

GROUP

2

HERBICIDE

## MPOWER BATTLEFRONT 50 SC Herbicide

Suspension Concentrate

**FOR SALE FOR USE IN THE PRAIRIE PROVINCES AND PEACE RIVER REGION 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), spring barley, and oats (tank mixes only).

AGRICULTURAL

**GUARANTEE:** florasulam 50 g/L  
Contains 1,2-benzisothiazoline-3-one at 0.02% as a preservative

REGISTRATION NO. **31325**  
PEST CONTROL PRODUCTS ACT

**READ THE LABEL AND BOOKLET BEFORE USING**

**KEEP OUT OF REACH OF CHILDREN**

**MAY CAUSE SLIGHT EYE IRRITATION**



CAUTION

POISON

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

**NewAgco Inc.**  
Orena, St. Lawrence Main Road  
Christ Church  
Barbados, BB15029

**Distributed by:**  
**AgraCity Crop & Nutrition Ltd.**  
# 318-111 Research Drive  
Saskatoon, Saskatchewan  
Canada  
S7N 3R2  
Contact number: 1-877-362-3276

**NET CONTENTS:** 0.8 L - Bulk  
MPOWER BATTLEFRONT is a trademark of NewAgco Inc.

## 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.

If this pest control product is to be used on a commodity that may be exported to the U.S. and you require information on acceptable residue levels in the U.S., visit CropLife Canada's web site at [www.croplife.ca](http://www.croplife.ca).

## FIRST AID

**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.

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

## 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.

### **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), 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.

Fields previously treated with MPOWER BATTLEFRONT 50 SC Herbicide can be seeded the following year to barley, canola, peas, 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**

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. Follow all crop rotation restrictions on tank-mix partner labels.

### **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 UNDERSEEDDED WITH LEGUMES.**

## **MPOWER BATTLEFRONT 50 SC HERBICIDE ALONE**

### **Crops Registered**

Spring wheat (including durum) and spring barley

### **Application Directions**

Apply 100 mL of MPOWER BATTLEFRONT 50 SC Herbicide per hectare in a minimum of 100 L per hectare of water. 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 100mL/ha**

#### Weeds Controlled:

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

♦Including herbicide-tolerant canola varieties except Clearfield canola.

#### Weeds Suppressed:

hempnettle	sowthistle, annual
pigweed, redroot	sowthistle, perennial♦

♦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 COMBINATIONS:**

#### **MPOWER BATTLEFRONT 50 SC HERBICIDE + MPOWER Aurora Clodinafop HERBICIDE**

For control of annual grasses (see table below) tank mix MPOWER BATTLEFRONT 50 SC Herbicide with MPOWER Aurora Clodinafop 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**

<b>Tank-Mix Partner</b>	<b>Crops Registered</b>	<b>Rate/ha</b>	<b>Adjuvant and Rate</b>	<b>Additional Weeds Controlled</b>
<b>MPOWER Aurora Clodinafop Herbicide</b>	spring wheat durum wheat	230 mL	XA Oil Adjuvant 0.8% v/v*	wild oats, green foxtail, yellow foxtail, volunteer (tame) oats, volunteer canary seed, barnyard grass
		290 mL	XA Oil Adjuvant 1.0% v/v*	wild oats, green foxtail, yellow foxtail, volunteer (tame) oats, volunteer canary seed, barnyard grass, plus: Persian dandel

\*Refer to MPOWER Aurora Clodinafop Herbicide label for additional adjuvant options

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 MPOWER Aurora Clodinafop 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 COMBINATIONS:**

**MPOWER BATTLEFRONT 50 SC HERBICIDE + MCPA LV 500 HERBICIDE**

**Crops Registered**

Spring wheat (including durum), 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 LV 500 Herbicide at 0.70 L/ha (350 g ai/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 LV 500 Herbicide

### Weeds Controlled:

buckwheat, wild	kochia♦♦	ragweed, common
burdock♦♦	lamb'squarters	shepherd's purse
canola, volunteer♦	mustard, ball	smartweed
chickweed, common	mustard, wild	stinkweed
cleavers	pigweed, redroot♦♦♦	sunflower, annual♦♦
flixweed (spring rosettes only)	pigweed, Russian♦♦	
hempnettle♦♦♦	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♦♦♦

♦Including herbicide-tolerant canola varieties

♦♦Up to 4 leaf stage

♦♦♦Optimum control can be achieved with the addition of 140 mL (70 g ai/ha) of MCPA LV 500 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 LV 500 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 LV 500 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 LV 500 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 LV 500 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 LV 500 Herbicide + Other Herbicides**

Herbicide Tank-Mix Partner	Crops Registered	Rate (Product/ha)	Adjuvant and Rate	Additional Weeds Controlled
<b>Assert<sup>1</sup> 300 SC Herbicide</b>	Wheat (spring & durum), Spring barley	1.6 L	Refer to Assert 300 SC Herbicide label	wild oat
<b>MPOWER Aurora Clodinafop Herbicide<sup>2</sup></b>	Wheat (spring & durum)	230 mL	XA Oil Adjuvant 0.8% v/v*	wild oats, green foxtail, yellow foxtail, volunteer (tame) oats, volunteer canary seed, barnyard grass
		290 mL	XA Oil Adjuvant 1.0% v/v*	wild oats, green foxtail, yellow foxtail, volunteer (tame) oats, volunteer canary seed, barnyard grass, plus: Persian darnel
<b>Everest<sup>3</sup> Solupak<sup>4</sup> 70DF♦ Herbicide</b>	Wheat (spring & durum)	43 g	Ag-Surf or Agral 90 0.25% v/v	Wild oat and green foxtail

\*Refer to MPOWER Aurora Clodinafop Herbicide label for additional adjuvant options

♦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 MCPA LV 500 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 LV 500 Herbicide.

**Note 3:** When using Everest Solupak 70DF Herbicide add tank mix partners in the following order: Everest Solupak 70DF Herbicide, tank mix partner, adjuvant.

**TANK MIX COMBINATIONS:  
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	pigweed, redroot	thistle, Canada
cleavers	shepherd's purse	
smartweed		
sowthistle, perennial (top growth only) ♦♦		
flixweed (spring rosettes only)		
hempsnettles	sowthistle, annual	

♦Including herbicide-tolerant canola varieties.

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

Weeds Suppressed:

dandelion (overwintered rosettes)  
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 + 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**

<b>Herbicide Tank-Mix Partner</b>	<b>Crops Registered</b>	<b>Rate (Product/ha)</b>	<b>Adjuvant and Rate</b>	<b>Additional Weeds Controlled</b>
<b>Assert<sup>1</sup> 300 SC Herbicide</b>	Wheat (spring & durum), Spring barley	1.6 L	Refer to Assert 300 SC label	wild oat
<b>Everest<sup>3</sup> Solupak<sup>4</sup> 70DF♦ Herbicide</b>	Wheat (spring & durum)	43 g	Ag-Surf or Agral 90 0.25% v/v	Wild oat and green foxtail

♦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 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 Solupak 70DF Herbicide add tank mix partners in the following order: Everest Solupak 70DF Herbicide, tank mix partner, adjuvant. Vigorous agitation is required to dissolve Everest Solupak 70DF Herbicide before adding other tank mix partners.

## **TANK-MIX COMBINATIONS:**

### **MPOWER BATTLEFRONT 50 SC HERBICIDE + 2,4-D LV 600 EC HERBICIDE**

#### **Crops Registered**

Spring wheat (including durum)

#### **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 LV 600 Herbicide 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 LV 600 Herbicide**

##### Weeds Controlled:

bluebur	flixweed	ragweed, common
burdock	kochia♦♦	shepherd's purse
buckwheat, tartary	lady's-thumb	smartweed
buckwheat, wild	lamb's-quarters	sowthistle, annual
canola, volunteer♦	mustard, ball	stinkweed
chickweed, common	mustard, wild	sunflower, annual
cleavers	pigweed, redroot	thistle, Russian
cocklebur	plantain	vetch
dandelion (seedlings and overwintered rosettes)	prickly lettuce	wild radish

♦Including all herbicide-tolerant canola varieties.

♦♦Up to 5 cm in height

##### 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 LV 600 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 LV 600 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:****MPOWER BATTLEFRONT 50 SC HERBICIDE + 2,4-D LV 600 HERBICIDE + OTHER HERBICIDES****Crops Registered**

Spring wheat (including durum)

Tank mixtures of MPOWER BATTLEFRONT 50 SC Herbicide + 2,4-D LV600 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 LV 600 Herbicide + Other Herbicides**

<b>Herbicide Tank-Mix Partner</b>	<b>Rate (Product/ha)</b>	<b>Adjuvant and Rate</b>	<b>Additional Weeds Controlled</b>
<b>Everest<sup>3</sup> Solupak<sup>4</sup> 70DF<sup>◆</sup> Herbicide</b>	43 g	Ag-Surf or Agral 90 0.25% v/v	wild oat and green foxtail

◆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 LV 600 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 Everest Solupak 70DF Herbicide add tank mix partners in the following order: Everest Solupak 70DF Herbicide, tank mix partner, adjuvant. Vigorous agitation is required to dissolve Everest Solupak 70DF Herbicide before adding other tank mix partners.

**TANK MIX COMBINATIONS:  
MPOWER BATTLEFRONT 50 SC HERBICIDE + GLYPHOSATE PRESENT AS  
ISOPROPYLAMINE SALT OR DIMETHYLAMINE SALT**

**Crops Registered**

Spring barley, Oats, Spring wheat (including durum)

**Application Directions**

MPOWER BATTLEFRONT 50 SC Herbicide may be tank mixed with glyphosate present as isopropylamine salt (e.g. Glyfos Soluble Concentrate Herbicide or Cheminova Glyphosate Herbicide) or dimethylamine salt 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 with glyphosate herbicide (present as isopropylamine salt or dimethylamine salt) at 450 g a.e./ha in 100 L water per hectare.

**Application Timing**

Apply in the spring prior to planting barley, oats and wheat, or as an initial summerfallow treatment, or in the fall prior to planting barley, oats and wheat the following spring. For annual weed control in the fall, only the weeds at labelled growth stage will be controlled. Heavy frost prior to application in the fall may decrease control.

**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), Frontline\* Herbicide Tank-Mix (postemergence), or Spectrum\* Herbicide Tank-Mix (postemergence).

**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 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 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. The user assumes the risk to persons or property that arises from any such use of this product.

MPOWER BattleFront is a trademark of NewAgco Inc.  
Curtail are registered trademarks of Dow AgroSciences LLC

- 1 Assert is a trademark of Nufarm Agriculture Inc.
- 2 MPOWER Aurora is a trademark of NewAgco Inc.
- 3 Everest is a trademark of Bayer Corp. used under licence by Bayer Inc.
- 4 Solupak is a registered trademark of Bayer Inc.