treatment will be controlled. Thorough covering of the target weeds is essential. The tank-mix can be applied to actively growing spring wheat, including durum, and spring barley from the 2-leaf crop growth stage up to and including initiation of stem elongation. The tank-mix of Refine Extra 75 DF Herbicide or Refine Extra 75 Toss-N-Go Herbicide or Refine SG Herbicide or Refine SG Toss-N-Go Herbicide with MPower Foxy Herbicide allows for the control of Group 2 resistant cleavers at 0.4 L/ha and kochia at 0.6 L/ha. **Do not apply to crops underseeded to legumes or grasses.**

Rates of Application

To control the following weeds apply a uniform spray containing 0.4 to 0.8 litres of MPower Foxy Herbicide with 20 g/ha Refine Extra 75 DF Herbicide or Refine Extra 75 Toss-N-Go Herbicide, or 30 g/ha of Refine SG Herbicide or Refine SG Toss-N-Go Herbicide and 2 litres per 1000 L spray solution of non-ionic surfactant (Agral 90, Ag-Surf or Citowett Plus) with a spray volume of 100 L/ha.

Weeds Controlled or Suppressed

Weeds Controlled at 0.4 L/ha of MPower Foxy Herbicide and 20 g/ha Refine Extra 75 DF Herbicide or Refine Extra 75 Toss-N-Go Herbicide, or 30 g/ha of Refine SG Herbicide or Refine SG Toss-N-Go Herbicide:

annual smartweed (green smartweed, lady's thumb)	groundsel (common)	shepherd's purse
ball mustard	hemp-nettle	stinkweed
chickweed (1-6 leaf) ¹	kochia ²	tartary buckwheat
cleavers (1-4 whorls)	lamb's-quarters	volunteer rapeseed ³
corn spurry	narrow-leaved hawk's beard	volunteer sunflower
cow cockle	redroot pigweed	wild buckwheat ⁴
flixweed	Russian thistle	wild mustard

¹Spray before canopy prevents thorough coverage of weeds. Chickweed emerging after application will not be controlled.

²Excluding Group 2 resistant kochia.

³The tank-mix will not control imazethapyr tolerant canola varieties (e.g. Clearfield varieties or other varieties with the Pursuit Smart trait).

⁴Apply to actively growing wild buckwheat at the cotyledon to 3-leaf stage. Control may be reduced under environmental stress. Large plants may regrow after treatment.

Weeds Suppressed at 0.4 L/ha of MPower Foxy Herbicide and 20 g/ha Refine Extra 75 DF Herbicide or Refine Extra 75 Toss-N-Go Herbicide, or 30 g/ha of Refine SG Herbicide or Refine SG Toss-N-Go Herbicide:

Canada thistle ⁵	sow thistle ⁵
round-leaved mallow (2-6 leaf) ⁶	stork's bill (2-6 leaf stage)
scentless chamomile	toadflax (up to 15 cm) ⁷

⁵Apply when most of thistles have emerged and are actively growing. Apply before bud stage and before crop canopy prevents thorough coverage of thistles, when thistles are no larger than 15 cm in height for best top growth control. A single application will effectively inhibit the ability of emerged thistles to compete with the crop. Later emerging thistles will not be controlled.

⁶Apply to actively growing round-leaved mallow. Will keep mallow stunted, but may not be able to reduce overall populations.

⁷A control program for this weed includes chemical application and frequent tillage.

Additional Weeds Controlled at 0.6 L/ha of MPower Foxy Herbicide and 20 g/ha Refine Extra 75 DF Herbicide or Refine Extra 75 Toss-N-Go Herbicide, or 30 g/ha of Refine SG Herbicide or Refine SG Toss-N-Go Herbicide:

kochia (2-8 leaf; including Group 2 resistant biotypes)
volunteer flax (1-12 cm)

Additional Weeds Controlled and Suppressed at 0.8 L/ha MPower Foxy Herbicide and 20 g/ha Refine Extra 75 DF Herbicide or Refine Extra 75 Toss-N-Go Herbicide, or 30 g/ha of Refine SG Herbicide or Refine SG Toss-N-Go Herbicide:

Weeds Controlled:	Weeds Suppressed:
round-leaved mallow (1-6 leaf)	chickweed (up to 8 cm; including Group 2 resistant biotypes)

Mixing Instructions

Fill the tank to 1/3 full of clean water, and with the agitator running, add the required amount of Refine Extra 75 DF Herbicide or Refine Extra 75 Toss-N-Go Herbicide or Refine SG Herbicide or Refine SG Toss-N-Go Herbicide and continue to agitate for a minimum of 5 minutes to ensure that Refine Extra 75 DF Herbicide or Refine Extra 75 Toss-N-Go Herbicide or Refine SG Herbicide or Refine SG Toss-N-Go Herbicide is completely dissolved. Add the required amount of MPower Foxy Herbicide at a reduced agitation. Add the rest of the water and then add adjuvant. Use a spray volume of 100 L/ha.

Pre-Harvest/Grazing Intervals

- Livestock may not be grazed or fed crops within 7 days of application.
- Do not harvest the treated crop within 60 days of application.

NOTE TO USER: READ THE FOLLOWING BEFORE USING THIS PRODUCT FOR THE INDICATED SPECIAL USE APPLICATIONS: The DIRECTIONS FOR USE for this product for the use(s) described below were developed by persons other than AgraCity Crop & Nutrition Ltd. and accepted for registration by Health Canada under the User Requested Minor Use Label Expansion program. AgraCity Crop & Nutrition Ltd. itself makes no representation or warranty with respect to performance (efficacy) and/or crop tolerance (phytotoxicity) claims for this product when used on the crop(s) listed below.

Accordingly, the Buyer and User assume all risks related to performance and crop tolerance arising, and agree to hold AgraCity Crop & Nutrition Ltd. harmless from any claims based on efficacy and/or phytotoxicity in connection with the use(s) described below.

DIRECTIONS FOR USE

SEEDLING AND ESTABLISHED TALL FESCUE GROWN FOR SEED: Make one application per year, as a group application only, for control of labeled weeds. Apply from the 4 leaf stage to flag leaf stage in a minimum of 100 L of water/ha. Do not harvest for forage or do not cut hay for forage.

Application rates (Apply as a tank-mix only): MPower Foxy Herbicide: 0.6 L/ha; 2,4-D Ester Herbicide: 560 g a.e./ha

CONTROL OF LABELED WEEDS IN SEEDLING AND ESTABLISHED FORAGE GRASSES GROWN FOR SEED IN THE PRAIRIE PROVINCES AND PEACE RIVER REGION OF BRITISH COLUMBIA ONLY:

Creeping Red Fescue
Intermediate Wheat Grass
Crested Wheat Grass
Meadow Brome Grass
Smooth Brome Grass
Timothy

Apply one application per year in a spray volume of 100-200 L/ha to control labeled weeds in seedling (4 leaf to flag leaf) or established forage grasses. Application should be made postemergence when weeds are in the 2-4 leaf stage. Apply in a broadcast spray using a hydraulic boom ground sprayer.

Application rates (Apply as a tank-mix only): MPower Foxy Herbicide: 0.6 L/ha; 2,4-D Ester Herbicide: 560 g a.e./ha

- Do not harvest for forage or do not cut hay for forage.
- Do not harvest treated crop within 60 days after application.

Refer to the main MPower Foxy Herbicide and 2,4-D Ester Herbicide labels for additional details and instructions, including preharvest intervals, before using.

READ THE ROTATIONAL CROPPING RESTRICTIONS ON THE FULL LABELS BEFORE USING THIS PRODUCT.

RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, MPower Foxy Herbicide is a Group 4 herbicide. Any weed population may contain or develop plants naturally resistant to MPower Foxy 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 MPower Foxy 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 integrated weed-management recommendations for specific crops and weed biotypes.
- For further information or to report suspected resistance, contact AgraCity Crop & Nutrition Ltd. at 1-877-362-3276.

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.

MPower® is a registered trademark of NewAgCo, Inc.

All other products listed are registered trademarks of their respective companies.

2017-12-04
2017-6855

GROUP	4	HERBICIDE
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(sleeve)

NEWAGCO INC

MPower MCPA Ester 600

Herbicide

CONTAINS MCPA EMULSIFIABLE CONCENTRATE

For use in wheat, barley, rye, oats, flax (do not use on low linolenic acid varieties), pastures, roadside and non-cropland areas.

AGRICULTURAL

READ THE LABEL AND ATTACHED BOOKLET BEFORE USING

ACTIVE INGREDIENT: MCPA, present as 2-ethylhexyl ester ... 600 g a.e./L

REGISTRATION NO. **32912** PEST CONTROL PRODUCTS ACT

WARNING POISON

NewAgco Inc
320-22nd Street East
Saskatoon, SK
S7K0H1
1-844-2MY-FARM

24 Hour Emergency Response Number 1-800-424-9300

PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN. Harmful or fatal if swallowed. Avoid contact with skin, eyes and clothing. Wash concentrate from skin or eyes IMMEDIATELY. After use, wash hands and other exposed skin. Avoid breathing spray mist.

Do not use in residential areas, which are defined as sites where bystanders may be present during or after spraying, including homes, schools, parks, playgrounds, playing fields and public buildings.

If this pest control product is to be used on a commodity that may be exported to the U.S. and you require information on acceptable residue levels in the U.S., contact NewAgco Inc.,.

PROTECTIVE CLOTHING AND EQUIPMENT

Handling the concentrate (mixing and loading): Wear a long-sleeved shirt, long pants, socks, shoes and chemical-resistant gloves. Rinse gloves before removal.

Handling the dilute spray solution (during application or repairing or cleaning equipment): Wear a long-sleeved shirt, long pants, socks, shoes and chemical-resistant gloves. Rinse gloves before removal. Applicators using a closed cab are not required to wear chemical resistant gloves.

ENVIRONMENTAL HAZARDS

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

Avoid contamination of ponds, streams, rivers and other water sources.

This product contains a petroleum distillate which is moderately to highly toxic to aquatic organisms. Avoid contamination of aquatic systems during application. Do not contaminate these systems through direct application, disposal of waste or cleaning of equipment.

Surface runoff: To reduce runoff from treated areas into aquatic habitats, consider the characteristics and conditions of the site before the treatment. Site characteristics and conditions may lead to runoff include, but are not limited to, heavy rainfall, moderate to steep slope, bare soil, poorly draining soil (e.g. soils that are compacted, fine-textured, or low in organic matter such as clay).

Avoid applying this product when heavy rain is forecast.

Contamination of aquatic areas as a result of runoff may be reduced by including a strip of untreated vegetation (buffer zone) between the treated area and the edge of the water body.

Leaching: The use of this chemical may result in contamination of groundwater particularly in areas where soils are permeable (e.g. sand, loamy sand and sand loam soils) and/or the depth to the water table is shallow.

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

DO NOT induce vomiting. This product contains petroleum distillates. Vomiting may cause aspiration pneumonia. No specific antidote. Employ supportive care. Treatment should be based on judgment of the physician in response to reactions of the patient. High concentrations of MCPA may cause severe irritation to the eyes. Symptoms of overexposure to MCPA could include slurred speech, twitching, jerking and spasms, drooling, low-blood pressure and unconsciousness. Treat symptomatically.

EMERGENCY TELEPHONE NUMBERS

For spills or transportation accidents, Chemtrec, 1-800-424-9300.

For product and use information, NewAgco Inc, at 1-800-247-8013.

STORAGE CONDITIONS

Store the container tightly closed away from seeds, fertilizer, plants and foodstuffs. May be stored at any temperature. SHAKE WELL BEFORE USING.

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

NOTICE TO USER

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GROUP	4	HERBICIDE
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NEWAGCO INC

MPower MCPA Ester 600

Herbicide

CONTAINS MCPA EMULSIFIABLE CONCENTRATE

For use in wheat, barley, rye, oats, flax (do not use on low linolenic acid varieties), pastures, roadside and non-cropland areas.

AGRICULTURAL

READ THE LABEL AND ATTACHED BOOKLET BEFORE USING

ACTIVE INGREDIENT: MCPA, present as 2-ethylhexyl ester ... 600 g a.e./L

REGISTRATION NO. **32912** PEST CONTROL PRODUCTS ACT

WARNING

POISON

NewAgco Inc, LLC
320-22nd Street East
Saskatoon, SK
S7K0H1
1-844-2MY-FARM

24 Hour Emergency Response Number 1-800-424-9300

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PROTECTIVE CLOTHING AND EQUIPMENT

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Handling the dilute spray solution (during application or repairing or cleaning equipment): Wear a long-sleeved shirt, long pants, socks, shoes and chemical-resistant gloves. Rinse gloves before removal. Applicators using a closed cab are not required to wear chemical resistant gloves.

ENVIRONMENTAL HAZARDS

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

Avoid contamination of ponds, streams, rivers and other water sources.

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Leaching: The use of this chemical may result in contamination of groundwater particularly in areas where soils are permeable (e.g. sand, loamy sand and sand loam soils) and/or the depth to the water table is shallow.

FIRST AID

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TOXICOLOGICAL INFORMATION

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EMERGENCY TELEPHONE NUMBERS

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SHAKE WELL BEFORE USING.

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NOTICE TO USER

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DIRECTIONS FOR USE

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

RESISTANCE-MANAGEMENT RECOMMENDATIONS

For resistance management, MPower MCPA Ester 600 Herbicide is a Group 4 herbicide. Any weed population may contain or develop plants naturally resistant to MPower MCPA Ester 600 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 MPower MCPA Ester 600 Liquid Herbicide or other Group 4 herbicides within a growing season (sequence) or among growing seasons 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. 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 NewAgco Inc, LLC at 1800247-8013.

GENERAL USE PRECAUTIONS

MPower MCPA Ester 600 Herbicide may cause damage to susceptible crop, ornamental, and other plants, even in minute quantities.

- Avoid spray drift to any desirable vegetation. Coarse sprays are less likely to drift.
- Do not spray during periods of high winds.
- Do not permit lactating dairy animals to graze fields within 7 days after application.
- Withdraw meat animals from treated fields at least 3 days before slaughter.
- Do not harvest forage or cut hay within 7 days after application.

MIXING

Shake well before using. To ensure even mixing, half fill the sprayer tank with clean water, add the required amount of MPower MCPA Ester 600 Herbicide and agitate thoroughly. Add the remainder of the water and agitate before spraying. If the spray solution has been left standing, agitate thoroughly before use. Wash sprayer thoroughly after use.

EQUIPMENT AND SPRAY VOLUME

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) coarse classification. Boom height must be 60 cm or less above the crop or ground.

Aerial application: DO NOT apply during periods of dead calm. Avoid application of this product when winds are gusty. DO NOT apply when wind speed is greater than 16 km/h at flying height at the site of application. DO NOT apply with spray droplets smaller than the American Society of Agricultural Engineers (ASAE) coarse classification. To reduce drift caused by turbulent wingtip vortices, the nozzle distributions along the spray boom length MUST NOT exceed 65% of the wingspan or rotorspan.

Buffer Zones

Use of the following spray methods or equipment DO NOT require a buffer zone: handheld 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, rangelands, riparian areas and shrublands), sensitive freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands) and estuarine/marine habitats.

When a tank mixture is used, consult the labels of the tank-mix partners and observe the largest (most restrictive) buffer zone of the products involved in the tank mixture.

Method of Application	Crop		Buffer Zones (metres) Required for the Protection of:				Terrestrial Habitat
			Freshwater Habitat of Depths:		Estuarine/Marine Habitats of Depths:		
			Less than 1 m	Greater than 1 m	Less than 1 m	Greater than 1 m	
Field Sprayer*	Cereals, flax, grasses, legumes, stubble, roadsides, uncropped land and woody growth		1	1	1	1	4
Aerial			Terrestrial Food and Feed Crops				
	Cereals, flax	Fixed	1	0	1	0	60
		Rotary wing	1	0	1	0	50
	Pastures, stubble	Fixed	5	1	1	1	100
		Rotary wing	4	1	1	1	80
	Non-crop Uses						
	Roadsides, uncropped land, woody growth	Fixed	30	1	20	1	200
		Rotary Wing	20	1	10	1	100

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

Apply in 50 to 200 litres of water per hectare by ground equipment unless otherwise indicated. Higher water volumes will reduce the risk of crop injury.

Apply in a minimum of 30 litres of water per hectare by aerial equipment.

Use spray nozzles and pressures that deliver a medium to coarse quality spray.

Avoid generating fine, driftable droplets.

For knapsack, spot treatment applications, mix 165 mL of product in 10 L water. Spray to wet all foliage thoroughly.

Generic Aerial Application Label Instructions

Apply only by fixed-wing or rotary aircraft equipment which has been functionally and operationally calibrated for the atmospheric conditions of the area and the application rates and conditions of this label.

Label rates, conditions and precautions are product specific. Read and understand the entire label before opening this product. Apply only at the rate recommended for aerial application on this label. Where no rate for aerial application appears for the specific use, this product cannot be applied by any type of aerial equipment.

Ensure uniform application. To avoid streaked, uneven or overlapped application, use appropriate marking devices. No human flaggers are permitted.

Use Precautions

Apply only when meteorological conditions at the treatment site allow for complete and even crop coverage. Apply only under conditions of good practice specific to aerial application as outlined in the National Aerial Pesticide Application Manual, developed by the Federal/Provincial/Territorial Committee on Pest Management and Pesticides.

Do not apply to any body of water. Avoid drifting of spray onto any body of water or other nontarget areas. Specified buffer zones should be observed.

Coarse sprays are less likely to drift, therefore, avoid combinations of pressure and nozzle type that will result in fine particles (mist). Do not apply during periods of dead calm or when wind velocity and direction pose a risk of spray drift. Do not spray when the wind is blowing towards a nearby sensitive crop, garden, terrestrial habitat (such as shelter-belt) or aquatic habitat.

Operator Precautions

Do not allow the pilot to mix chemicals to be loaded onto the aircraft. Mixer/loader and applicator must be different individuals. Aircraft must be closed cab. Loading of premixed chemicals with a closed system is permitted. It is desirable that the pilot have communication capabilities at each treatment site at the time of application.

The field crew and the mixer/loaders must wear long-sleeved shirt, long pants and coveralls, chemical resistant gloves and goggles or face shield during mixing/loading, cleanup and repair. Follow the more stringent label precautions in cases where the operator precautions exceed the generic label recommendations on the existing ground boom label.

All personnel on the job site must wash hands and face thoroughly before eating and drinking. Protective clothing, aircraft cockpit and vehicle cabs must be decontaminated regularly.

Product Specific Precautions

Read and understand the entire label before opening this product. If you have questions, call the manufacturer at 1-800-868-5444 or obtain technical advice from the distributor or your provincial agricultural representative.

TANK MIXES

MPower MCPA Ester 600 Herbicide may be recommended in tank mix with other products.

Consult the label of the tank mix partner product, and follow the most stringent set of precautions, restrictions and directions for use.

CROPS, TIMING, RATES AND METHODS OF APPLICATION

Use the dose required to control the weeds present.

To minimize the risk of crop injury, do not exceed the recommended rate listed for the crop.

Higher rates may be required to control certain weed species. Rates above those recommended for a crop may result in significant crop injury, and should only be used when the risk of crop injury will be offset by the benefits of enhanced weed control. Apply in warm weather when the crop and weeds are growing well, and the weeds are at a susceptible stage. Avoid application during drought conditions or during exceptionally hot weather.

CROP:

Spring Cereals (Wheat, Barley, Rye, Oats), not underseeded with legumes

APPLICATION TIME:

From the 3-leaf expanded to the early flag-leaf stage (wheat, barley, rye).

From the 1-leaf expanded to the early flag-leaf stage (oats).

From milk stage to maturity (wheat, barley, rye).

Do not apply more than one treatment per year.

METHOD:

Ground or Aerial application.

RECOMMENDED RATE PER HECTARE:

Up to 1.05 L for wheat, barley and rye.

Up to 900 mL for oats.

CROP:

Winter Cereals (Winter Wheat, Fall Rye)

APPLICATION TIME:

In spring, from full tillering to the shot blade stage.

Do not apply during and after the flag-leaf stage.

Do not apply to seedling winter cereals in the fall. Do not apply more than one treatment per year.

METHOD:

Ground application only.

RECOMMENDED RATE PER HECTARE: Up to 1.05 L.

CROP:

Flax (Do not use on low linolenic acid varieties)

APPLICATION TIME:

When flax is between 5 cm in height to before bud stage.

To minimize crop injury, spray at early growth stages, in the evening, and use higher water volumes.

Do not apply more than one treatment per year.

METHOD:

Ground or Aerial application.

RECOMMENDED RATE PER HECTARE: Up to 700 mL.

Caution: Early crop injury may be observed, but yield should not be affected.

CROP:

Established Grasses and Legumes (Alsike and Red Clover and Alfalfa)

APPLICATION TIME:

For control of susceptible winter annual and perennial weeds, spray in the very early spring, before growth of these crops has commenced. In pure stands of grasses, applications may be made in the fall.

Do not apply more than two treatments per year, with a minimum retreatment interval of 90 days.

METHOD:

Ground application only.

RECOMMENDED RATE PER HECTARE: Up to 1.65 L.

CROP:

Pasture (without legumes) and Uncropped Land

APPLICATION TIME:

Apply at a time of rapid growth, usually May, June and/or September.

Spray thoroughly using 100 to 300 litres of water per hectare.

Use the higher rate for perennial weeds; a second treatment may be required.

Cultivating grain stubble and spraying after regrowth may aid in control.

Do not apply in freshly seeded grasses and pastures until well established.
Under conditions of good growth and adequate soil moisture, sprays can be applied up to 2 weeks before normal frost time.
For stubble land and pastures a maximum of 2 applications is permitted per season followed by a minimum retreatment interval of 21 days for stubble land and 90 days for pastures.

METHOD:

Ground or Aerial application (Aerial application for use ONLY in pastures without legumes, stubble land, roadsides and uncropped land)
For spot treatment of roadside and uncropped land using high-pressure handwands, do not exceed 900 litres of "ready to use" solution (equivalent to 15 L of product.) per day per individual applicator.
For application using handheld equipment, use a maximum concentration of 165 mL of MPower MCPA Ester 600 Herbicide in 10 L of spray solution. For broadcast treatment of roadside and uncropped land, a maximum of 2 applications are permitted per season, with a minimum retreatment interval of 21 days.

RECOMMENDED RATE PER HECTARE: Up to 2.8 L.

CONTROL OF WOODY GROWTH IN NON-GRAZED AREAS:

Apply at time of rapid growth, usually May, June and/or September.
For broadcast treatment apply 1.8 to 2.8 litres of product in 100 to 1000 litres of water per hectare. For spot treatment do not exceed 5.6 L/ha.
Use the lower rate for species that are more susceptible such as chokecherry, western snowberry and willow.
Spray brush species up to 3 metres tall after foliage is well developed. Applications soon after leaves are fully open usually give the best results.
Apply sufficient spray volume to thoroughly wet all plant parts to the ground line. Brush or trees above 3 metres tall should be cut close to the ground and sprayed when the regrowth is over 0.6 m tall.
With good growing conditions and adequate soil moisture, sprays may be applied up to 2 to 3 weeks before normal frost time.
To reduce potential drift hazard, a drift control agent may be added. Follow directions on the drift control agent label for the correct mixing sequence.
Ground or aerial application.
For broadcast treatment of woody growth, a maximum of 2 applications are permitted per season, with a minimum retreatment interval of 21 days.

WEEDS CONTROLLED:

(DO NOT exceed the rates given for each specific crop identified in the CROPS, TIMING, RATES AND METHODS OF APPLICATION section)

SUSCEPTIBLE WEEDS:

Burdock (before the 4-leaf stage), Cocklebur, Plantain, Flixweed* *, Lamb'squarters, Mustards (except Dog and Tansy), Prickly lettuce, Ragweeds, Russian pigweed*, Shepherd's-purse*, Stinkweed, Vetch, Wild radish, Wild (annual) sunflower. * Use the higher rate in the rate range.

RATES TO CONTROL SUSCEPTIBLE WEEDS:

Small seedlings, good growing conditions: 580 mL/ha.

Large weeds, dry or cold weather, heavy infestations: 900 mL/ha. Resistance increases with age.

HARDER-TO-CONTROL WEEDS:

Annual sow-thistle, Biennial wormwood, Blue lettuce*, Bluebur, Canada thistle*, Corn spurry*, Curled dock, Dandelion, Dog mustard, Field bindweed*, Field Horsetail*, Field pepper-grass, Goat's-beard, Gumweed, Hairy galinsoga, Hedge bindweed*, Hemp-nettle (before the 4-leaf stage), Hoary cress*, Kochia, Lady's thumb*, Leafy spurge*, Oakleaved goosefoot, Perennial sow-thistle*, Purslane, Redroot pigweed, Russian knapweed*, Russian-thistle, Smartweed*, Sweet clover (seedling), Tansy mustard, Tartary buckwheat.

* Top growth control.

RATES FOR HARDER-TO-CONTROL WEEDS:

Small seedlings, good growing conditions: 1.05 L/ha.

Large weeds, dry or cold weather, heavy infestations: 1.50 L/ha. Resistance increases with age.