WIN A FORD
2019 Limited Edition
DISRUPTOR
DIESEL F-350

ENTER THE DRIVING FARM PROFITABILITY CONTEST

No purchase or payment necessary. For contest details visit: agracity.com/win or call 1-844-269-3276
DEAR VALUED PARTNER,

AgraCity’s market disruptor business model offers the largest selection of generic products directly to growers. Our extensive product line-up includes over 50 crop protection products, with another 10 products expected in 2019! AgraCity is here to create grower choice through generic alternatives to name brand products. Same high quality & performance, but better prices!

In addition to our complete lineup of high-performance crop protection solutions, we are pleased to provide many new resources to our customers, including a new innovative mobile app that enables easy, on-the-go access to online tools, educational materials, & purchase of our 50+ products.

Genesis Grain & Fertilizer has also seen great success in 2018! Refer to page 48 - 49 for the exciting updates! AgraCity has also been busy building new agronomy services and leading-edge digital technology detailed on page 56-57.

To celebrate our successful partnership with many Canadian farmers, AgraCity offered an exciting truck draw in 2018! We would like to introduce you to our 3 very happy winners of 3 new Ford F350 Limited Edition Ford trucks:

Mark Stinson of Bowman, MB;
Gary Becker of Sonningdale, SK;
Julius Dziaduck of Buchanan, SK.

AgraCity’s wholesale direct-to-farm model is saving farmer’s money by eliminating the supplier & retailer as middlemen. It is time to flatten the supply chain & begin the ‘Amazoning’ of crop protection products. Make AgraCity your next choice! I wish you a successful season in 2019.

Kind regards,
Jason Mann
President, AgraCity

Winning this truck has been a great thing. We’ve always wanted a big truck to pull with and it works! Thanks so much to AgraCity.

- Mark Stinson
HERE’S WHY YOU SHOULD ALWAYS BUY GENERIC

If you’ve ever been tempted to grab the half-priced generic brand rather than the name-brand, you aren’t alone. The cheaper price of generics is tempting, but we’ve all wondered: Are generics really as good?

HERE’S THE TRUTH:
Generic crop protection products are the same high quality, high performance ingredients as the name brands. Generic crop protection products must be “equivalent” to brand name products.

SAME INGREDIENTS
AgraCity has the same active ingredients as the brand-name products.

SAME QUALITY
Efficacy, Safety, Purity, Quality, Performance. AgraCity has the same high quality as the brand-name products.

LOWER PRICE
AgraCity’s prices will save you up to 30% off MSRP.

CUT OUT THE MIDDLEMEN. GO GENERIC FOR YOUR SAVINGS!
The lower prices have a simple explanation. Major companies pay for marketing, advertising and development of new products and pass those costs onto their customers. Generics have no such costs — & they pass those savings on to you.
## CANADA’S LARGEST SELECTION OF GENERIC CROP PROTECTION PRODUCTS

### HERBICIDES

<table>
<thead>
<tr>
<th>PRODUCT</th>
<th>ACTIVE INGREDIENT</th>
<th>SAME ACTIVE AS</th>
<th>CROPS CATEGORY</th>
</tr>
</thead>
<tbody>
<tr>
<td>AGRACY</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Disruptor 360™</td>
<td>Glyphosate 360 g/L</td>
<td>Round-Up®</td>
<td></td>
</tr>
<tr>
<td>Disruptor 540™</td>
<td>Glyphosate 540 g/L</td>
<td>Round-Up®</td>
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<tr>
<td>BattleFront®</td>
<td>Florasulam</td>
<td>Prepass® Flex</td>
<td></td>
</tr>
<tr>
<td>MPower® Extra</td>
<td>Tribenuron</td>
<td>Express®</td>
<td></td>
</tr>
<tr>
<td>MPower® X-Pro</td>
<td>Tribenuron, Methylsulfuron</td>
<td>Express Pro®</td>
<td></td>
</tr>
<tr>
<td>MPower® X-KO</td>
<td>Tribenuron, 2,4-D</td>
<td>Ko-Act™</td>
<td></td>
</tr>
<tr>
<td>MPower® 2, 4 D Ester 700</td>
<td>MCPA Ester 600</td>
<td>2,4-D Ester®</td>
<td></td>
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<tr>
<td>MPower® MCPA Ester 600</td>
<td>MCPA Ester 600</td>
<td>MCPA Ester 600®</td>
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<tr>
<td>Aurora®</td>
<td>Clodinafop</td>
<td>Horizon®</td>
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<tr>
<td>Battlefront® 2,4-D</td>
<td>Florasulam, 2,4-D</td>
<td>Frontline® 2,4-D</td>
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</tr>
<tr>
<td>BattleFront® M</td>
<td>Florasulam, MCPA</td>
<td>Topline™</td>
<td></td>
</tr>
<tr>
<td>BattleFront® CM</td>
<td>Florasulam, Clopyralid, MCPA</td>
<td>Spectrum™</td>
<td></td>
</tr>
<tr>
<td>BattleStar™</td>
<td>Florasulam, Fluroxypyr, MCPA</td>
<td>Stellar™</td>
<td></td>
</tr>
<tr>
<td>Boa™</td>
<td>Bentazon</td>
<td>Basagran®</td>
<td></td>
</tr>
<tr>
<td>Boa™ Pro</td>
<td>Bentazon, Imazamox</td>
<td>Viper™</td>
<td></td>
</tr>
<tr>
<td>Buck M™</td>
<td>Bromoxynil &amp; MCPA</td>
<td>Buctril M®</td>
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<tr>
<td>Clobber™</td>
<td>Clopyralid</td>
<td>Lontrel™ 360</td>
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<td>Clobber G™</td>
<td>Clopyralid, Glyphosate</td>
<td>Eclipse™</td>
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<td>Clobber M™</td>
<td>Clopyralid, MCPA</td>
<td>Curtail™ M</td>
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<tr>
<td>Foxy™</td>
<td>Fluroxypyr</td>
<td>Starane™</td>
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<tr>
<td>Foxy Buck M™</td>
<td>Fluroxypyr, Bromoxynil &amp; MCPA</td>
<td>Enforcer™ M</td>
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<tr>
<td>Foxy™ CM</td>
<td>Fluroxypyr, Clopyralid, MCPA</td>
<td>Prestige™ XC</td>
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<td>Foxy™ M</td>
<td>Fluroxypyr, MCPA</td>
<td>Rush™ M</td>
<td></td>
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<tr>
<td>Foxy™ Pro</td>
<td>Fluroxypyr , 2,4-D Ester 700</td>
<td>OctTain™</td>
<td></td>
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<tr>
<td>Foxy™ Pro R</td>
<td>Fluroxypyr, Thifensulfuron + Tribenuron, 2,4-D Ester</td>
<td>Retain™ SG</td>
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<tr>
<td>Foxy™ R</td>
<td>Fluroxypyr, Thifensulfuron + Tribenuron</td>
<td>Barracade™ II</td>
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<tr>
<td>Hellcat®</td>
<td>Fenoxaprop</td>
<td>Puma®</td>
<td></td>
</tr>
<tr>
<td>Independence™</td>
<td>Clethodim</td>
<td>Centurion®</td>
<td></td>
</tr>
<tr>
<td>Kamikaze®</td>
<td>Imazethapyr</td>
<td>Pursuit®</td>
<td></td>
</tr>
<tr>
<td>MPower® R</td>
<td>Thifensulfuron + Tribenuron</td>
<td>Refine® Extra 75 DG</td>
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<tr>
<td>Ninja™</td>
<td>Imazethapyr &amp; Imazamox</td>
<td>Odyssey®</td>
<td></td>
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<tr>
<td>Samurai™</td>
<td>Imazamox</td>
<td>Solo®</td>
<td></td>
</tr>
<tr>
<td>Vigor™</td>
<td>Glufosinate-ammonium</td>
<td>Liberty®</td>
<td></td>
</tr>
</tbody>
</table>

### DESICCANTS

<table>
<thead>
<tr>
<th>NAME</th>
<th>ACTIVE INGREDIENT</th>
<th>SAME ACTIVE AS</th>
<th>CROPS CATEGORY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clone™</td>
<td>Diquat</td>
<td>Reglone®</td>
<td></td>
</tr>
<tr>
<td>Good Harvest®</td>
<td>Glufosinate-ammonia</td>
<td>Liberty®</td>
<td></td>
</tr>
</tbody>
</table>

### FUNGICIDES

<table>
<thead>
<tr>
<th>NAME</th>
<th>ACTIVE INGREDIENT</th>
<th>SAME ACTIVE AS</th>
<th>CROPS CATEGORY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spade™</td>
<td>Pyraclostrobin</td>
<td>Headline®</td>
<td></td>
</tr>
</tbody>
</table>

### SURFACTANTS & WATER CONDITIONERS

<table>
<thead>
<tr>
<th>NAME</th>
<th>ACTIVE INGREDIENT</th>
<th>SAME ACTIVE AS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Citrisoft H20™</td>
<td>Acid based water conditioning agent</td>
<td>pH Adjustor®</td>
</tr>
<tr>
<td>Tonto™</td>
<td>Phosphate Ester Surfactant</td>
<td>Amigo®</td>
</tr>
<tr>
<td>Chem Spray™</td>
<td>Paraffin base petroleum oil with a Surfactant blend</td>
<td>Score®</td>
</tr>
<tr>
<td>UAN 28%</td>
<td>28-0-0</td>
<td>UAN 28%</td>
</tr>
</tbody>
</table>

### FERTILIZERS

<table>
<thead>
<tr>
<th>NAME</th>
<th>ACTIVE INGREDIENT</th>
<th>COMPARE TO</th>
</tr>
</thead>
<tbody>
<tr>
<td>ContaN™</td>
<td>NZone Technology &amp; NBPT</td>
<td>Agroatn Plus®</td>
</tr>
<tr>
<td>Nzone GL™</td>
<td>NZone for Gas (NH3) or Liquid (UAN)</td>
<td>N-Serve®</td>
</tr>
<tr>
<td>Liquid Gold Start®</td>
<td>80% Orthophosphate and 20% Polyphosphate compared to 10-34-0 at 30% Ortho and 70%Poly</td>
<td>Alpine G22®</td>
</tr>
<tr>
<td>MicroPho Pro 1</td>
<td>10-40-9-5 (PKS &amp; Zinc, Iron, Manganese, Copper &amp; Boron)</td>
<td>MAP, MESZ, S15®</td>
</tr>
<tr>
<td>MicroPhos Pro 1 Zinc</td>
<td>10-40-9-5:1%Zn (PKS &amp; 1% Zn, Iron, Manganese, Copper &amp; Boron)</td>
<td>MAP, MESZ, S15®</td>
</tr>
<tr>
<td>HumaPaK®</td>
<td>8-0-0-0.1 Cu</td>
<td>N/A</td>
</tr>
<tr>
<td>CalPaK®</td>
<td>15-0-0-3 Ca</td>
<td>N/A</td>
</tr>
<tr>
<td>NutriPaK™</td>
<td>8-10-2</td>
<td>N/A</td>
</tr>
<tr>
<td>ValupaK™</td>
<td>7-12-1 with the “Pak” component &amp; PGRs</td>
<td>N/A</td>
</tr>
<tr>
<td>BorPaK™</td>
<td>Complex 7.5% boron package designed as a foliar spray</td>
<td>N/A</td>
</tr>
<tr>
<td>SulPaK™</td>
<td>8-0-0 foliar fertilizer with 17% sulfur</td>
<td>N/A</td>
</tr>
<tr>
<td>Charge®</td>
<td>8-32-5-0-0.05Zn</td>
<td>N/A</td>
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### INOCULANTS

<table>
<thead>
<tr>
<th>NAME</th>
<th>ACTIVE INGREDIENT</th>
<th>COMPARE TO</th>
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</thead>
<tbody>
<tr>
<td>Boost-NCT®</td>
<td>Rhizobium Leguminosarum</td>
<td>Cell Tech®</td>
</tr>
<tr>
<td>AgTiv® for SoyBean</td>
<td>Bradyrhizobium Japonicum</td>
<td>N/A</td>
</tr>
<tr>
<td>AgTiv® for Pea/Lentil</td>
<td>Rhizobium Leguminosarum</td>
<td>Cell Tech®</td>
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### PETROLEUM PRODUCTS

<table>
<thead>
<tr>
<th>NAME</th>
<th>ACTIVE INGREDIENT</th>
<th>COMPARE TO</th>
</tr>
</thead>
<tbody>
<tr>
<td>MPower® DEO 0W40 Fully Synthetic CJ-4</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>MPower® 15W40 Diesel CK-4</td>
<td>N/A</td>
<td></td>
</tr>
</tbody>
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CROP CATEGORIES

CEREALS

HORTICULTURE

PULSES & FLAX

CORN & SOYBEANS

CANOLA
HERBICIDES

PRODUCTS

Disruptor 360™
Disruptor 540™
BattleFront®
MPower® Extra
MPower® X Pro
MPower® X-KO
MPower® 2,4-D Ester 700
MPower® MCPA Ester 600
Aurora®
Battlefront® 2,4-D
BattleFront® M
Battlefront® CM
BattleStar™
Boa™
Boa Pro™
Buck M™
Clobber™
Clobber™ G
Clobber™ M
Foxxy™
Foxxy™ Buck M
Foxxy™ CM
Foxxy™ M
Foxxy Pro™
Foxxy Pro R™
Foxxy R™
Hellcat®
Independence™
MPower® R
Kamikaze®
Ninja™
Samurai™
Vigor™
Disruptor 360™ provides reliable control of annual and perennial grass and broadleaf weeds in pre-seed, summerfallow, pre-harvest and post-harvest applications, glyphosate tolerant crops, and non-crop and industrial uses.

**CROPS/USES**
- Pre-seed
- Glyphosate tolerant canola
- Glyphosate tolerant soybeans
- Glyphosate tolerant corn
- Pre-harvest
- Post-harvest
- Chemfallow
- Non-crop and industrial
- See label for complete list of crops and uses.

**APPLICATION TIMING**
- Pre-seed
- Glyphosate tolerant canola: cotyledon to 6 leaf
- Glyphosate tolerant soybeans: first trifoliate to flowering
- Glyphosate tolerant corn: up to 8 leaf
- Pre-harvest
- Post-harvest
- Chemfallow
- Non-crop and industrial
- See label for crop and use specific application timing and rates.

**RAINFAST:**
- Do not apply if rainfall is forecast for application period.

**SUPPORTED TANK MIXES**
- Agral 90®, AgSurf®, Banvel®, Oracle®, Buck™, Kamikaze®, 2,4-D low volatile ester or amine formulations, Princep® Nine-T®, Simadex®, DyCleer 480®, Simazine 80W, Simadex® Flowable, 2,4-D amine.
- NOTE: See label for complete list of crop specific tank mix options.

**RATES & PACKAGING**
- 3 container sizes:
  - 115 L drums, weight approx. 320 lbs
  - 640 L totes, weight approx. 1,800 lbs
  - 1,000 L totes, weight approx. 2,750 lbs
- Truckload volume and pickup incentives may be available

**WATER VOLUME**
- See product label for crop and use specific recommended water volumes

**RE-CROPPING OPTIONS**
- Seed to all major crops the year after application.

**MIXING INSTRUCTIONS**
- Refer to tank mix partner and Disruptor 360 label for specific tank mix guidelines.

We’re Driving Costs Since 2005

AgraCity has saved Canadian farmers hundreds of millions of dollars....
Disruptor 540™ provides reliable control of annual and perennial grass and broadleaf weeds in pre-seed, summerfallow, pre-harvest and post-harvest applications, glyphosate tolerant crops, and non-crop and industrial uses.

**CROPS/USES**
- Pre-seed
- Glyphosate tolerant canola
- Glyphosate tolerant soybeans
- Glyphosate tolerant corn
- Pre-harvest
- Post-harvest
- Chemfallow
- Non-crop and industrial
- See label for complete list of crops and uses.

**APPLICATION TIMING**
- Pre-seed
- Glyphosate tolerant canola: cotyledon to 6 leaf
- Glyphosate tolerant soybeans: first trifoliate to flowering
- Glyphosate tolerant corn: up to 8 leaf
- Pre-harvest
- Post-harvest
- Chemfallow
- Non-crop and industrial
- See label for crop and use specific application timing and rates.

**SUPPORTED TANK MIXES**
- Agral 90®, AgSurf®, Assure® II, Buck M™, Clobber™, Companion™, Banvel®, Oracle®, Buck™, Kamikaze™, 2,4-D low volatile ester or amine formulations, MCPA.
- NOTE: See product label for complete list of crop specific tank mix options.

**RATES & PACKAGING**
- 800 L totes
- Truckload volume and pickup incentives may be available

**WATER VOLUME**
- See product label for crop and use specific recommended water volumes

**RE-CROPPING OPTIONS**
- Seed to all major crops the year after application.

**MIXING INSTRUCTIONS**
- Refer to tank mix partner and Disruptor 540 label for specific tank mix guidelines.

**RAINFAST:**
- Do not apply if rainfall is forecast for application period.

---

**Down and Profits Up!**

...by bringing down the price of glyphosate in Western Canada by at least $2.00 per litre!

AgraCity organized this initiative on the behalf of Canadian farmers by introducing a new glyphosate supply and distribution system. **By introducing significant competition to the glyphosate market, and saving farmers millions of dollars, AgraCity realized its’ first of many, historic, game-changing victories for Canadian farmers!**
BattleFront® provides dependable pre-seed and post-harvest weed control of hard to control broadleaf weeds including wild buckwheat, volunteer canola (all types) and dandelion, when mixed with glyphosate.

**Crops**
- Spring Wheat, Durum, Barley, Winter Wheat and Oats

**Application Timing**
- 2 to 6 leaf stage

**Rainfast**
- 30 minutes

**Supported Tank Mixes**
- Disruptor™360 Glyphosate*, Other glyphosates (IPA or DMA salts only)*

**Rates & Packaging**
- 2 x 6.4 L jugs treats 320 acres

**Water Volume**
- Ground application only: 40 L/acre (10 US gallons/acre.)

**Re-cropping Options**
- Seed to all major crops the year after application.

**Mixing Instructions**
1. Fill spray tank 1/2 full of water, start sprayer agitation, and continue agitation throughout mixing and spraying.
2. Add Battlefront at required rate.
3. Add required amount of glyphosate.
4. Add the required amount of other tank mix partners.
5. Complete filling of sprayer, and apply.
6. If application is stopped prior to completion, re-suspend spray solution by full agitation prior to commencing spraying again.
7. Clean sprayer equipment thoroughly after application.
8. Always follow product directions and precautions outlined on the product label, especially when applying next to sensitive crops (e.g. canola and legumes).

**Weeds Controlled**
Weeds controlled when mixed with Disruptor 360 glyphosate at 0.5 L/acre:
- Annual sow thistle¹
- Canada fleabane²
- Canada thistle¹
- Cleavers
- Common chickweed
- Common ragweed²
- Dandelion³
- Downy brome
- Flixweed
- Giant foxtail
- Green foxtail
- Hemp-nettle
- Kochia⁴
- Lady’s-thumb
- Lamb’s-quarters
- Narrow-leaved hawk’s-beard²
- Perennial sow thistle¹
- Persian darnel
- Redroot pigweed
- Scentless chamomile
- Shepherd’s purse
- Smartweed
- Stinkweed
- Volunteer barley
- Volunteer canola⁵
- Volunteer flax
- Volunteer wheat
- Wild buckwheat (1-5 leaf stage)
- Wild oats
- Wild mustard

¹ Suppression
² Up to 8 cm in height
³ Seedling, overwintered rosettes, and mature plants up to 30 cm diameter
⁴ Group 2 and 9 resistant biotypes will not be controlled
⁵ Including all HT varieties

Always read and follow label guidelines prior to use and follow the most restrictive label precautions.
MPower Extra® delivers powerful control of tough broadleaf weeds including dandelion, narrow-leaved hawk’s beard and volunteer canola (all types) when used with glyphosate in chemfallow and pre-seed ahead of cereal crops.

Crops
- Wheat, Barley

Application Timing
- Prior to seeding in Fall or Spring: leave at least one day (24 hours) between application and seeding. Leave at least 10 days between application and tillage.

Rainfast
- 1 hour

Supported Tank Mixes
- Disruptor 360™, Disruptor 540™, Mpower® 2,4-D Ester.

Rates & Packaging
- 1 x 320 gram bottle treats 80 acres

Water Volume
- Ground Application only: 22.5-45 L/acre (5.5 - 11 US gallons/acre)

Re-Cropping Options
A minimum recrop interval of 2 months should be left between the application of MPower Extra and seeding of the next crop. The following crops can be seeded 2 months after application of MPower® Extra: canola, flax, lentils, and alfalfa.

Mixing Instructions
1. Fill spray tank 1/3 with water and begin agitation and continue through mixing and application.
2. With the agitator running, add the required amount of MPOWER Extra.
3. When MPOWER Extra is in suspension, add the required amount of the appropriate tank mix partners.
4. Add any required adjuvants or surfactants.
5. Complete filling of sprayer, and apply.
6. Use spray preparation within 24 hours or product degradation may occur.
7. Clean sprayer equipment thoroughly after application and prior to application on subsequent crops. NOTE: Do not mix with liquid fertilizers, substances that contain boron or substances that release free chlorine. Mixing with any of these compounds will result in an insoluble substance in the tank.
8. Clean out sprayer equipment thoroughly after application.

Weeds Controlled

<table>
<thead>
<tr>
<th>Pre-Seed Application</th>
<th>Weeds</th>
</tr>
</thead>
<tbody>
<tr>
<td>Treats up to 8 cm</td>
<td>Canada fleabane, Common ragweed, Narrow-leaved hawk’s beard.</td>
</tr>
<tr>
<td>Treats up to 15 cm</td>
<td>Dandelion, Downy brome, Flixweed, Giant foxtail, Green foxtail, Hemp nettle, Kochia, Lady’s thumb, Lamb’s-quarters, Persian darnel, Redroot pigweed, Russian thistle, Stinkweed, Volunteer barley, Volunteer canola (including glyphosate-tolerant varieties), Volunteer flax, Volunteer wheat, Wild mustard, Wild oats.</td>
</tr>
<tr>
<td>Treats up to 3 leaf</td>
<td>Wild buckwheat, Cow cockle.</td>
</tr>
<tr>
<td>Rosette</td>
<td>Canada thistle (suppression)</td>
</tr>
</tbody>
</table>

Always read and follow label guidelines prior to use and follow the most restrictive label precautions.
MPower® X-PRO provides powerful control of tough winter annuals and broadleaf weeds when mixed with glyphosate for chemfallow and pre-seed applications prior to cereal crops.

**CROPS**
- Wheat, Barley

**APPLICATION TIMING**
- Prior to seeding Wheat (Spring & Durum) and Barley - Allow at least one day (24 hours) between application and seeding. Allow 10 days between fallow or post harvest treatment and tillage.

**RAINFAST**
- Do not apply if rainfall is forecast for application period.

**SUPPORTED TANK MIXES**
- MPower® Disruptor 360™*, MPower Disruptor 540™*

**RATES & PACKAGING**
- Co-Packaged in a mini-box containing 1 x 320g bottle of MPower Extra and 1 x 80g bottle of MPower PRO - Each mini-box treats 80 acres @ 5 grams per acre
- A case of MPOWER X-PRO contains 8 co-packaged mini-boxes and treats 640 acres.

**WATER VOLUME**
- Ground application only: 22.5-45 L/acre (5.5 - 11 US gallons/acre)

**RE-CROPPING OPTIONS**
Fields treated with MPower X-Pro may be seeded to wheat, (spring, durum, or winter), or barley a minimum of 24 hours after application. Canola, flax and peas can be seeded 10 months after application. Lentils can be grown 22 months after application.

## WEEDS CONTROLLED

### WEEDS

<table>
<thead>
<tr>
<th>Weeds Up To 8 cm:</th>
<th>WHEAT, BARLEY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Canada fleabane</td>
<td></td>
</tr>
<tr>
<td>Common ragweed</td>
<td></td>
</tr>
<tr>
<td>Narrow-leaved hawk's beard</td>
<td></td>
</tr>
<tr>
<td>Weeds Up To 15 cm:</td>
<td></td>
</tr>
<tr>
<td>Dandelion</td>
<td>●</td>
</tr>
<tr>
<td>Downy brome</td>
<td>●</td>
</tr>
<tr>
<td>Flixweed</td>
<td>●</td>
</tr>
<tr>
<td>Giant foxtail</td>
<td>●</td>
</tr>
<tr>
<td>Green foxtail</td>
<td>●</td>
</tr>
<tr>
<td>Hemp nettle</td>
<td>●</td>
</tr>
<tr>
<td>Kochia</td>
<td></td>
</tr>
<tr>
<td>Lady’s thumb</td>
<td>●</td>
</tr>
<tr>
<td>Lamb’s-quarters</td>
<td>●</td>
</tr>
<tr>
<td>Persian darnel</td>
<td>●</td>
</tr>
</tbody>
</table>

### WEEDS UP TO 15 CM:

<table>
<thead>
<tr>
<th>Weeds Up To 15 cm:</th>
<th>WHEAT, BARLEY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Redroot pigweed</td>
<td>●</td>
</tr>
<tr>
<td>Russian thistle</td>
<td>●</td>
</tr>
<tr>
<td>Stinkweed</td>
<td>●</td>
</tr>
<tr>
<td>Volunteer barley</td>
<td>●</td>
</tr>
<tr>
<td>Volunteer canola (including glyphosate-tolerant varieties)</td>
<td>●</td>
</tr>
<tr>
<td>Volunteer flax</td>
<td>●</td>
</tr>
<tr>
<td>Volunteer wheat</td>
<td>●</td>
</tr>
<tr>
<td>Wild mustard</td>
<td>●</td>
</tr>
<tr>
<td>Wild oats</td>
<td>●</td>
</tr>
</tbody>
</table>

### WEEDS UP TO 3 LEAF:

<table>
<thead>
<tr>
<th>Weeds Up To 3 leaf:</th>
<th>WHEAT, BARLEY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wild buckwheat</td>
<td>●</td>
</tr>
<tr>
<td>Cow cockle</td>
<td>●</td>
</tr>
<tr>
<td>Rosette: Canada thistle (suppression)</td>
<td>●</td>
</tr>
</tbody>
</table>

**Control** / **Suppression**
Crops
- Pre-seed only on: Spring Wheat, Durum Wheat, Barley, Chemfallow

Application Timing
- 4-6 hours

Rainfast
- Do not apply if rainfall is forecast for application period.

Supported Tank Mixes
- Disruptor 360™, Disruptor 540™

Rates & Packaging
- 1 x 320 g MPower Extra, 2 x 8.69 L 2,4-D Ester 700 - Case treats 80 acres
- Bulk Packaging: (4 x 320 g MPower Extra - Bottles) + (1 x 68 L 2,4-D Ester - Drum) treats 320 acres

Water Volume
- Ground application only; 40 L/acre (10 US gallons/acre)

Re-cropping Options
- Seed to all major crops the year after application.

Mixing Instructions
1. Fill spray tank 1/3 full of water, start sprayer agitation, and continue agitation throughout mixing and spraying.
2. Add the required amount of MPower Extra.
3. Once MPower Extra is in suspension, add the required amount of glyphosate.
4. Add the required amount of 2,4-D Ester.
5. Do not add a surfactant unless required.
6. Complete filling of sprayer, and apply.
7. If application is stopped prior to completion, re-suspend spray solution by full agitation prior to commencing spraying again.
8. Clean out sprayer equipment thoroughly after application.

Weeds Controlled

<table>
<thead>
<tr>
<th>WEEDS</th>
<th>SPRING WHEAT, DURUM WHEAT, BARLEY, CHEMFALLOW</th>
</tr>
</thead>
<tbody>
<tr>
<td>Annual sunflower</td>
<td>⬤</td>
</tr>
<tr>
<td>Bull mustard</td>
<td>⬤</td>
</tr>
<tr>
<td>Canada thistle (top growth control)</td>
<td>⬤</td>
</tr>
<tr>
<td>Cow cockle</td>
<td>⬤</td>
</tr>
<tr>
<td>Flixweed*</td>
<td>⬤</td>
</tr>
<tr>
<td>Hare's-ear mustard</td>
<td>⬤</td>
</tr>
<tr>
<td>Indian mustard</td>
<td>⬤</td>
</tr>
<tr>
<td>Kochia (2-10 leaf)</td>
<td>⬤</td>
</tr>
<tr>
<td>Lamb's-quarters</td>
<td>⬤</td>
</tr>
<tr>
<td>Narrow-leaved hawk’s-beard*</td>
<td>⬤</td>
</tr>
<tr>
<td>Wormseed mustard</td>
<td>⬤</td>
</tr>
<tr>
<td>Prickly lettuce</td>
<td>⬤</td>
</tr>
<tr>
<td>Redroot pigweed</td>
<td>⬤</td>
</tr>
<tr>
<td>Russian pigweed</td>
<td>⬤</td>
</tr>
<tr>
<td>Russian thistle</td>
<td>⬤</td>
</tr>
<tr>
<td>Shepherd’s-purse*</td>
<td>⬤</td>
</tr>
<tr>
<td>Stinkweed*</td>
<td>⬤</td>
</tr>
<tr>
<td>Sweet clover</td>
<td>⬤</td>
</tr>
<tr>
<td>Thyme-leaved spurge</td>
<td>⬤</td>
</tr>
<tr>
<td>Tumble mustard</td>
<td>⬤</td>
</tr>
<tr>
<td>Wild buckwheat (suppression)</td>
<td>⬤</td>
</tr>
<tr>
<td>Wild mustard</td>
<td>⬤</td>
</tr>
<tr>
<td>Wild radish</td>
<td>⬤</td>
</tr>
</tbody>
</table>

Control ✤ Suppression
* fall rosettes and spring seedlings.

Always read and follow label guidelines prior to use and follow the most restrictive label precautions.
MPower® 2,4-D Ester provides affordable annual and perennial broadleaf weed control in a wide range of crops.

CROPS
- Spring Wheat, Barley, Fall Rye, Rye, Winter Wheat, Field Corn, Seedling & Established Grasses

APPLICATION TIMING
- Wheat, Barley & Rye - 4 to early flag
- Fall Rye & Winter Wheat - Tillering to early flag leaf
- Corn - Before corn is 6 inches tall or before 6 leaf stage
- Seedling & Established grasses - Up to emergence of flag leaf

RAINFAST
- 2 hours

SUPPORTED TANK MIXES*
- MPower® 2,4-D can be tank mixed with many different products. See the label of the tank mix partner, and follow the most restrictive set of precautions, restrictions, and directions for use.

RATES & PACKAGING
- 2 x 10 L jugs
- 115 L drums
- 500 L totes.
  See label for recommended rates by crop and weed.

WATER VOLUME
- See product label for crop and use specific recommended water volumes

RE-CROPPING OPTIONS
- Seed to all major crops the year after application.

MIXING INSTRUCTIONS
1. When tank mixing MPower 2,4-D Ester with other products, consult the label of the tank mix partner product, and follow the most restrictive set of precautions, restrictions and directions for use.

WEEDS CONTROLLED

<table>
<thead>
<tr>
<th>WEEDS</th>
<th>ALL CROPS LISTED</th>
<th>WEEDS</th>
<th>ALL CROPS LISTED</th>
<th>WEEDS</th>
<th>ALL CROPS LISTED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Annual Sow-Thistle</td>
<td></td>
<td>Thyme-Leaved Spurge</td>
<td></td>
<td>Buttercup*</td>
<td></td>
</tr>
<tr>
<td>Bluebur</td>
<td></td>
<td>Volunteer Canola</td>
<td></td>
<td>Canada Thistle*</td>
<td></td>
</tr>
<tr>
<td>Burdock*</td>
<td></td>
<td>Wild Radish</td>
<td></td>
<td>Chicory*</td>
<td></td>
</tr>
<tr>
<td>Cocklebur</td>
<td></td>
<td>Wild Sunflower</td>
<td></td>
<td>Dandelion*</td>
<td></td>
</tr>
<tr>
<td>Common Ragweed</td>
<td></td>
<td>Curled Dock</td>
<td></td>
<td>Field Bindweed*</td>
<td></td>
</tr>
<tr>
<td>Daisy Fleabane</td>
<td></td>
<td>Dog Mustard</td>
<td></td>
<td>Field Chickweed</td>
<td></td>
</tr>
<tr>
<td>False Flax</td>
<td></td>
<td>Field Pepper-Grass</td>
<td></td>
<td>Field Horsetail</td>
<td></td>
</tr>
<tr>
<td>False Ragweed</td>
<td></td>
<td>Flixweed</td>
<td></td>
<td>Gumweed*</td>
<td></td>
</tr>
<tr>
<td>Flixweed</td>
<td></td>
<td>Groundsel</td>
<td></td>
<td>Hedge Bindweed*</td>
<td></td>
</tr>
<tr>
<td>Goat’s-Beard</td>
<td></td>
<td>Hairy Galinsoga</td>
<td></td>
<td>Hemp-Nettle</td>
<td></td>
</tr>
<tr>
<td>Giant Ragweed</td>
<td></td>
<td>Hawkweed</td>
<td></td>
<td>Hoary Cress*</td>
<td></td>
</tr>
<tr>
<td>Kochia</td>
<td></td>
<td>Hea All</td>
<td></td>
<td>Lady’s-Thumb</td>
<td></td>
</tr>
<tr>
<td>Lamb’s-Quarters</td>
<td></td>
<td>Knotweed</td>
<td></td>
<td>Leafy Spurge*</td>
<td></td>
</tr>
<tr>
<td>Mustards</td>
<td></td>
<td>Oak-Leaved Goosefoot</td>
<td></td>
<td>Mouse-Eared Chickweed</td>
<td></td>
</tr>
<tr>
<td>Narrow-Leaved Hawk’s-Beard</td>
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<td>Pineappleweed</td>
<td></td>
<td>Perennial Sow-Thistle*</td>
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<tr>
<td>Plantain</td>
<td></td>
<td>Prostrate Pigweed</td>
<td></td>
<td>Russian Knapweed*</td>
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</tr>
<tr>
<td>Prickly Lettuce</td>
<td></td>
<td>Purslane</td>
<td></td>
<td>Scentless Mayweed*</td>
<td></td>
</tr>
<tr>
<td>Redroot Pigweed</td>
<td></td>
<td>Sheep Sorrel</td>
<td></td>
<td>Smartweed</td>
<td></td>
</tr>
<tr>
<td>Russian Pigweed</td>
<td></td>
<td>Tansy mustard</td>
<td></td>
<td>Tartary Buckwheat*</td>
<td></td>
</tr>
<tr>
<td>Russian Thistle</td>
<td></td>
<td>Tumble Pigweed</td>
<td></td>
<td>Teasel*</td>
<td></td>
</tr>
<tr>
<td>Shepherd’s-Purse</td>
<td></td>
<td>Velvet Leaf</td>
<td></td>
<td>Volunteer Sunflower*</td>
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</tr>
<tr>
<td>Stinging Nettle</td>
<td></td>
<td>Blue Lettuce</td>
<td></td>
<td>Wild Buckwheat</td>
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<tr>
<td>Stinkweed</td>
<td></td>
<td>Bull Thistle</td>
<td></td>
<td>Yellow Rocket*</td>
<td></td>
</tr>
<tr>
<td>Sweet Clover</td>
<td></td>
<td>Biennial Wormwood*</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Control / Suppression
  * Top growth control only
MPOWER MCPA ESTER 600
MCPA Ester 600 Herbicide

MPower® MCPA Ester provides affordable annual and perennial broadleaf weed control in a wide range of crops.

**CROPS**
- Wheat, Barley, Rye, Oats, Flax, Winter Wheat, Fall Rye

**APPLICATION TIMING**
- Wheat - 3 leaf to flag leaf
- Barley - 3 leaf to flag leaf
- Rye - 3 leaf to flag leaf
- Flax - 5 cm in height to bud stage
- Winter Wheat & Fall Rye - Full tillering to early flag leaf stage

**RAINFAST**
- 2 hours

**SUPPORTED TANK MIXES**
- MPower MCPA Ester can be tank mixed with many different products. See the label of the tank mix partner, and follow the most restrictive set of precautions, restrictions, and directions for use.

**RATES & PACKAGING**
- Case containing 2 x 10 L jugs
- 115 L drum
- 500 L totes
  - MCPA Amine 500 may be available upon request
  - See label for recommended rates by crop and weed.

**WATER VOLUME**
- See product label for crop and use specific recommended water volumes

**RE-CROPPING OPTIONS**
- Seed to all major crops the year after application.

**MIXING INSTRUCTIONS**
1. When tank mixing MPower MCPA Ester Herbicide with other products, consult the label of the tank mix partner product, and follow the most restrictive set of precautions, restrictions, and directions for use.

**WEEDS CONTROLLED**

<table>
<thead>
<tr>
<th>WEEDS</th>
<th>WHEAT, BARLEY &amp; RYE, OATS, FLAX, WINTER WHEAT, FALL RYE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Burdock</td>
<td>• Control</td>
</tr>
<tr>
<td>Cocklebur</td>
<td>•</td>
</tr>
<tr>
<td>Mustards</td>
<td>•</td>
</tr>
<tr>
<td>Ragweed</td>
<td>•</td>
</tr>
<tr>
<td>Flixweed*</td>
<td>•</td>
</tr>
<tr>
<td>Kochia</td>
<td>•</td>
</tr>
<tr>
<td>Lamb's-Quarters</td>
<td>•</td>
</tr>
<tr>
<td>Russian Pigweed*</td>
<td>•</td>
</tr>
<tr>
<td>Shepherd's Purse*</td>
<td>•</td>
</tr>
<tr>
<td>Stinkweed</td>
<td>•</td>
</tr>
<tr>
<td>Volunteer Canola</td>
<td>•</td>
</tr>
<tr>
<td>Canada Thistle*</td>
<td>•</td>
</tr>
<tr>
<td>Corn Spurry*</td>
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</tr>
<tr>
<td>Curled Dock</td>
<td>•</td>
</tr>
<tr>
<td>Sow Thistle (Annual &amp; Perennial)*</td>
<td>•</td>
</tr>
<tr>
<td>Biennial Wormwood</td>
<td>•</td>
</tr>
<tr>
<td>Blue Lettuce*</td>
<td>•</td>
</tr>
<tr>
<td>Bluebur</td>
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</tr>
<tr>
<td>Sweet Clover</td>
<td>•</td>
</tr>
<tr>
<td>Dandelion</td>
<td>•</td>
</tr>
<tr>
<td>Field Bindweed*</td>
<td>•</td>
</tr>
<tr>
<td>Field Horsetail*</td>
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</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>WEEDS</th>
<th>WHEAT, BARLEY &amp; RYE, OATS, FLAX, WINTER WHEAT, FALL RYE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Field Peppergrass*</td>
<td>•</td>
</tr>
<tr>
<td>Goat’s-Beard</td>
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</tr>
<tr>
<td>Gumweed</td>
<td>•</td>
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<tr>
<td>Hairy Galinsoga</td>
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</tr>
<tr>
<td>Hedge Bindweed*</td>
<td>•</td>
</tr>
<tr>
<td>Hemp Nettle</td>
<td>•</td>
</tr>
<tr>
<td>Hoary Cress</td>
<td>•</td>
</tr>
<tr>
<td>Lady's-Thumb</td>
<td>•</td>
</tr>
<tr>
<td>Leafy Spurge*</td>
<td>•</td>
</tr>
<tr>
<td>Purslane</td>
<td>•</td>
</tr>
<tr>
<td>Plantain</td>
<td>•</td>
</tr>
<tr>
<td>Prickly Lettuce</td>
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</tr>
<tr>
<td>Redroot Pigweed</td>
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</tr>
<tr>
<td>Russian Thistle</td>
<td>•</td>
</tr>
<tr>
<td>Russian Knapweed</td>
<td>•</td>
</tr>
<tr>
<td>Oak-Leaved Goosefoot</td>
<td>•</td>
</tr>
<tr>
<td>Smartweed*</td>
<td>•</td>
</tr>
<tr>
<td>Tarrary Buckwheat</td>
<td>•</td>
</tr>
<tr>
<td>Vetch</td>
<td>•</td>
</tr>
<tr>
<td>Wild Radish</td>
<td>•</td>
</tr>
<tr>
<td>Wild Sunflower (Annual)</td>
<td>•</td>
</tr>
</tbody>
</table>

*Top growth control

Always read and follow label guidelines prior to use and follow the most restrictive label precautions.
Aurora® delivers proven grass weed control, a wide window of application, and tank-mixability for one-shot weed control.

**Crops**
- Spring Wheat & Durum Wheat

**Application Timing**
- Prior to the emergence of the 4th tiller.

**Rainfast**
- 30 minutes

**Supported Tank Mixes**

**Rates & Packaging**
- 3.68 L jug of Aurora and 1 x 7.57 L jug of ChemSpray® adjuvant treats 31 - 40 acres.
- Bulk packaging: 1 x 110 L drum of Aurora + (2 x 114 L ChemSpray) treats 940 - 1200 acres.
- 2 x 110 L drum of Aurora + (1 x 456 L ChemSpray) treats 1880 - 2400 acres.

**Water Volume**
- Ground: 20-40 L/acre (5-10 US gallons/acre)
- Aerial: 12 L/acre (3 US gallons/acre)

**Re-Cropping Options**
- Seed to all major crops the year after application.

**Mixing Instructions**
1. Fill sprayer 1/2 full of water, start sprayer tank agitation and continue agitation throughout mixing and spraying.
2. If a broadleaf herbicide, insecticide or fungicide is to be used, add the required rate.
3. Add correct amount of Aurora and agitate for 2-3 minutes.
4. Add correct amount of either Score™, Assist™ or Chem Spray Crop Oil Concentrate and agitate for 1-2 minutes before adding remainder of water.
5. Use the spray suspension as soon as it is prepared, if application is stopped prior to completion, resuspend spray solution prior to commencing spraying.
6. If an oil film starts to build up in the tank, drain tank and then clean with a detergent.

**Weeds Controlled**

<table>
<thead>
<tr>
<th>Weeds</th>
<th>Spring Wheat &amp; Durum Wheat</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wild Oats</td>
<td>●</td>
</tr>
<tr>
<td>Volunteer (Tame) Oats</td>
<td>●</td>
</tr>
<tr>
<td>Green Foxtail</td>
<td>●</td>
</tr>
<tr>
<td>Yellow Foxtail</td>
<td>●</td>
</tr>
<tr>
<td>Barnyard Grass</td>
<td>●</td>
</tr>
<tr>
<td>Persian Darnel</td>
<td>●</td>
</tr>
<tr>
<td>Volunteer Canary Seed</td>
<td>●</td>
</tr>
</tbody>
</table>

● Control

Chem Spray® is a non-ionic blend of surfactants and highly refined paraffinic crop oil designed to optimize the performance of Aurora® Clodinafop Herbicide on spring wheat and Durum wheat.
**BATTLEFRONT 2,4-D**
Florasulam & 2,4-D Ester Herbicide
SAME ACTIVE AS FRONTLINE® 2,4-D

**GROUP 2,4**
BattleFront® 2,4-D delivers dependable control of a wide spectrum of tough winter annual broadleaf weeds plus kochia, Russian thistle, and volunteer canola (all types) in wheat.

**CROPS**
Spring wheat, Winter wheat, Durum wheat

**APPLICATION TIMING**
- 3 leaf fully expanded to 6 leaf

**RAINFAST**
- 2 hours

**SUPPORTED TANK MIXES**†
Everest®, Simplicity™

**CROPS**
Spring wheat, Winter wheat, Durum wheat

**APPLICATION TIMING**
• 3 leaf fully expanded to 6 leaf

**RAINFAST**
• 2 hours

**SUPPORTED TANK MIXES†**
Everest®, Simplicity™

**RATES & PACKAGING**
• Battlefront 2 x 6.4 L, 2,4-D Ester 1 x 115 L Drum, treats 320 acres

**WATER VOLUME**
• Ground application only: 40 L/acre (10 US gallons/acre)

**RE-CROPPING OPTIONS**
Seed to all major crops the year after application.

**MIXING INSTRUCTIONS**
1. Fill spray tank 1/2 full of water, start sprayer agitation, and continue agitation throughout mixing and spraying.
2. Add any required dry formulation products.
3. Add required amount of Battlefront.
4. Add the required amount of grassy weed tank mix partner.
5. Add the required amount of 2,4-D, followed by any required adjuvants or surfactants.
6. Complete filling of sprayer, and apply.
7. If application is stopped prior to completion, re-suspend spray solution by full agitation prior to commencing spraying again.
8. Clean sprayer equipment thoroughly after application.

**WEEDS CONTROLLED**

<table>
<thead>
<tr>
<th>WEEDS</th>
<th>SPRING WHEAT &amp; DURUM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ball Mustard</td>
<td>●</td>
</tr>
<tr>
<td>Bluebur</td>
<td>●</td>
</tr>
<tr>
<td>Burdock</td>
<td>●</td>
</tr>
<tr>
<td>Canada Thistle¹</td>
<td>/</td>
</tr>
<tr>
<td>Cleavers</td>
<td>●</td>
</tr>
<tr>
<td>Common Chickweed</td>
<td>●</td>
</tr>
<tr>
<td>Common Ragweed</td>
<td>●</td>
</tr>
<tr>
<td>Cocklebur</td>
<td>●</td>
</tr>
<tr>
<td>Cow Cockle</td>
<td>●</td>
</tr>
<tr>
<td>Dandelion***</td>
<td>●</td>
</tr>
<tr>
<td>Flixweed</td>
<td>●</td>
</tr>
<tr>
<td>Hemp Nettle</td>
<td>/</td>
</tr>
<tr>
<td>Kochia**</td>
<td>●</td>
</tr>
<tr>
<td>Lady’s-Thumb</td>
<td>●</td>
</tr>
<tr>
<td>Lamb’s-Quarters</td>
<td>●</td>
</tr>
<tr>
<td>Narrow-Leaved Hawks Beard²</td>
<td>●</td>
</tr>
<tr>
<td>Plantain</td>
<td>●</td>
</tr>
<tr>
<td>Prickly Lettuce</td>
<td>●</td>
</tr>
<tr>
<td>Redroot Pigweed</td>
<td>●</td>
</tr>
<tr>
<td>Russian Thistle</td>
<td>●</td>
</tr>
<tr>
<td>Shepherd’s Purse</td>
<td>●</td>
</tr>
<tr>
<td>Smartweed</td>
<td>●</td>
</tr>
<tr>
<td>Sowthistle (Annual)</td>
<td>●</td>
</tr>
<tr>
<td>Sowthistle¹ (Perennial)</td>
<td>/</td>
</tr>
<tr>
<td>Stinkweed</td>
<td>●</td>
</tr>
<tr>
<td>Sunflower (Annual)</td>
<td>●</td>
</tr>
<tr>
<td>T artary Buckwheat</td>
<td>●</td>
</tr>
<tr>
<td>Vetch</td>
<td>●</td>
</tr>
<tr>
<td>Volunteer Canola*</td>
<td>●</td>
</tr>
<tr>
<td>Wild Buckwheat</td>
<td>●</td>
</tr>
<tr>
<td>Wild Mustard</td>
<td>●</td>
</tr>
<tr>
<td>Wild Radish</td>
<td>●</td>
</tr>
</tbody>
</table>

*Control / Suppression

*Including herbicide-tolerant varieties
**Up to 5 cm in height
***Seedlings and overwintered rosettes
² Top growth control only
³ 1-2 leaf stage

Always read and follow label guidelines prior to use and follow the most restrictive label precautions.
BattleFront® M offers superior control of a wide range of tough broadleaf weeds including cleavers, wild buckwheat, and volunteer canola (all types), plus no re-cropping restrictions and tank-mix flexibility.

**CROPS**
- Spring wheat, Durum wheat, Winter wheat, Barley, Oats

**APPLICATION TIMING**
- 2 to 6 leaf stage

**RAINFAST**
- 2 hours

**SUPPORTED TANK MIXES**
- Axial®, Everest®, Simplicity®

**RATES & PACKAGING**
- BattleFront 1 x 1.6 L jug and MCPA 1 x 9.33 L jug treats 40 acres
- Bulk Packaging: BattleFront 2 x 6.4L , MCPA 1 x 75L treats 320 acres

**WATER VOLUME**
- Ground application only: 40 L/acre (10 US gallons/acre)

**RE-CROPPING OPTIONS**
- Seed to all major crops the year after application.

**MIXING INSTRUCTIONS**
1. Fill spray tank 1/2 full of water, start sprayer agitation, and continue agitation throughout mixing and spraying.
2. Add any required dry formulation tank mix partners.
3. Add Battlefront at required rate.
4. Add any required amount of grassy weed tank mix partner.
5. Add the required amount of MCPA.
6. Add any required adjuvants or surfactants.
7. Complete filling of sprayer, and apply.
8. If application is stopped prior to completion, re-suspend spray solution by full agitation prior to commencing spraying again.
9. Clean sprayer equipment thoroughly after application.

**WEEDS CONTROLLED**

<table>
<thead>
<tr>
<th>WEEDS</th>
<th>SPRING WHEAT, DURUM WHEAT, WINTER WHEAT, BARLEY, OATS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ball mustard</td>
<td>✓</td>
</tr>
<tr>
<td>Burdock**</td>
<td>✓</td>
</tr>
<tr>
<td>Canada thistle***</td>
<td>/</td>
</tr>
<tr>
<td>Common chickweed</td>
<td>✓</td>
</tr>
<tr>
<td>Common ragweed</td>
<td>✓</td>
</tr>
<tr>
<td>Cow cockle</td>
<td>/</td>
</tr>
<tr>
<td>Dandelion***</td>
<td>✓</td>
</tr>
<tr>
<td>Flixweed²</td>
<td>✓</td>
</tr>
<tr>
<td>Hemp nettle</td>
<td>✓</td>
</tr>
<tr>
<td>Lamb’s-quarters</td>
<td>✓</td>
</tr>
<tr>
<td>Narrow-leaved hawks beard</td>
<td>/</td>
</tr>
<tr>
<td>Plantain¹</td>
<td>/</td>
</tr>
<tr>
<td>Prickly lettuce</td>
<td>✓</td>
</tr>
<tr>
<td>Redroot pigweed</td>
<td>✓</td>
</tr>
<tr>
<td>Russian pigweed</td>
<td>✓</td>
</tr>
<tr>
<td>Shepherd’s-purse</td>
<td>✓</td>
</tr>
<tr>
<td>Smartweed</td>
<td>✓</td>
</tr>
<tr>
<td>Sorghisthle (annual)</td>
<td>/</td>
</tr>
<tr>
<td>Sorghisthle (perennial)</td>
<td>/</td>
</tr>
<tr>
<td>Stinkweed</td>
<td>✓</td>
</tr>
<tr>
<td>Stork’s-bill***</td>
<td>/</td>
</tr>
<tr>
<td>Sunflower (annual)</td>
<td>✓</td>
</tr>
<tr>
<td>Volunteer canola*</td>
<td>/</td>
</tr>
<tr>
<td>Wild buckwheat</td>
<td>✓</td>
</tr>
<tr>
<td>Wild mustard</td>
<td>✓</td>
</tr>
</tbody>
</table>

* Including herbicide-tolerant canola
** Up to 4 leaf stage
*** Optimum control can be achieved with the addition of 70 g ae/h of MCPA Ester
¹ Top growth only
² Spring rosettes only
³ Seedlings and over-wintered rosettes less than 15 cm

POST EMERGENT

16 Always read and follow label guidelines prior to use and follow the most restrictive label precautions.
**Crops**
- Spring Wheat, Durum Wheat, Barley, Oats

**Application Timing**
- 2 to 6 leaf

**Rainfast**
- 2 hours

**Supported Tank Mixes**
- Everest®, Simplicity™, Axial®

**Rates & Packaging**
- Case of Florasulam 0.8 L jug + Clobber 1.7 L jug + MCPA 5.7 L jug treats 20 acres
- Bulk Packaging: Florasulam 6.4 L jug + Clobber 1 x 13.6 L jug + MCPA 1 x 45.6 L drum treats 160 acres

**WATER VOLUME**
- Ground application only: 40 L/acre (10 US gallons/acre)

**RE-CROPPING OPTIONS**
- Fields previously treated with Battlefront CM can be seeded the following year to wheat (incl. durum), oats, barley, canola, flax, mustard, peas*, rye, sugar beets, summerfallow. Do not underseed legume crops in the year of application.
  * For pea rotation, rainfall from June 1 to August 31 in the year of application must be greater than 140 mm (5.5 inches) and annual rainfall must be greater than 175 mm (6.9 inches). Contact your local Agracity representative for more information before seeding field peas following drought conditions in the previous year.

**Mixing Instructions**
1. Fill spray tank 1/2 full of water, start sprayer agitation, and continue agitation throughout mixing and spraying.
2. Add any required water conditioners.
3. Add Battlefront at required rate.
4. Add the required amount of grassy weed tank mix partner.
5. Add the required amount of other tank mix partners.
6. Add any required adjuvants or surfactants.
7. Complete filling of sprayer, and apply.
8. If application is stopped prior to completion, re-suspend spray solution by full agitation prior to commencing spraying again.
9. Clean sprayer equipment thoroughly after application.

**Weeds Controlled**

<table>
<thead>
<tr>
<th>WEEDS</th>
<th>SPRING WHEAT, DURUM WHEAT, BARLEY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Annual Sowthistle</td>
<td>●</td>
</tr>
<tr>
<td>Canada thistle</td>
<td>●</td>
</tr>
<tr>
<td>Cleavers*</td>
<td>●</td>
</tr>
<tr>
<td>Common chickweed*</td>
<td>●</td>
</tr>
<tr>
<td>Cow cockle</td>
<td>●</td>
</tr>
<tr>
<td>Dandelions**</td>
<td>●</td>
</tr>
<tr>
<td>Flixweed</td>
<td>●</td>
</tr>
<tr>
<td>Hemp-nettle</td>
<td>●</td>
</tr>
<tr>
<td>Lamb’s quarters</td>
<td>●</td>
</tr>
<tr>
<td>Narrow-leaved hawks beard</td>
<td>●</td>
</tr>
<tr>
<td>(seedling to &lt;20 cm)</td>
<td>●</td>
</tr>
<tr>
<td>Redroot pigweed</td>
<td>●</td>
</tr>
<tr>
<td>Shepherd’s purse</td>
<td>●</td>
</tr>
<tr>
<td>Smartweed</td>
<td>●</td>
</tr>
<tr>
<td>Perennial sow thistle***</td>
<td>●</td>
</tr>
<tr>
<td>Stinkweed, Stork’s-bill</td>
<td>●</td>
</tr>
<tr>
<td>Volunteer canola (all herbicide tolerant</td>
<td>●</td>
</tr>
<tr>
<td>varieties)</td>
<td>●</td>
</tr>
<tr>
<td>Wild Buckwheat</td>
<td>●</td>
</tr>
<tr>
<td>Wild mustard</td>
<td>●</td>
</tr>
</tbody>
</table>

* Control  / Suppression

* group 2 resistant species will not be controlled
**Seedlings and over-wintered rosettes < 15 cms in diameter
***top growth control only, control not observed until a minimum of 40 days after treatment

Always read and follow label guidelines prior to use and follow the most restrictive label precautions.

BattleFront® CM provides superior control of dandelion, thistle, hemp-nettle and volunteer canola (all types) plus multiple modes of action and tank-mix flexibility.

Florasulam & Clopyralid & MCPA Herbicide
SAME ACTIVE AS SPECTRUM®
BattleStar™ provides powerful control of Kochia, Cleavers, Hemp-nettle, Chickweed, and Wild Buckwheat, and other hard to control broadleaf weeds, including Group 2 resistant biotypes, plus multiple modes of action.

### Crops
- Spring Wheat, Durum Wheat, Barley

### Application Timing
- 2 to 6 leaf

### Rainfast
- 2 hours

### Supported Tank Mixes
- Axial®, Everest®, Simplicity™

### Rates & Packaging
- Case of Foxxy 1 x 8.89 L, BattleFront 1 x 800 mL, MCPA 1 x 9.33 L treats 40 acres
- Bulk packaging: Foxxy 1 x 72 L, BattleFront 1 x 6.4 L, MCPA 1 x 75 L treats 320 acres

### Water Volume
- Ground application only: 40 L/acre (10 US gallons/acre)

### Re-cropping Options
- Seed to all major crops the year after application.

### Mixing Instructions
1. Fill spray tank 1/2 full of water, start sprayer agitation, and continue agitation throughout mixing and spraying.
2. Add Battlefront at required rate.
3. Add the required amount of grassy weed tank mix partner.
4. Add the required amount of Foxxy and MCPA.
5. Add any required adjuvants or surfactants.
6. Complete filling of sprayer, and apply.
7. If application is stopped prior to completion, re-suspend spray solution by full agitation prior to commencing spraying again.
8. Clean sprayer equipment thoroughly after application.

### Weeds Controlled

<table>
<thead>
<tr>
<th>Weed</th>
<th>Spring Wheat &amp; Durum Wheat, Barley</th>
</tr>
</thead>
<tbody>
<tr>
<td>Burdock</td>
<td>●</td>
</tr>
<tr>
<td>Cleavers*</td>
<td>●</td>
</tr>
<tr>
<td>Chickweed*</td>
<td>●</td>
</tr>
<tr>
<td>Common Ragweed</td>
<td>●</td>
</tr>
<tr>
<td>Cow cockle</td>
<td>●</td>
</tr>
<tr>
<td>Flixweed</td>
<td>●</td>
</tr>
<tr>
<td>Hemp-nettle***</td>
<td>●</td>
</tr>
<tr>
<td>Kochia*</td>
<td>●</td>
</tr>
<tr>
<td>Lamb’s Quarters</td>
<td>●</td>
</tr>
<tr>
<td>Plantain</td>
<td>●</td>
</tr>
<tr>
<td>Prickly lettuce</td>
<td>●</td>
</tr>
<tr>
<td>Redroot pigweed***</td>
<td>●</td>
</tr>
<tr>
<td>Russian pigweed</td>
<td>●</td>
</tr>
<tr>
<td>Shepherd’s purse</td>
<td>●</td>
</tr>
<tr>
<td>Smartweed</td>
<td>●</td>
</tr>
<tr>
<td>Stinkweed</td>
<td>●</td>
</tr>
<tr>
<td>Stork’s-bill**</td>
<td>●</td>
</tr>
<tr>
<td>Vetche</td>
<td>●</td>
</tr>
<tr>
<td>Volunteer canola****</td>
<td>●</td>
</tr>
<tr>
<td>Volunteer flax</td>
<td>●</td>
</tr>
<tr>
<td>Volunteer Sunflower</td>
<td>●</td>
</tr>
<tr>
<td>Wild Buckwheat</td>
<td>●</td>
</tr>
<tr>
<td>Wild Mustard</td>
<td>●</td>
</tr>
<tr>
<td>Wild Radish</td>
<td>●</td>
</tr>
</tbody>
</table>

*Control / Suppression

*Including Group 2 resistant biotypes
**Suppression
***Optimum control can be achieved with the addition of 70 g ae/ha of MCPA Ester
****Including all herbicide-tolerant varieties
Boa™ provides effective control of a wide range of broadleaf weeds including Canada thistle, lamb’s-quarters, stinkweed, shepherd’s purse and volunteer canola in many different crops.

**CROPS**
- Soybean, Dry Bean, Corn, Pea, Faba bean, Flax, Seedling and Forage grasses, Spring Wheat (excluding Durum)

**APPLICATION TIMING**
- Soybeans - All Stages
- Dry Beans - After the first trifoliate leaf
- Corn - All stages
- Peas - 3 node to flowering
- Faba Bean - At least 10 cm tall or after 2-3 leaf stage
- Flax - After 2 inches in height
- Seedling & Forage Grasses- 1-7 leaf of seedling forage grasses
- Spring Wheat (excluding durum) - All stages

**RAINFAST**
- 6-8 hours

**SUPPORTED TANK MIXES**
- Assure® II*, Pinnacle®*, Solo®*, 2,4-D Amine*, MPower®2,4-D Ester*

**RATES & PACKAGING**
- A case contains 2 x 7.25L Boa - treats 16 acres
- Bulk packaging: 72.5 L Drum treats 75 acres.
- When Boa is applied alone, Assist™ or XA Oil Concentrate is required at 0.4 to 0.8 L per acre.

**WATER VOLUME**

**RE-CROPPING OPTIONS**
- Seed to all major crops the year after application.

**MIXING INSTRUCTIONS**
1. Fill spray tank 1/2 full of water, start sprayer agitation, and continue agitation throughout mixing and spraying.
2. If required add correct amount of nitrogen source.
3. If required, add the correct amount of Pinnacle (soybeans only), Reflex (dry common beans only) or 2, 4-D amine (spring wheat only). NOTE: On repeat tank loads, prepare a Pinnacle/water slurry in a separate container with clean water before adding to spray tank.
4. Add correct amount of Boa.
5. Add correct amount of Assist or XA Oil Concentrate.
6. Add remainder of water, agitate and spray.
7. Clean sprayer out thoroughly after application.

**WEEDS CONTROLLED**
- Buttercup
- Cleavers
- Cocklebur
- Common Chickweed
- Common Groundsel*
- Common Ragweed*
- Corn Spurry
- Flower Of An Hour
- Giant Ragweed
- Hairy Galinsoga
- Hairy Nightshade
- Jimson-Weed
- Lady’s-Thumb (Smartweed)
- Lamb’s-Quarters*
- Purslane
- Redroot Pigweed*
- Russian Thistle
- Shepherd’s-Purse
- Stinkweed
- Stork’s-Bill
- Volunteer Canola
- Wild Mustard
- Wild Radish
- Bird Rape*
- Low Cudweed
- Velvetleaf**

* Triazine resistant strains of these weeds are controlled by MPower Boa.
** MPower Boa will defoliate velvetleaf 15 cm or taller, but regrowth may occur.

**UREA AMMONIUM NITRATE LIQUID FERTILIZER**
- Active Ingredient: 28-0-0
- For use with post emergent Boa herbicide.

**SUPPORTED TANK MIXES**
- For use with post emergent Boa herbicide.
**BOA PRO**
Bentazone, Imazamox Herbicide
SAME ACTIVE AS VIPER™

Boa™ Pro delivers broad spectrum weed control of both grass and broadleaf weeds including group 2 resistant wild mustard and volunteer canola plus multiple modes of action.

### RAINFAST
- 6 hours

### SUPPORTED TANK MIXES
- None

### RATES & PACKAGING
- Case: 2 x 7.25 L Boa + 4 x 117.5 gram Samurai solupaks treats 40 acres
- Bulk: 2 x 72.5 L drums Boa + 10 x (4 x 117.5) gram Samurai solupaks treats 400 acres, or: 450 L drum Boa + 31 x (4 x 117.5) gram Samurai solupaks treats 1240 acres.
- Need to purchase 28% UAN surfactant separately at rate of 0.81 L/acre

### WATER VOLUME
- Ground application only: 40 L/acre (10 US gallons/acre).

### RE-CROPPING OPTIONS
- 3 months after application: Winter wheat
- 1 year after application: barley, Canary seed, canola, chickpeas, corn, Durum wheat, peas, flex, lentils, soybeans, Spring wheat, sunflowers, Tame oats.
- 2 years after application: mustard (condiment type only).
- A field bioassay is recommended before growing crops other than those listed above.

### WEEDS CONTROLLED/SUPPRESSED
#### WEEDS CONTROLLED:
**Grass Weeds¹:** (1-4 main leaf stage)
- Barnyard grass
- Green foxtail
- Persian darnel
- Volunteer barley

**Broadleaf Weeds¹:** (cotyledon-4 leaf stage):
- Cow cockle
- Green smartweed
- Lamb’s quarters
- Redroot pigweed
- Russian thistle

#### WEEDS SUPPRESSED:
- Volunteer canaryseed
- Volunteer wheat²
- Volunteer tame oats
- Wild oats, Yellow Foxtail
- Shepherd’s purse
- Stinkweed
- Volunteer canola²
- Volunteer lentils
- Wild mustard²
- Round-leaved mallow
- Sow thistle (annual and perennial)
- Wild buckwheat.

¹ Staging for control varies by weed, see label for details
² Including group 2 resistant biotypes
² Including all HT varieties
² Not including Clearfield wheat

---

Always read and follow label guidelines prior to use and follow the most restrictive label precautions.
Buck® M provides reliable control of a wide range of broadleaf weeds including wild buckwheat and volunteer canola (all types) plus tank-mix flexibility, a wide window of application, and no re-cropping restrictions.

**CROPS**
- Wheat, Durum, Winter Wheat, Barley, Oats, Corn, Fall Rye, Flax, Canary Seed, Seedling Grasses

**APPLICATION TIMING**
- Spring wheat, Barley, Oats - 2 leaf to early flag
- Winter wheat - 2 to 4 leaf in the fall, emergence to early flag leaf in the spring
- Flax - 2 inches (5 cm) to early bud stage. Best tolerance occurs when flax is 2 to 4 inches (5-10 cm) tall
- Corn - 4-6 leaf
- Fall Rye - When growth commences to early flag
- Canary seed - 3-5 leaf
- Seedling grasses - 2-4 leaf

**RAINFAST**
- 1 hour

**SUPPORTED TANK MIXES**

**RATES & PACKAGING**
- Case containing 2 x 10L jugs treats 40 acres.
- 115L drum - treats 230 acres.

**WATER VOLUME**
- Aerial: (wheat, barley oats only); Minimum of 12 L/acre (3 US gallons/acre), use higher rates in heavier crop canopy.

**WEEDS CONTROLLED**

| WHEAT, BARLEY, OATS, CORN, FALL RYE, CANARY SEED, SEEDLING GRASSES |
|-------------|-------------|-------------|
| WEEDS | WHEAT, BARLEY, OATS, CORN, FALL RYE, CANARY SEED, SEEDLING GRASSES |
| Green Smartweed | • |
| Pale Smartweed | • |
| Lady’s-Thumb | • |
| Cow Cockle* | • |
| Redroot Pigweed | • |
| Flixweed | • |
| Bluebur | • |
| Shepard’s-Purse | • |
| Kochia** | • |
| Russian Thistle* | • |
| Scentless Chamomile*** | • |
| Volunteer Sunflower | • |
| Volunteer Rapeseed (Including Canola) | • |
| Night Flowering Catchfly | • |
| Cocklebur | • |
| Velvetleaf**** | • |
| Ball Mustard | • |
| American Nightshade | • |
| Wild Tomato | • |
| Wild Buckwheat | • |
| Tartary Buckwheat | • |
| Common Buckwheat | • |
| Stinkweed | • |
| Wild Mustard | • |
| Wormseed Mustard | • |
| Lamb’s-Quarters | • |
| Common Ragweed | • |
| Common Groundsel | • |
| Canada Thistle***** | • |
| Perennial Sow-Thistle****** | • |

**RE-CROPPING OPTIONS**
Seed to all major crops the year after application.

**MIXING INSTRUCTIONS**
1. Fill spray tank 1/2 full of water, start sprayer agitation, and continue agitation throughout mixing and spraying.
2. If required, add required amount of dry formulation products.
3. If required add correct amount of grassy weed tank mix partner.
4. Add the required amount of Buck and MCPA.
5. Add any required adjuvants or surfactants.
6. Complete filling of sprayer, and apply.
7. If application is stopped prior to completion, re-suspend spray solution by full agitation prior to commencing spraying again.
8. Clean sprayer equipment thoroughly after application.

*Up to the 4 leaf stage
**Spray before plants are 5 cm high
***Spring annuals only
****Spray before plants are 8 cm high
*****Top growth only

Always read and follow label guidelines prior to use and follow the most restrictive label precautions.
Clobber™ provides the best in-crop Canada thistle control for many different crops and uses.

**CROPS**
- Canola, Flax, Wheat, Barley, Oats, Sugar beets, Rutabagas, Summerfallow, Strawberry, Seedling & Established grasses, Highbush blueberry

**APPLICATION TIMING**
- Canola - 2 to 6 leaf
- Flax - 5 to 10 cm in height
- Spring Wheat, Oats, Barley - 3 to flag leaf emergence Seedling grasses - 2 to 4 leaf
- Established grasses - Shot-blade stage or in the fall after harvest or early spring
- Summerfallow - one application per year - Canada thistle plants should be between rosette to early bud stage and acutely growing
- Sugarbeets - cotyledon to 8 leaf stage
- Strawberry - apply as a single treatment immediately after harvest but before mowing
- Rutabagas - refer to label
- Highbush blueberry - refer to label

**RAINFAST**
- 4 hours

**SUPPORTED TANK MIXES**
- Independence™, Aurora™, Hellcat™, Battlefront™, Foxxy™, Ninja™ (Clearfield® canola only), Disruptor 540™, Disruptor 360™, MCPA Ester or Amine, 2,4-D Ester or Amine
- See Clobber label for additional tank mix options

**APPLICATION TIMING**
- Canola - 2 to 6 leaf
- Flax - 5 to 10 cm in height
- Spring Wheat, Oats, Barley - 3 to flag leaf emergence Seedling grasses - 2 to 4 leaf
- Established grasses - Shot-blade stage or in the fall after harvest or early spring
- Summerfallow - one application per year - Canada thistle plants should be between rosette to early bud stage and acutely growing
- Sugarbeets - cotyledon to 8 leaf stage
- Strawberry - apply as a single treatment immediately after harvest but before mowing
- Rutabagas - refer to label
- Highbush blueberry - refer to label

**RATES & PACKAGING**
- Clobber 2 x 8.9 L jug treat 52 - 104 acres
- See label for crop and weed specific application rates

**WATER VOLUME**
- Ground application only: 20 - 40 L/acre (5 - 10 US gallons/acre).

**RE-CROPPING OPTIONS**
- Fields previously treated with Clobber can be seeded the following year to wheat, oats, barley, rye (not underseeded with legumes, clover or alfalfa), forage grasses, flax, canola, mustard or it can be summerfallowed.
- Do not seed to crops other than those listed above in the calendar year following treatment.

**MIXING INSTRUCTIONS**
1. Refer to the Clobber or tank mix partner label for tank mix order recommendations.

**WEEDS CONTROLLED**

<table>
<thead>
<tr>
<th>WEEDS</th>
<th>CANOLA, FLAX, WHEAT, BARLEY, OATS, SUGAR BEETS, RUTABAGA, SUMMER FALLOW, STRAWBERRIES, SEEDLING &amp; ESTABLISHED GRASSES, HIGHBUSH BLUEBERRY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alsike Clover</td>
<td>●</td>
</tr>
<tr>
<td>Canada Thistle*</td>
<td>●</td>
</tr>
<tr>
<td>Common Groundsel</td>
<td>●</td>
</tr>
<tr>
<td>Common Ragweed</td>
<td>/</td>
</tr>
<tr>
<td>Ox-Eye Daisy</td>
<td>/</td>
</tr>
<tr>
<td>Scentless Chamomile</td>
<td>●</td>
</tr>
<tr>
<td>Sheep Sorrel</td>
<td>/</td>
</tr>
<tr>
<td>Vetch</td>
<td>/</td>
</tr>
<tr>
<td>Volunteer Alfalfa</td>
<td>●</td>
</tr>
<tr>
<td>Wild Buckwheat</td>
<td>●</td>
</tr>
<tr>
<td>Sow Thistle (Perennial)*</td>
<td>●</td>
</tr>
</tbody>
</table>

● Control  ✓ Suppression  *Top growth only
Clobber™ G provides the best control of Canada thistle, wild buckwheat, grass and broadleaf weeds in Roundup Ready® canola.

CROPS
- Canola (glyphosate-tolerant only)

APPLICATION TIMING
- Canola (glyphosate-tolerant only) - 2 to 6 leaf

RAINFAST
- 4 hours

SUPPORTED TANK MIXES
- None registered

RATES & PACKAGING
- Clobber 2 x 8.9 L jugs, 1 x 80 L Drum
  Glyphosate 360 treats 160 acres
- Bulk packaging: Clobber (3 x (2 x 8.9)),
  (3 x 80 L Drums Glyphosate 360 or 2 x
  80L Drums Glyphosate 540) treats 475
  acres

WATER VOLUME
- Ground application only: 40 L/acre (10
  US gallons/acre)

RE-CROPPING OPTIONS
- Fields previously treated with Clobber
  G can be seeded the following year to
  wheat (incl. durum), oats, barley, canola,
  flax, mustard, peas*, rye, sugar beets,
  summerfallow. Do not underseed legume
  crops in the year of application.
  * For pea rotation, rainfall from
  June 1 to August 31 in the year of
  application must be greater than 140
  mm (5.5 inches) and annual rainfall
  must be greater than 175 mm (6.9
  inches). Contact your local AgraCity
  representative for more information
  before seeding field peas following
  drought conditions in the previous year.

MIXING INSTRUCTIONS
1. Fill spray tank 1/2 full of water, start sprayer agitation, and continue agitation throughout mixing and spraying.
2. Add the required amount of glyphosate.
3. Add the required amount of Clobber.
4. Add any required adjuvants or surfactants.
5. Complete filling of sprayer, and apply.
6. If application is stopped prior to completion, re-suspend spray solution by full agitation prior to commencing spraying again.
7. Clean out sprayer equipment thoroughly after application.

WEEDS CONTROLLED

<table>
<thead>
<tr>
<th>WEEDS</th>
<th>CANOLA (GLYPHOSATE-TOLERANT VARIETIES ONLY)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alsike Clover</td>
<td>●</td>
</tr>
<tr>
<td>Barnyard Grass</td>
<td>●</td>
</tr>
<tr>
<td>Canada Thistle*</td>
<td>●</td>
</tr>
<tr>
<td>Chickweed</td>
<td>●</td>
</tr>
<tr>
<td>Cleavers</td>
<td>●</td>
</tr>
<tr>
<td>Common Groundsel</td>
<td>●</td>
</tr>
<tr>
<td>Common Ragweed</td>
<td>●</td>
</tr>
<tr>
<td>Corn Spurry</td>
<td>●</td>
</tr>
<tr>
<td>Cow Cockle</td>
<td>●</td>
</tr>
<tr>
<td>Dandelion (&lt;15 Cm Diameter)</td>
<td>●</td>
</tr>
<tr>
<td>Dandelion (&gt;15 Cm Diameter)</td>
<td>●</td>
</tr>
<tr>
<td>Flixweed</td>
<td>●</td>
</tr>
<tr>
<td>Foxtail Barley</td>
<td>●</td>
</tr>
<tr>
<td>Green Foxtail</td>
<td>●</td>
</tr>
<tr>
<td>Hemp Nettle</td>
<td>●</td>
</tr>
<tr>
<td>Kochia</td>
<td>●</td>
</tr>
<tr>
<td>Lady’s-Thumb</td>
<td>●</td>
</tr>
<tr>
<td>Lamb’s-Quarters</td>
<td>●</td>
</tr>
<tr>
<td>Narrow-Leaved Hawks Beard</td>
<td>●</td>
</tr>
<tr>
<td>Night-Flowering Catchfly</td>
<td>●</td>
</tr>
<tr>
<td>Ox-Eye Daisy</td>
<td>●</td>
</tr>
<tr>
<td>Quackgrass</td>
<td>●</td>
</tr>
<tr>
<td>Redroot Pigweed</td>
<td>●</td>
</tr>
<tr>
<td>Russian Thistle</td>
<td>●</td>
</tr>
<tr>
<td>Scentless Chamomile</td>
<td>●</td>
</tr>
<tr>
<td>Sheep Sorrel</td>
<td>●</td>
</tr>
<tr>
<td>Shepherd’s-Purse</td>
<td>●</td>
</tr>
<tr>
<td>Smartweed</td>
<td>●</td>
</tr>
<tr>
<td>Sow Thistle (Perennial)*</td>
<td>●</td>
</tr>
<tr>
<td>Stinkweed</td>
<td>●</td>
</tr>
<tr>
<td>Stork’s-Bill</td>
<td>●</td>
</tr>
<tr>
<td>Vetch</td>
<td>●</td>
</tr>
<tr>
<td>Volunteer Alfalfa</td>
<td>●</td>
</tr>
<tr>
<td>Volunteer Barley</td>
<td>●</td>
</tr>
<tr>
<td>Volunteer Wheat</td>
<td>●</td>
</tr>
<tr>
<td>Wild Buckwheat</td>
<td>●</td>
</tr>
<tr>
<td>Wild Mustard</td>
<td>●</td>
</tr>
<tr>
<td>Wild Oats</td>
<td>●</td>
</tr>
<tr>
<td>Wild Tomatoes</td>
<td>●</td>
</tr>
</tbody>
</table>

*Control / Suppression

*Season-long top growth only

Always read and follow label guidelines prior to use and follow the most restrictive label precautions.
Clobber™ M provides outstanding control of broadleaf weeds and hard-to-kill perennials such as Canada thistle and dandelion, plus it’s your best option for controlling tough weeds in flax.

### Crops
- Spring Wheat, Durum, Barley, Oats, Flax

### Application Timing
- Flax: 5 to 15 cm tall
- Spring wheat (including durum), barley, oats: 3 to flag leaf emergence

### Rainfast
- 6 hours

### Supported Tank Mixes
- Aurora®, Hellcat®, Independence™, Liquid Achieve™, Axial®, Everest®, Battlefront®, Foxy™, Refine® Extra, Simplicity®

### Rates & Packaging
- Case of Clobber 1 x 2.23 L jug + MCPA 1 x 7.5 L jug treats 27 acres.
- Bulk packaging: Clobber 1 x 13.6 L jug + MCPA 1 x 45.3 L drum treats 160 acres.

### Water Volume
- Ground application only: 40-60 L/acre (10-15 US gallons/acre)

### Re-cropping Options
- Fields previously treated with Clobber M can be seeded the following year to Wheat (incl. Durum), Oats, Barley, Canola, Flax, Mustard, Peas*, Rye, Sugar Beets, Summerfallow. Do not underseed legume crops in the year of application.
  
  *For Pea rotation, rainfall from June 1 to August 31 in the year of application must be greater than 140 mm (5.5 inches) and annual rainfall must be greater than 175 mm (6.9 inches). Contact your local AgraCity representative for more information before seeding field Peas following drought conditions in the previous year.

### Mixing Instructions
1. Fill spray tank 1/2 full of water, start sprayer agitation, and continue agitation throughout mixing and spraying.
2. Add any required water conditioners.
3. Add required amount of dry formulation products.
4. Add the required amount of Clobber.
5. Add MCPA.
6. Add any required adjuvants or surfactants.
7. Complete filling of sprayer, and apply.
8. If application is stopped prior to completion, re-suspend spray solution by full agitation prior to commencing spraying again.
9. Clean out sprayer equipment thoroughly after application.

### Weeds Controlled

<table>
<thead>
<tr>
<th>Weeds: Low Rate</th>
<th>Spring Wheat, Durum Wheat, Barley, Flax</th>
</tr>
</thead>
<tbody>
<tr>
<td>Canada thistle (low infestations)***</td>
<td>●</td>
</tr>
<tr>
<td>Burdock</td>
<td>●</td>
</tr>
<tr>
<td>Cocklebur</td>
<td>●</td>
</tr>
<tr>
<td>Field horsetail**</td>
<td>●</td>
</tr>
<tr>
<td>Flixweed*</td>
<td>●</td>
</tr>
<tr>
<td>Lamb's-quarters</td>
<td>●</td>
</tr>
<tr>
<td>Plantain</td>
<td>●</td>
</tr>
<tr>
<td>Prickly lettuce</td>
<td>●</td>
</tr>
<tr>
<td>Ragweed</td>
<td>●</td>
</tr>
<tr>
<td>Shepherd's-purse</td>
<td>●</td>
</tr>
<tr>
<td>Stinkweed (spring rosettes)</td>
<td>●</td>
</tr>
<tr>
<td>Sunflower (annual)</td>
<td>●</td>
</tr>
<tr>
<td>Volunteer sunflower</td>
<td>●</td>
</tr>
<tr>
<td>Vetch</td>
<td>●</td>
</tr>
<tr>
<td>Wild mustard</td>
<td>●</td>
</tr>
<tr>
<td>Wild radish</td>
<td>●</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Weeds: (Including weeds controlled at low rate): High Rate</th>
<th>Spring Wheat, Durum Wheat, Barley, Flax</th>
</tr>
</thead>
<tbody>
<tr>
<td>Canada Thistle¹ (Medium to High Infestations)</td>
<td>●</td>
</tr>
<tr>
<td>Common Groundsel</td>
<td>●</td>
</tr>
<tr>
<td>Dandelion²</td>
<td>●</td>
</tr>
<tr>
<td>Kochia³</td>
<td>●</td>
</tr>
<tr>
<td>Redroot Pigweed</td>
<td>●</td>
</tr>
<tr>
<td>Russian Pigweed</td>
<td>●</td>
</tr>
<tr>
<td>Scentless Chamomile (2-4 Leaf)</td>
<td>●</td>
</tr>
<tr>
<td>Smartweed</td>
<td>●</td>
</tr>
<tr>
<td>Sow-Thistle (Annual)</td>
<td>●</td>
</tr>
<tr>
<td>Sow-Thistle (Perennial)***</td>
<td>●</td>
</tr>
<tr>
<td>Tartary Buckwheat</td>
<td>●</td>
</tr>
<tr>
<td>Volunteer Canola**</td>
<td>●</td>
</tr>
<tr>
<td>Wild Buckwheat</td>
<td>●</td>
</tr>
</tbody>
</table>

* Control / Suppression

*Including biotypes resistant to Group 2 herbicides that inhibit the ALS enzyme
** Including Roundup Ready, Liberty Link, Clearfield herbicide-tolerant varieties
*** Top growth control
¹ Season long control with some regrowth in the fall (top growth control)
² Spring rosettes only
³ Suppression (2-4 leaf)
**HERBICIDES**

**DESICCANTS**

**FUNGICIDES**

**SURFACTANTS AND WATER CONDITIONERS**

**PETROLUEM PRODUCTS**

**INOCULANTS**

**FERTILIZERS**

**Always read and follow label guidelines prior to use and follow the most restrictive label precautions.**

---

**Foxxy™ delivers excellent control of tough annual broadleaf weeds including group 2 resistant cleavers and kochia.**

**CROPS**
- Spring Barley, Spring Wheat, Durum Wheat

**APPLICATION TIMING**
- 2 leaf crop stage up to and including initiation of stem elongation

**RAINFAST**
- 2 hours

**SUPPORTED TANK MIXES**
- Aurora®, Hellcat®, Liquid Achieve™, Everest®, Traxos®, Simplicity™, Clobber M™, MPower® 2,4-D Ester®, MCPA LV 500®, MPower® MCPA Ester®, Refine® SG.

**WEEDS CONTROLLED**

<table>
<thead>
<tr>
<th>WEEDS</th>
<th>SPRING BARLEY, SPRING WHEAT, DURUM WHEAT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cleavers (1-4 Whorls)</td>
<td>✓</td>
</tr>
<tr>
<td>Kochia* (2-8 Leaf)</td>
<td>✓</td>
</tr>
<tr>
<td>Round-Leaved Mallow (1-6 Leaf)</td>
<td>✓</td>
</tr>
<tr>
<td>Volunteer Flax (1-12 cm)</td>
<td>✓</td>
</tr>
<tr>
<td>Chickweed* (Up To 8 cm)</td>
<td>✓</td>
</tr>
<tr>
<td>Hempnettle (2-6 Leaf)</td>
<td>✓</td>
</tr>
<tr>
<td>Stork’s-Bill (1-8 Leaf)</td>
<td>✓</td>
</tr>
<tr>
<td>Wild Buckwheat (1-4 Leaf)</td>
<td>✓</td>
</tr>
</tbody>
</table>

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

**RATES & PACKAGING**
- 2 x 9.6L Jugs treats 80 acres
- Bulk packaging: 96 L Drum treats 400 acres

**WATER VOLUME**
- Ground application only: 40 L/acre (10 US gallons/acre)

**RE-CROPPING OPTIONS**
Seed to all major crops the year after application.

**MIXING INSTRUCTIONS**
1. Fill spray tank 1/2 full of water, start sprayer agitation, and continue agitation throughout mixing and spraying.
2. Add any dry formulation tank mix partner.
3. Add any required amount of grassy weed tank mix partner.
4. Add the required amount of Foxxy, followed by any EC products.
5. Add any required adjuvants or surfactants.
6. Complete filling of sprayer, and apply.
7. If application is stopped prior to completion, re-suspend spray solution by full agitation prior to commencing spraying again.
8. Clean sprayer equipment thoroughly after application.
**FOXXY BUCK M**
Fluroxypyr, Bromoxynil + MCPA Herbicide
SAME ACTIVE AS ENFORCER® M

Foxxy™ Buck M delivers dependable control of tough broadleaf weeds such as kochia (group 2 and 9 resistant biotypes), wild buckwheat, and cleavers (group 2 resistant biotypes), plus multiple modes of action, a wide window of application and tank-mix flexibility.

### CROPS
- Wheat, Durum, Barley

### APPLICATION TIMING
- 2 to flag leaf

### RAINFAST
- 1 hour

### SUPPORTED TANK MIXES
- Aurora®, Hellcat®, Axial®, Liquid Achieve™, Everest®, Simplicity™, Varro®

### RATES & PACKAGING
- Fluroxypyr 1 x 9.6 L, Buck M 2 x 10 L treats 40 acres
- Bulk Packaging: Fluroxypyr 1 x 96 L, Buck M 2 x 100 L Drum treats 400 acres

### WATER VOLUME
- Ground: 20-40 L/acre (5-10 US gallons/acre). Use 10 gal/acre application volume when there is a heavy canopy or when weeds are larger.

### RE-CROPPING OPTIONS
- Seed to all major crops the year after application.

### MIXING INSTRUCTIONS
1. Fill spray tank 1/2 full of water, start sprayer agitation, and continue gentle agitation throughout mixing and spraying.
2. If required add the grassy weed control product.
3. Add Foxxy, then Buck, followed by MCPA.
4. Add any required adjuvants or surfactants, and fill the sprayer.
5. If agitation is stopped for more than 5 minutes, re-suspend spray solution by full agitation prior to commencing spraying again.
6. Clean sprayer out thoroughly after application.

### WEEDS CONTROLLED

<table>
<thead>
<tr>
<th>WEEDS</th>
<th>SPRING WHEAT &amp; SPRING DURUM, BARLEY</th>
</tr>
</thead>
<tbody>
<tr>
<td>American Nightshade</td>
<td>●</td>
</tr>
<tr>
<td>Bluebur</td>
<td>●</td>
</tr>
<tr>
<td>Buckwheat</td>
<td>●</td>
</tr>
<tr>
<td>Canada Thistle</td>
<td>/</td>
</tr>
<tr>
<td>Chickweed</td>
<td>/</td>
</tr>
<tr>
<td>Cleavers</td>
<td>●</td>
</tr>
<tr>
<td>Cocklebur</td>
<td>●</td>
</tr>
<tr>
<td>Common Groundsel</td>
<td>●</td>
</tr>
<tr>
<td>Common Ragweed</td>
<td>●</td>
</tr>
<tr>
<td>Cow Cockle</td>
<td>●</td>
</tr>
<tr>
<td>Flixweed</td>
<td>●</td>
</tr>
<tr>
<td>Hemp-Nettle</td>
<td>/</td>
</tr>
<tr>
<td>Kochia (Up to 5 cm Tall)</td>
<td>●</td>
</tr>
<tr>
<td>Lady's Thumb</td>
<td>●</td>
</tr>
<tr>
<td>Lamb's-Quarters</td>
<td>●</td>
</tr>
<tr>
<td>Mustard (Ball &amp; Wormseed)</td>
<td>●</td>
</tr>
<tr>
<td>Night-Flowering Catchfly</td>
<td>/</td>
</tr>
<tr>
<td>Perennial Sow-Thistle</td>
<td>●</td>
</tr>
<tr>
<td>Redroot Pigweed</td>
<td>●</td>
</tr>
<tr>
<td>Round Leaved Mallow</td>
<td>●</td>
</tr>
<tr>
<td>Russian Thistle</td>
<td>●</td>
</tr>
<tr>
<td>Scentless Chamomile</td>
<td>●</td>
</tr>
<tr>
<td>Shepherd’s-Purse</td>
<td>●</td>
</tr>
<tr>
<td>Smartweed (Pale &amp; Green)</td>
<td>●</td>
</tr>
<tr>
<td>Stinkweed</td>
<td>●</td>
</tr>
<tr>
<td>Velvetleaf</td>
<td>●</td>
</tr>
<tr>
<td>Volunteer Canola</td>
<td>●</td>
</tr>
<tr>
<td>Volunteer Flax</td>
<td>●</td>
</tr>
<tr>
<td>Volunteer Sunflower</td>
<td>●</td>
</tr>
<tr>
<td>Wild Buckwheat</td>
<td>●</td>
</tr>
<tr>
<td>Wild Mustard</td>
<td>●</td>
</tr>
<tr>
<td>Wild Tomato</td>
<td>●</td>
</tr>
</tbody>
</table>

● Control / Suppression or Top Growth Control
Foxxy™ CM provides the best control of the toughest perennial and broadleaf weeds like Canada thistle, cleavers, and kochia, including group 2 resistant biotypes, plus a wide window of application and tank-mix flexibility.

**CROPS**
- Spring Wheat, Durum Wheat, Barley

**APPLICATION TIMING**
- Spring Wheat (including Durum), Barley - 3 leaf to flag leaf emergence

**RAINFAST**
- 4 hours

**SUPPORTED TANK MIXES**
- Aurora®, Hellcat®, Axial®, Liquid Achieve™, Assert®, Everest®, Horizon®, Puma, Simplicity™, Varro®

**RATES & PACKAGING**
- Case of Clobber 1 x 2.23 L jug + Foxxy 6.4 L jug + MCPA 7.5 L jug treats 27 acres.
- Bulk Packaging: Clobber 1 x 34 L drum + Foxxy 1 x 96 L drum + MCPA 1 x 114 L drum treats 400 acres.

**WATER VOLUME**
- Ground application only: 20-40 L/acre (5-10 US gallons/acre).

**RE-CROPPING OPTIONS**
- Fields previously treated with Foxxy CM can be seeded the following year to wheat (incl. durum), oats, barley, canola, flax, mustard, peas*, rye, sugar beets, summerfallow. Do not underseed legume crops in the year of application. * for pea rotation, rainfall from June 1 to August 31 in the year of application must be greater than 140 mm (5.5 inches) and annual rainfall must be greater than 175 mm (6.9 inches). Contact your local Agracity representative for more information before seeding field peas following drought conditions in the previous year.

**MIXING INSTRUCTIONS**
1. Fill spray tank 1/2 full of water, start sprayer agitation, and continue agitation throughout mixing and spraying.
2. Add any dry formulation tank mix partner.
3. Add the required amount of grassy weed tank mix partner.
4. Add the required amount of Clobber M and Foxxy.
5. Add any required adjuvants or surfactants.
6. Complete filling of sprayer, and apply.
7. If application is stopped prior to completion, re-suspend spray solution by full agitation prior to commencing spraying again.
8. Clean sprayer equipment thoroughly after application.

**WEEDS CONTROLLED**

<table>
<thead>
<tr>
<th>WEEDS: LOW RATE</th>
<th>WHEAT (SPRING &amp; DURUM) BARLEY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Burdock</td>
<td></td>
</tr>
<tr>
<td>Canada thistle (low infestations)</td>
<td></td>
</tr>
<tr>
<td>Cleavers* (1-4 whorls)</td>
<td></td>
</tr>
<tr>
<td>Cocklebur</td>
<td></td>
</tr>
<tr>
<td>Field horsetail***</td>
<td></td>
</tr>
<tr>
<td>Flixweed** (2-4 leaf)</td>
<td></td>
</tr>
<tr>
<td>Hemp-nettle†</td>
<td></td>
</tr>
<tr>
<td>Kochia*</td>
<td></td>
</tr>
<tr>
<td>Lamb's-quarters</td>
<td></td>
</tr>
<tr>
<td>Plantain***</td>
<td></td>
</tr>
<tr>
<td>Prickly lettuce</td>
<td></td>
</tr>
<tr>
<td>Ragweed</td>
<td></td>
</tr>
<tr>
<td>Redroot pigweed†</td>
<td></td>
</tr>
<tr>
<td>Shepherd's-purse**</td>
<td></td>
</tr>
<tr>
<td>Stinkweed**</td>
<td></td>
</tr>
<tr>
<td>Stork's-bill† (1-8 leaf)</td>
<td></td>
</tr>
<tr>
<td>Vetch</td>
<td></td>
</tr>
<tr>
<td>Volunteer Canola (all types)</td>
<td></td>
</tr>
<tr>
<td>Volunteer flax (1-12 cm)</td>
<td></td>
</tr>
<tr>
<td>Volunteer sunflower</td>
<td></td>
</tr>
<tr>
<td>Wild mustard</td>
<td></td>
</tr>
<tr>
<td>Wild radish</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>WEEDS CONTROLLED (INCLUDING WEEDS CONTROLLED AT LOW RATE): HIGH RATE</th>
<th>WHEAT (SPRING &amp; DURUM) BARLEY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Canada Thistle¹ (Medium To High Infestations)</td>
<td></td>
</tr>
<tr>
<td>Common Groundsel</td>
<td></td>
</tr>
<tr>
<td>Dandelion²</td>
<td></td>
</tr>
<tr>
<td>Hemp-Nettle (2-6 Leaf Stage)</td>
<td></td>
</tr>
<tr>
<td>Kochia*</td>
<td></td>
</tr>
<tr>
<td>Redroot Pigweed</td>
<td></td>
</tr>
<tr>
<td>Round-Leaved Mallow (1-6 Leaf)</td>
<td></td>
</tr>
<tr>
<td>Russian Pigweed</td>
<td></td>
</tr>
<tr>
<td>Scentless Chamomile (2-4 Leaf)</td>
<td></td>
</tr>
<tr>
<td>Smartweed</td>
<td></td>
</tr>
<tr>
<td>Sow Thistle (Annual)</td>
<td></td>
</tr>
<tr>
<td>Sow Thistle² (Perennial)</td>
<td></td>
</tr>
<tr>
<td>Tartary Buckwheat</td>
<td></td>
</tr>
<tr>
<td>Volunteer Canola**</td>
<td></td>
</tr>
<tr>
<td>Wild Buckwheat</td>
<td></td>
</tr>
</tbody>
</table>

* Including biotypes resistant to Group 2 herbicides that inhibit the ALS enzyme
** Including Roundup Ready, Libert Link, Clearfield herbicide-tolerant varieties
† Including biotypes resistant to Group 2 herbicides that inhibit the ALS enzyme
‡ Season long control with some regrowth in the fall
§ Spring rosettes only
¶ Top Growth Only

Always read and follow label guidelines prior to use and follow the most restrictive label precautions.
Foxxy™ M provides effective control of tough to kill broadleaf weeds, including group 2 resistant cleavers and kochia, plus a wide window of application and tank-mix flexibility.

## Crops
- Spring Wheat, Durum Wheat, Barley

## Application Timing
- 3 leaf to flag leaf

## Rainfast
- 1 hour

## Supported Tank Mixes†
- Aurora®, Hellcat®, Axial®, Everest®, Liquid Achieve™, Traxos®, Simplicity™

## Rates & Packaging
- Bulk Packaging: (2 x (2 x 9.6 L Foxxy) cases) + (3 x (2 x 10 L MCPA Ester 600) cases) treats 160 acres

## Water Volume
- Ground application only; 40 L/acre (10 US gallons/acre)

## Re-cropping Options
Seed to all major crops the year after application.

## Mixing Instructions
1. Fill spray tank 1/2 full of water, start sprayer agitation, and continue agitation throughout mixing and spraying.
2. Add any required water conditioners.
3. Add required amount of dry formulation products.
4. Add the required amount of Foxxy.
5. Add MCPA.
6. Add any required adjuvants or surfactants.
7. Complete filling of sprayer, and apply.
8. If application is stopped prior to completion, re-suspend spray solution by full agitation prior to commencing spraying again.
9. Clean out sprayer equipment thoroughly after application.

### Weeds Controlled

<table>
<thead>
<tr>
<th>WEEDS</th>
<th>SPRING WHEAT, DURUM WHEAT, BARLEY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Burdock</td>
<td>✔</td>
</tr>
<tr>
<td>Cleavers*</td>
<td>✔</td>
</tr>
<tr>
<td>Cocklebur</td>
<td>✔</td>
</tr>
<tr>
<td>Flixweed</td>
<td>✔</td>
</tr>
<tr>
<td>Green smartweed**</td>
<td>✔</td>
</tr>
<tr>
<td>Hemp-nettle (2-6 leaf)</td>
<td>✔</td>
</tr>
<tr>
<td>Kochia*</td>
<td>✔</td>
</tr>
<tr>
<td>Lamb's-quarters</td>
<td>✔</td>
</tr>
<tr>
<td>Mustards (except dog and green tansy)</td>
<td>✔</td>
</tr>
<tr>
<td>Prickly lettuce</td>
<td>✔</td>
</tr>
<tr>
<td>Ragweed</td>
<td>✔</td>
</tr>
<tr>
<td>Redroot pigweed*</td>
<td>✔</td>
</tr>
<tr>
<td>Shepherd’s-purse</td>
<td>✔</td>
</tr>
<tr>
<td>Stinkweed</td>
<td>✔</td>
</tr>
<tr>
<td>Stork’s bill**</td>
<td>✔</td>
</tr>
<tr>
<td>Vetch</td>
<td>✔</td>
</tr>
<tr>
<td>Volunteer flax</td>
<td>✔</td>
</tr>
<tr>
<td>Volunteer canola (all types)</td>
<td>✔</td>
</tr>
<tr>
<td>Volunteer sunflower</td>
<td>✔</td>
</tr>
<tr>
<td>Wild buckwheat**</td>
<td>✔</td>
</tr>
<tr>
<td>Wild radish</td>
<td>✔</td>
</tr>
</tbody>
</table>

Control / Suppression

*Including Group 2 resistant biotypes
**suppression
Foxxy™ Pro provides powerful control of tough annual broadleaf weeds including group 2 and 9 resistant kochia, wild buckwheat, plus a wide window of application and tank-mix flexibility.

**Crops**
- Spring Barley, Spring Wheat, Durum Wheat

**Application Timing**
- Spring Wheat, Durum & Barley - 4 leaf up to flag leaf

**Rainfast**
- 2 hours

**Supported Tank Mixes**
- Aurora®, Hellcat®, Liquid Achieve™, Everest®, Simplicity™.

**Rates & Packaging**
- Fluroxypyr 1 x 9.6 L, 2,4-D Ester 1 x 9.8 L will treat 40 acres
- Bulk Packaging: Fluroxypyr 1 x 96 L drum, 2,4-D Ester 1 x 98 L drum will treat 400 acres
- Or Fluroxypyr 1 x 980 L tote, 2,4-D Ester 1 x 1000 L tote will treat 4080 acres

**Water Volume**
- Do not apply if rainfall is forecast for application period.

**Re-cropping Options**
- Seed to all major crops the year after application.

**Mixing Instructions**
1. Fill spray tank 1/2 full of water, start sprayer agitation, and continue agitation throughout mixing and spraying.
2. Add any dry formulation tank mix partner.
3. Add the required amount of grassy weed tank mix partner.
4. Add the required amount of Foxxy and 2,4-D.
5. Add any required adjuvants or surfactants.
6. Complete filling of sprayer, and apply.
7. If application is stopped prior to completion, re-suspend spray solution by full agitation prior to commencing spraying again.
8. Clean sprayer equipment thoroughly after application.

**Weeds Controlled/Suppressed**

**Weeds Controlled**
- Annual sunflower
- Bluebur
- Burdock
- Cleavers¹
- Cocklebur
- Flixweed
- Field horsetail²
- Goat’s-beard
- Hoary cress
- Hemp-nettle¹ (1-6 leaf)
- Kochia¹
- Lamb's-quarters
- Mustards (except green tansy, dog and grey tansy)
- Plantain
- Prickly lettuce
- Ragweed
- Round-leaved mallow (1-6 leaf)
- Shepherd's purse
- Stork's-bill (1-8 leaf)
- Stinkweed
- Sweet clover
- Vetch
- Volunteer canola (all HT types)

**Weeds Suppressed**
- Common chickweed¹
- Redroot pigweed
- Perennial sow thistle²

¹ Including group 2 resistant biotypes
² Top growth control only

Always read and follow label guidelines prior to use and follow the most restrictive label precautions.
**FOXY PRO R**
Fluroxypyr, Thifensulfuron + Tribenuron, 2,4-D Ester Herbicide
SAME ACTIVE AS RETAIN™ SG

Foxxy™ Pro R delivers dependable control of annual broadleaf weeds including kochia, hemp-nettle, Russian thistle, narrow-leaved hawk’s-beard and 17 other annual broadleaf weeds.

**CROPS**
- Spring, Wheat, Barley

**APPLICATION TIMING**
- 4 leaf to flag leaf

**RAINFAST**
- 4 hours

**SUPPORTED TANK MIXES†**
- Aurora®, Hellcat™, Everest®, Simplicity™, Varro®.

**RATES & PACKAGING**
- Case: 1 x 4.8 L jug Foxxy + 1 x 320 gram bottle MPower R + 1 x 6.8 L jug 2,4-D Ester treats 40 acres.
- Bulk: 1 x 77 L drum Foxxy + 16 x 320 gram bottles MPower R + 1 x 109 L drum 2,4-D Ester treats 640 acres.

**WATER VOLUME**
- Ground application only: 20-40 L/acre (5-10 US gallons/acre).

**RE-CROPPING OPTIONS**
Seed to all major crops the year after application.

**MIXING INSTRUCTIONS**
1. Fill the spray tank 1/3 to 1/2 full with clean water, begin agitation or bypass and continue throughout mixing and application process.
2. Add the appropriate rate of MPower® R directly to the top of the spray tank and dissolve.
3. Add the required amount of grassy weed control tank mix partner.
4. Add Foxxy herbicide, followed by 2,4-D Ester herbicide.
5. Add surfactant if required, then complete filling tank with balance of water needed, and apply.
6. Product must be applied within 12 hours in order to remain effective.
7. Clean sprayer equipment thoroughly after application.

**WEEDS CONTROLLED/SUPPRESSED**

**WEEDS CONTROLLED:**
- Ball mustard
- Chickweed (emerged only, 1-6 leaf)
- Cleavers
- Common groundsel
- Cow cockle
- Corn spurry
- Hemp-nettle
- Kochia
- Lady’s-thumb
- Lamb’s quarters

**WEEDS SUPPRESSED:**
- Narrow-leaved hawk’s-beard
- Redroot pigweed
- Russian thistle
- Shepherd’s purse
- Smartweed
- Stinkweed
- Volunteer canola
- Volunteer flax
- Volunteer sunflower
- Wild buckwheat
- Sow thistle
- Stork’s-bill
- Toadflax

---

**POST EMERGENT**

---

1 Apply when chickweed is small and actively growing, but before canopy prevents thorough coverage
2 Not including group 2 resistant biotypes
3 Not including Clearfield tolerant canola
4 Apply to actively growing wild buckwheat at the 3 leaf to cotyledon stage
5 Top growth control only. For best results, apply before bud stage when thistles are no larger than 15 cm tall
6 A control program includes chemical application and frequent tillage
Foxxy™ R delivers outstanding control of tough annual broadleaf weeds including cleavers, kochia, narrow-leaved hawk's-beard, hemp-nettle, stinkweed and more, plus it offers a wide window of application and tank mix flexibility.

### CROPS
Spring Wheat, Durum Wheat, Barley

### APPLICATION TIMING
- 2 leaf to flag leaf

### RAINFAST
- 1 hour

### SUPPORTED TANK MIXES

### RATES & PACKAGING
- Case: 2 x 6.4 L jugs Foxy + 2 x 320 gram bottles MPower R treats 80 acres.

### WATER VOLUME
- Ground application only: minimum 22 L/acre (5 - 10 US gallons/acre).

### RE-CROPPING OPTIONS
- Seed to all major crops the year after application.

### MIXING INSTRUCTIONS
1. Fill the spray tank 1/3 to 1/2 full with clean water, begin agitation or bypass and continue throughout mixing and application process.
2. Add the appropriate rate of MPower R directly to the top of the spray tank and dissolve.
3. Add the required amount of grassy weed control tank mix partner.
4. Add Foxxy herbicide, followed by other EC formulation herbicides if required.
5. Add surfactant if required, then complete filling tank with balance of water needed, and apply.
6. Product must be applied within 12 hours in order to remain effective.
7. Clean spray equipment thoroughly after application and before application on sensitive crops.

### WEEDS CONTROLLED/SUPPRESSED

#### WEEDS CONTROLLED:
- Ball mustard
- Chickweed1 (1-6 leaf)
- Cleavers2 (1-4 whorl)
- Common groundsel
- Corn spurry
- Cow cockle
- Dandelion1 (rosettes)
- Flixweed
- Green smartweed
- Hemp-nettle
- Kochia2 (up to 8 leaf)
- Lady’s-thumb
- Lamb’s quarters

#### WEEDS SUPPRESSED:
- Narrow-leaved hawk’s-beard
- Redroot pigweed
- Russian thistle
- Scentless chamomile3
- Shepherd’s purse
- Stinkweed
- Volunteer canola3
- Volunteer flax (1-12 cm)
- Volunteer sunflower
- Wild buckwheat
- Wild mustard
- Canada thistle4
- Round-leaved mallow
- Sow thistle
- Stork’s-bill (2-6 leaf stage)
- Toadflax (up to 15 cm)5

1 Apply when chickweed is small and actively growing, but before canopy prevents thorough coverage
2 Including group 2 resistant biotypes
3 Addition of MPCA is required to control Clearfield canola, dandelion, and scentless chamomile, see label for recommended rates
4 Top growth control only. For best results, apply before bud stage when thistles are no larger than 15 cm tall
5 A control program includes chemical application and frequent tillage
HellCat™ provides dependable grass weed control, a wide application window, no re-cropping restrictions, and tank mixability for one-shot weed control.

**CROPS**
- Spring Wheat, Durum, Barley

**APPLICATION TIMING**
- Spring Wheat & Durum - 1-6 leaves on the main stem plus 3 tillers
- Barley - 1-5 leaves on the main stem plus 2 tillers

**RAINFAST**
- 1 hour

**SUPPORTED TANK MIXES**
- Clobber™, Clobber M™, Foxxy Pro™, Foxxy M™, Foxxy CM™, Barricade®, Buck M™, Thumper®, Refine® Extra, Refine®SG, Infinity®, Infinity®FX, Momentum®, Pixxaro™, MPower® MCPA Ester® and Amine®, MPower® 2,4-D Ester®, MPower®Extra.

**RATES & PACKAGING**
- Case containing 2 x 6.2 L jugs treats 40 acres
- 99.3 L drum treats 320 acres
- Or a 620 L tote treats 2,000 acres

**WATER VOLUME**
- Spring Barley: Minimum 45 L/acre (11 US gallons/acre)

**RE-CROPPING OPTIONS**
- Seed to all major crops the year after application.

**MIXING INSTRUCTIONS**
1. Fill spray tank 1/2 full of water, start sprayer tank agitation and continue agitation through mixing and spraying.
2. If a tank mix partner is to be used, refer to the sections on tank mix combinations with Hellcat.
3. Add the tank mix partner first, prior to adding Hellcat.
4. Slowly add the correct amount of Hellcat to the spray tank. Agitate thoroughly.
5. Add the remaining amount of water while agitation continues.
6. Spray out immediately. Spray mixture should not be left in tank overnight.
7. When mixing second and subsequent tanks, ensure the tank is half-full of clean water prior to adding herbicide, and follow steps 2-6.

**WEEDS CONTROLLED**

<table>
<thead>
<tr>
<th>WEEDS</th>
<th>WHEAT, DURUM, BARLEY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wild Oats</td>
<td>●</td>
</tr>
<tr>
<td>Green Foxtail</td>
<td>●</td>
</tr>
<tr>
<td>(Wild Millet)</td>
<td></td>
</tr>
<tr>
<td>Barnyard Grass</td>
<td>●</td>
</tr>
<tr>
<td>Yellow Foxtail</td>
<td>●</td>
</tr>
</tbody>
</table>

● Control

Always read and follow label guidelines prior to use and follow the most restrictive label precautions.
Independence® delivers outstanding grass weed control, a wide window of application, convenient packaging, and no re-cropping restrictions in many different crops.

**CROPS**
- Canola, Flax, Field Peas, Lentils, Soybeans, Dry Onions, Potatoes, Mustard, Seedling Alfalfa, Chickpeas, Sunflowers, Dry Beans

**APPLICATION TIMING**
- Canola, Flax, Field Peas, Lentils, Soybeans, Dry Onions, Potatoes, Mustard, Seedling Alfalfa, Sunflowers, Dry beans - All stages of growth
- Chickpeas - Up to 9 nodes

**RAINFAST**
- 1 hour

**SUPPORTED TANK MIXES**
- Vigor™*, Buck M™*, Clobber™*, Clobber M™*, Kamikaze®, Muster®, MPower®, MCPA Ester®, Ninja™, Samurai™

**RATES & PACKAGING**
- Case (1 x 3 L Independence, 1 x 7.5 L Tonto adjuvant) treats 40 acres
- Bulk Packaging (2 x (2 x 9.4 L Independence) - Cases) + (1 x 94 L Tonto adjuvant - Drum) treats 500 acres
- Independence Herbicide is to be used only with the adjuvant MPower Tonto™.

**WATER VOLUME**
- Ground: 22-91 L/acre maximum (5.5 - 22 US gallons/acre)
- Aerial: 11-22 L/acre (3 - 6 US gallons/acre). Water volume requirement varies by crop, see label for crop specific application requirements.

**WEEDS CONTROLLED**
- Canola (1), Flax (2), Field Peas, Lentils, Soybeans, Dry Onions, Potatoes, Mustard (3), Seedling Alfalfa, Chickpeas (4), Sunflowers (5)

**RE-CROPPING OPTIONS**
- Seed to all major crops the year after application.

**MIXING INSTRUCTIONS**
1. Fill spray tank 1/2 full of water, start sprayer agitation, and continue agitation throughout mixing and spraying.
2. Add dry formulation tank mix partners, followed by EC tank mix partners.
3. Add correct amount of Independence, followed by correct amount of Tonto adjuvant, and fill the spray tank.
4. Continue application until the tank is empty.
5. If agitation is stopped prior to completion, re-suspend spray solution by full agitation prior to commencing spraying again.
6. Clean tank thoroughly after application.

**NOTE:** For tank mixes with Vigor, see the Vigor product label for complete mixing instructions.

**EMPIRE™**
Phosphate Ester Surfactant
SAME ACTIVE AS AMIGO®

For use with the post-emergence herbicide INDEPENDENCE®.

STOP
WEEDS CONTROLLED

<table>
<thead>
<tr>
<th>WEEDS</th>
<th>CANOLA (1), FLAX (2), FIELD PEAS, LENTILS, SOYBEANS, DRY ONIONS, POTATOES, MUSTARD (3), SEEDLING ALFAFA, CHICKPEAS (4), SUNFLOWERS (5)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foxtail (Green, Yellow)</td>
<td>•</td>
</tr>
<tr>
<td>Wild Oats</td>
<td>•</td>
</tr>
<tr>
<td>Volunteer Cereals (Wheat, Barley, Oats)</td>
<td>•</td>
</tr>
<tr>
<td>Barnyard Grass</td>
<td>•</td>
</tr>
<tr>
<td>Witchgrass</td>
<td>•</td>
</tr>
<tr>
<td>Fall Panicum</td>
<td>•</td>
</tr>
<tr>
<td>Proso Millet</td>
<td>•</td>
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<tr>
<td>Volunteer Corn</td>
<td>•</td>
</tr>
<tr>
<td>Volunteer Canary Grass</td>
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</tr>
<tr>
<td>Persian Darnel</td>
<td>•</td>
</tr>
<tr>
<td>Crabgrass (Smooth &amp; Large)</td>
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</tr>
<tr>
<td>Quackgrass suppression</td>
<td>•</td>
</tr>
<tr>
<td>Quackgrass Control</td>
<td>•</td>
</tr>
</tbody>
</table>

- Control / Suppression (6)

(1) Canola including imazethapyr-tolerant varieties
(2) Flax including low linolenic acid varieties
(3) Mustard (oriental, brown, yellow) (condiment type only)
(4) Desi and Kabuli chickpeas.
(5) Dry beans (Pinto, Black, Great Northern, Red, Pink, and Navy).
(6) Requires rate of 0.38 L/ha. Suppression means that consistent control at a level this is not optimal but still of commercial benefit is achieved.

Always read and follow label guidelines prior to use and follow the most restrictive label precautions.
KAMIKAZE
Imazethapyr Herbicide
SAME ACTIVE AS PURSUIT®

Kamikaze® provides excellent broadleaf control and an early application window for cleaner fields and optimum crop yields.

CROPS
- Field Peas

APPLICATION TIMING
- May be applied up to the 6th above-ground node stage (6 True leaves)

RAINFAST
- 6 hours

SUPPORTED TANK MIXES†
- independence™

RATES & PACKAGING
- Case containing 2 x 3.3 L jugs treats 80 acres
- Addition of non-ionic surfactant, such as Agral® 90 or AgSurf® is required.

WATER VOLUME
- Ground application only: 40-160 L/acre (10-40 US gallons/acre).

RE-CROPPING OPTIONS
- 0-12 months after application: field peas, imazethapyr and imazamox tolerant canola.
- 1 year after application: spring barley, spring wheat, lentils, alfalfa, field peas, imazethapyr and imazamox tolerant canola. Conduct a field bioassay (a test strip grown to maturity) the year BEFORE growing any other crop than those listed above.

MIXING INSTRUCTIONS
1. Fill spray tank 1/2 to 3/4 full of water, start sprayer tank agitation and continue agitation through mixing and spraying process.
2. Using a calibrated measuring device, add the required amount of Kamikaze.
3. Add the required amount of non-ionic surfactant.
4. Fill the remainder of the tank with water and apply.
5. If application is stopped prior to completion, re-suspend spray solution by full agitation prior to commencing spraying again.
6. Clean sprayer equipment thoroughly after application and before application on subsequent crops.

WEEDS CONTROLLED

<table>
<thead>
<tr>
<th>WEEDS</th>
<th>FIELD PEAS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chickweed**</td>
<td>●</td>
</tr>
<tr>
<td>Cleavers**</td>
<td>●</td>
</tr>
<tr>
<td>Hemp-Nettle</td>
<td>●</td>
</tr>
<tr>
<td>Redroot Pigweed</td>
<td>●</td>
</tr>
<tr>
<td>Shepherd’s Purse**</td>
<td>●</td>
</tr>
<tr>
<td>Smartweed</td>
<td>●</td>
</tr>
<tr>
<td>Stinkweed**</td>
<td>●</td>
</tr>
<tr>
<td>Volunteer Canola*</td>
<td></td>
</tr>
<tr>
<td>Wild Buckwheat</td>
<td>/</td>
</tr>
<tr>
<td>Wild Mustard**</td>
<td>●</td>
</tr>
<tr>
<td>Green Foxtail</td>
<td>●</td>
</tr>
<tr>
<td>Wild Oats*</td>
<td>/</td>
</tr>
</tbody>
</table>

● Control  ✓ Suppression

* For suppression of wild oats apply Kamikaze Imazethapyr Herbicide between the 2-4 leaf stage of the weed.
** Certain populations of these weeds are known to be resistant to group 2. If you suspect this potential on your farm, follow label recommendations in Resistance-Management Recommendations.
*** Only non-clearfield varieties.

Always read and follow label guidelines prior to use and follow the most restrictive label precautions.
**MPower® R** delivers broad spectrum control of over 21 broadleaf weeds including smartweed, hemp-nettle, chickweed and narrow-leaved hawk’s-beard plus a wide window of application, numerous tank mixes and no re-cropping restrictions.

### CROPS
- Spring Wheat, Winter wheat, Durum Wheat, Barley, Oats, Established forage grasses

### APPLICATION TIMING
- Winter wheat, Durum wheat, barley: 2 leaf to flag leaf, prior to head emergence.
- Established forage grasses: post-emergence.

### RAINFAST
- 1 hour

### SUPPORTED TANK MIXES

### RATES & PACKAGING
- Minibox: 1 x 320g bottle of Mpower R treats 40 acres.

### WATER VOLUME
- Ground application: minimum 22 L/acre (5 US gallons/acre).
- Aerial application: minimum 11 L/acre (2.5 US gallons/acre).

### RE-CROPPING OPTIONS
- Seed to all major crops the year after application.

### MIXING INSTRUCTIONS
1. Fill the spray tank 1/3 to 1/2 full of clean water, begin agitation or bypass and continue throughout mixing and application process.
2. Add the appropriate rate of MPower R directly to the top of the spray tank and dissolve.
3. Add the required amount of grassy weed control tank mix partner.
4. Add any required EC liquid products such as MCPA.
5. Add surfactant if required, then complete filling tank with balance of water needed, and apply.
6. Product must be applied within 12 hours in order to remain effective.
7. Clean sprayer equipment thoroughly after application, especially before use on sensitive crops.

### WEEDS CONTROLLED/SUPPRESSED

#### WEEDS CONTROLLED:
- Ball mustard
- Chickweed
- Common groundsel
- Cow cockle
- Flixweed
- Green smartweed
- Hemp-nettle
- Kochia
- Lady’s-thumb
- Lamb’s quarters
- Narrow-leaved hawk’s-beard

#### WEEDS SUPPRESSED:
- Canada thistle
- Cleavers
- Round-leaved mallow
- Scentless chamomile
- Sow thistle
- Stork’s-bill
- Toadflax

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1. Emerged plants only. Apply when chickweed is small and actively growing and before canopy close
2. Not including group 2 resistant biotypes
3. Not including Clearfield tolerant varieties
4. Apply to actively growing wild buckwheat in the cotyledon 1-3 leaf stage. Large plants may regrow after treatment
5. Apply before the bud stage when thistles are <15 cm in height and when majority of thistles have emerged and are actively growing
6. Apply to actively growing mallow from 2-6 leaf stage. Plants will be stunted but overall populations may not be reduced

---

Always read and follow label guidelines prior to use and follow the most restrictive label precautions.
Ninja™ delivers effective one-pass weed control for control of broadleaf and grassy weeds in field peas

CROPS
- Field Peas

APPLICATION TIMING
- 1 to 6 nodes

RAINFAST
- 3 hours

SUPPORTED TANK MIXES
- None

RATES & PACKAGING
- 692 g (8 × 86.5 g water soluble pacrek)
- A case treats 40 acres

WATER VOLUME
- Ground application only: 20-40 L/acre (5-10 US gallons/acre).

RE-CROPPING OPTIONS
- The following crops may be safely planted the year following application of Ninja: Field peas, Clearfield Canola (canola varieties with the Clearfield trait) Clearfield Lentils (lentil varieties with the Clearfield trait), Lentils, Spring wheat, Durum wheat, Tame oats, Canary seed, Spring barley, Chickpeas.
- There are insufficient data for other follow crops. Conduct a field bioassay (a test strip grown to maturity) the year before growing any crop other than those listed above. WARNING: Certain environmental conditions may delay the breakdown of herbicide residues in soil. Read the full product label for information understanding what these conditions are and the increased potential for injury under these conditions.

MIXING INSTRUCTIONS
1. Use a 50-mesh (or coarser) filter screen.
2. Fill the spray tank 3/4 full of clean water, start agitation and continue gentle agitation throughout the entire mixing and spraying procedure.
3. Add the required amount of Ninja soluble bag(s) directly into the sprayer through the tank opening and agitate for at least ten minutes.
4. Add the required amount of Merge® Adjuvant.
5. If excess foaming occurs, add an anti-foaming agent.
6. Complete filling the tank to the desired level with water. If agitation is stopped for more than 5 minutes, re-suspend spray solution by full agitation prior to commencing spraying again.
7. Clean sprayer out thoroughly after application.

WEEDS CONTROLLED

<table>
<thead>
<tr>
<th>WEEDS</th>
<th>FIELD PEAS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Redroot Pigweed</td>
<td>●</td>
</tr>
<tr>
<td>Volunteer Tame Mustard</td>
<td>●</td>
</tr>
<tr>
<td>Wild Mustard</td>
<td>●</td>
</tr>
<tr>
<td>Chickweed</td>
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<tr>
<td>Cleavers</td>
<td>●</td>
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<tr>
<td>Flixweed</td>
<td>●</td>
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<td>Green Smartweed</td>
<td>●</td>
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<td>Hemp-Nettle</td>
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<td>Kochia</td>
<td></td>
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<tr>
<td>Lamb’s-Quarter</td>
<td></td>
</tr>
<tr>
<td>Shepherd’s Purse</td>
<td>●</td>
</tr>
<tr>
<td>Stinkweed</td>
<td>●</td>
</tr>
<tr>
<td>Stork’s Bill</td>
<td>●</td>
</tr>
<tr>
<td>Volunteer Canola (1)</td>
<td>●</td>
</tr>
<tr>
<td>Wild Buckwheat</td>
<td></td>
</tr>
<tr>
<td>Barnyard Grass</td>
<td>●</td>
</tr>
<tr>
<td>Green Foxtail</td>
<td>●</td>
</tr>
<tr>
<td>Persian Darnel</td>
<td>●</td>
</tr>
<tr>
<td>Volunteer Barley</td>
<td>●</td>
</tr>
<tr>
<td>Volunteer Tame Oats</td>
<td>●</td>
</tr>
<tr>
<td>Volunteer Wheat</td>
<td>●</td>
</tr>
<tr>
<td>Wild Oats</td>
<td>●</td>
</tr>
</tbody>
</table>

● Control  ✓ Suppression  (1) non-Clearfield canola only

Always read and follow label guidelines prior to use and follow the most restrictive label precautions.
Samurai™ provides reliable control of both grass & broadleaf weeds plus early season control and improved rotational crop flexibility.

**RAINFAST**
- 3 hour

**SUPPORTED TANK MIXES**
- Boa™, Independence®, Basagran® Forte, Centurion®, Poast® Ultra

**RATES & PACKAGING**
- Case: 4 x 117.5 gram water soluble bags treats 40 acres

**WATER VOLUME**
- Ground application only: 40 L/acre (10 US gallons/acre).

**RE-CROPPING OPTIONS**
- 1 year after application: Field peas, canola*, Spring wheat, Durum wheat, Spring barley, Tame oats, flax, Clearfield Sunflowers†.
- There is insufficient data for other crops. Conduct a field bioassay the year before growing any crop other than those listed above.

**WEEDS CONTROLLED/SUPPRESSED**
**WEEDS CONTROLLED** (up to 4 leaf stage):
- Barnyard grass
- Cow cockle
- Green foxtail
- Green smartweed
- Lamb’s-quarters
- Redroot pigweed
- Russian thistle
- Shepherd’s purse
- Cleavers
- Japanese brome grass
- Kochia

**WEEDS SUPPRESSED:**
- Barnyard grass
- Cow cockle
- Green foxtail
- Green smartweed
- Lamb’s-quarters
- Redroot pigweed
- Russian thistle
- Shepherd’s purse
- Stinkweed
- Volunteer barley
- Volunteer canola²
- Volunteer durum wheat
- Volunteer spring wheat³
- Volunteer tame oats
- Wild mustard³
- Wild oats³
- Round-leaved mallow
- Wild buckwheat

† Sunflower varieties with the Clearfield trait.

² Initial injury to non-Clearfield canola may be observed.
³ Not including group 2 resistant biotypes

A blended surfactant for use with post-emergent herbicides Ninja™ and Samurai™

Always read and follow label guidelines prior to use and follow the most restrictive label precautions.
**Vigor™** delivers broad spectrum grass and broadleaf control in Liberty Link® canola.

### CROPS
- Liberty Link® Canola

### APPLICATION TIMING
- Cotyledon to early bolting

### RAINFAST
- 4 hour

### SUPPORTED TANK MIXES
- Independence™

### RATES & PACKAGING
- 2 x 13.5 L case treats 16.7 - 20 acres
- Bulk packaging: 1 x 108 L drum treats 66.7 - 80 acres
- 1 x 500 L Tote treats 309 - 370 acres
- 1 x 1000 L Tote treats 616 - 740 acres

### WATER VOLUME
- Ground: minimum 22-45 L/acre (5.5-11 US gallons/acre)
- Aerial: minimum 22 L/acre (5.5 US gallons/acre)

### RE-CROPPING OPTIONS
Seed to all major crops the year after application.

### MIXING INSTRUCTIONS
1. Fill spray tank 1/2 full of water, start sprayer agitation, and continue agitation throughout mixing and spraying.
2. Add required rate of Amigo adjuvant.
3. Add the required amount of Vigor.
4. Add correct amount of Independence.
5. Add the remaining amount of water, and spray out immediately.
6. If application is stopped prior to completion, re-suspend spray solution by full agitation prior to commencing spraying again.
7. Clean out sprayer equipment thoroughly after application.

### WEEDS CONTROLLED

<table>
<thead>
<tr>
<th>WEEDS</th>
<th>LIBERTY LINK® CANOLA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Barnyard grass (1-4 leaf)</td>
<td>●</td>
</tr>
<tr>
<td>Canada thistle* (10 cm height)</td>
<td>/</td>
</tr>
<tr>
<td>Common chickweed (1 to 4 leaf pairs)</td>
<td>●</td>
</tr>
<tr>
<td>Cow cockle (1 to 4 leaf)</td>
<td>●</td>
</tr>
<tr>
<td>Green foxtail (max 3 tillers)</td>
<td>●</td>
</tr>
<tr>
<td>Green smartweed</td>
<td>●</td>
</tr>
<tr>
<td>Hemp-nettle (1 to 3 leaf pairs)</td>
<td>●</td>
</tr>
<tr>
<td>Kochia (8 cm height)</td>
<td>●</td>
</tr>
<tr>
<td>Lady’s thumb</td>
<td>●</td>
</tr>
<tr>
<td>Lamb’s quarters</td>
<td>●</td>
</tr>
<tr>
<td>Perennial sow thistle (1 to 8 leaf)</td>
<td>●</td>
</tr>
<tr>
<td>Quacrekgrass* (1-4 leaf)</td>
<td>/</td>
</tr>
<tr>
<td>Redroot pigweed (1 to 4 leaf)</td>
<td>●</td>
</tr>
<tr>
<td>Round-leaved mallow (1 to 4 leaf)</td>
<td>●</td>
</tr>
<tr>
<td>Russian thistle (8 cm height)</td>
<td>●</td>
</tr>
<tr>
<td>Scentless chamomile (10 cm height)</td>
<td>●</td>
</tr>
<tr>
<td>Shepherd’s-purse</td>
<td>●</td>
</tr>
<tr>
<td>Stinkweed (1 to 8 leaf)</td>
<td>●</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>WEEDS</th>
<th>LIBERTY LINK® CANOLA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Volunteer canola (except Liberty Link canola varieties)</td>
<td>●</td>
</tr>
<tr>
<td>Volunteer flax (6 cm height)</td>
<td>●</td>
</tr>
<tr>
<td>Wild buckwheat (1 to 3 leaf)</td>
<td>●</td>
</tr>
<tr>
<td>Wild mustard (1 to 5 leaf)</td>
<td>●</td>
</tr>
<tr>
<td>Volunteer barley** (4 leaf, 2 tillers)</td>
<td>●</td>
</tr>
<tr>
<td>Volunteer wheat (4 leaf, 2 tillers)</td>
<td>●</td>
</tr>
<tr>
<td>Cleavers (1 to 2 whorls)</td>
<td>●</td>
</tr>
<tr>
<td>Dandelion (1 to 15 cm rosette)</td>
<td>●</td>
</tr>
<tr>
<td>Flixweed (10 cm height)</td>
<td>●</td>
</tr>
<tr>
<td>Hemp-nettle (1 to 4 leaf pairs)</td>
<td>●</td>
</tr>
<tr>
<td>Quacrekgrass*** (4 leaf)</td>
<td>●</td>
</tr>
<tr>
<td>Stork’s-bill (1 to 3 leaf)</td>
<td>●</td>
</tr>
<tr>
<td>Wild oats (1-4 leaf, maximum 2 tillers)</td>
<td>●</td>
</tr>
</tbody>
</table>

**HEAVY POPULATIONS:**
- Canada thistle* (10 cm height) /
- Quacrekgrass, Volunteer barley** /
- Volunteer wheat ●
- Wild Buckwheat (1-3 leaf) ●

*Control, **Suppression only, ***Improved top growth control

Always read and follow label guidelines prior to use and follow the most restrictive label precautions.

**Declaration of Independence!**
Our Newest Disruptive Product!
DESICCANTS

CROPS

PRODUCTS

Clone™

Good Harvest®
Clone™ delivers fast acting desiccation for a faster easier harvest in many different crops.

**CROPS**
- Beans, Canola, Chickpeas, Flax, Alfalfa, Lentils, Mustard, Peas, Sunflowers

**APPLICATION TIMING**
- Beans - 80-90% pod color change
- Canola - 80-90% seed turned brown
- Chickpeas - refer to label for different varieties - Seeds changed, color to yellow or brown
- Flax - 75% of bolls brown
- Alfalfa - Majority of pods are ripe
- Lentils - Lowest pods are yellow-brown and rattle
- Mustard - 75% of seed has turned
- Peas - Bottom pods are ripe & dry
- Sunflowers - Seed moisture is 20-50%

**RAINFAST**
- No effect once the spray solution has dried

**SUPPORTED TANK MIXES**
- None

**RATES & PACKAGING**
- 2 × 10 L jugs treats 18 - 40 acres
- 115 L drum treats 106 - 230 acres
- 450 L tote treats 413 - 900 acres
- 1000 L tote treats 917 - 2000 acres
- Need to add Sentry™ surfactant @ 1L per 1,000 L of spray mixture
- See label for crop specific application rates.

**WATER VOLUME**
- Ground or aerial application. See label for recommended water volume by crop.

**RE-CROPPING OPTIONS**
- Seed to all major crops the year after application.

Always read and follow label guidelines prior to use and follow the most restrictive label precautions.
**GOOD HARVEST**

Glufosinate-ammonia Desiccant

SAME ACTIVE AS LIBERTY®

Good Harvest® protects your crop quality and grade with fast drydown of annual and perennial weeds for faster, easier harvests.

**CROPS**
- Lentils, Potatoes, Alfalfa for seed production

**APPLICATION TIMING**
- Lentils - 40-60% pod turn (yellow to brown)
- Potatoes - 14 to 21 days prior to harvest
- Alfalfa - 50 to 75% pod turn (brown)

**RAINFAST**
- 4 hours

**SUPPORTED TANK MIXES**
- None

**RATES & PACKAGING**
- Case containing 2 x 10.8 L jugs treats 20-27 acres
- Drum containing 108 L treats 80 - 98 acres
- Tote containing 1000 L treats 926 - 1250 acres
- See label for crop specific application rates.

**WATER VOLUME**
- Ground: 20-40 L/acre (5-10 US gallons/acre)
- Aerial: 12 L/acre (3 US gallons/acre)

**RE-CROPPING OPTIONS**
- Seed to all major crops the year after application.

Always read and follow label guidelines prior to use and follow the most restrictive label precautions.
FUNGICIDES

CROPS

PRODUCTS

Spade™
Spade™ provides dependable control of key diseases and improves plant health in many different crops.

**CROPS**
- Wheat, Barley, Rye, Lentils, Field peas, Dry beans, Faba Beans, Soybeans, Legume Vegetables, Succulent Shelled Beans and Peas, Chickpeas, Potato, Corn, Sugarbeets, Bluegrasses etc., Alfalfa, Timothy

**APPLICATION TIMING**
- Wheat, Barley & Rye - Immediately after flag leaf emergence
- Chickpeas, Lentils, Field Peas, Dry Beans, Faba Beans, Soybeans, Edible-Podded legume Vegetables, Succulent Shelled beans & Peas - At the beginning of flowering OR at the onset of symptoms
- Potato - Prior to row closure OR when conditions are conducive to disease development
- Corn, Bluegrasses, Timothy - Prior to disease development
- Sugar Beets - At the onset of disease
- Alfalfa - At the beginning of flowering (10-30% bloom) OR the onset of disease

**RAINFAST:**
- 1 hour

**SUPPORTED TANK MIXES**
- Ninja™*, Independence™*, Vigor™*, Disruptor 360™*, Disruptor 540™*, Lance®*

**RATES & PACKAGING**
- Case: 2 x 6.5 L jugs treats 36 - 108 acres
- Bulk packaging: 120 L drum treats 333 - 1000 acres 450 L tote treats 1250 - 3750 acres
- See label for crop specific application rates

**WATER VOLUME**

**RE-CROPPING OPTIONS**
- Seed to all major crops the year after application.

**MIXING INSTRUCTIONS**
1. Fill spray tank 1/2 full of water, start sprayer agitation, and continue agitation throughout mixing and spraying.
2. Add the required amount of the tank mix partner.
3. Add the required amount of Spade to the tank.
4. Continue agitation while filling the remainder of the spray tank with water, and apply product.
5. If application is stopped prior to completion, re-suspend spray solution by full agitation prior to commencing spraying again.
6. Clean out sprayer equipment thoroughly after application.

**DISEASES CONTROLLED**

<table>
<thead>
<tr>
<th>CROP</th>
<th>DISEASE CONTROLLED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wheat</td>
<td>Leaf rust, Tan spot, Septoria leaf spot, Powdery mildew, Spot blotch, Stripe Rust.</td>
</tr>
<tr>
<td>Barley</td>
<td>Net blotch, Scald, Spot Blotch, Stripe rust, Rye: Leaf rust, Powdery Mildew.</td>
</tr>
<tr>
<td>Chickpea</td>
<td>Ascochyta blight.</td>
</tr>
<tr>
<td>Lentil</td>
<td>Anthracnose, Ascochyta blight.</td>
</tr>
<tr>
<td>Dry field peas</td>
<td>Mycosphaerella blight, Powdery mildew, Asian soybean rust.</td>
</tr>
<tr>
<td>Dry beans (Phaseolus spp.)</td>
<td>Anthracnose, Powdery mildew, Rust, Asian soybean rust;</td>
</tr>
<tr>
<td>Dry beans (Vigna spp.)</td>
<td>Anthracnose, Mycosphaerella blight, Powdery mildew, Asian soybean rust;</td>
</tr>
<tr>
<td>Dry beans (Lupinus spp.)</td>
<td>Mycosphaerella blight, Powdery mildew, Asian soybean rust;</td>
</tr>
<tr>
<td>Fababeans</td>
<td>Mycosphaerella blight, Powdery mildew, Asian soybean rust.</td>
</tr>
<tr>
<td>Soybean</td>
<td>Frog eye leaf spot, Asian soybean rust</td>
</tr>
<tr>
<td>Edible-podded legume vegetables</td>
<td>Angular leaf spot</td>
</tr>
<tr>
<td>Succulent shelled beans and peas</td>
<td>Mycosphaerella blight, Ascochyta blight, Asian soybean rust.</td>
</tr>
<tr>
<td>Dry field pea</td>
<td>Suppression of downey mildew</td>
</tr>
<tr>
<td>Potato</td>
<td>Early blight, Late blight.</td>
</tr>
<tr>
<td>Corn (field, sweet, pop, seed types)</td>
<td>Common rust, Gray leaf spot.</td>
</tr>
<tr>
<td>Sugar Beets</td>
<td>Cercospora leaf spot, Powdery mildew.</td>
</tr>
<tr>
<td>Bluegrasses, fescues, ryegrasses grown for seed</td>
<td>Leaf and stem rust, Powdery mildew suppression</td>
</tr>
<tr>
<td>Alfalfa for seed production</td>
<td>Common leaf spot.</td>
</tr>
<tr>
<td>Timothy</td>
<td>Brown stripe, Leaf streak, Purple eye spot</td>
</tr>
</tbody>
</table>

Always read and follow label guidelines prior to use and follow the most restrictive label precautions.
SURFACTANTS & WATER CONDITIONERS

PRODUCTS

Assassin™
Citri Soft H2O™
Tonto™
Chem Spray®
UAN 28%

ASSASSIN™
Blended Surfacant
SAME ACTIVE AS MERGE®

A blended surfactant for use with post-emergent herbicides Ninja™ and Samurai™
CITRISOFT H20
Acid-based water conditioning agent
SAME ACTIVE AS PH ADJUSTOR®

Citrisoft H20® acid-based water conditioning agents minimize the negative reactions between minerals in your water and the pesticides you add to the spray-tank. Citrisoft has been used with pesticides on millions of acres in Canada.

RATES & PACKAGING
• Available in a convenient liquid formulation.
• Case containing 2 x 9.46 L jug
• Each jug treats 1,000 US gallons of water
• Each case treats 2,000 US gallons of water

EMPIRE™
Phosphate Ester Surfactant
SAME ACTIVE AS AMIGO®

For use with the post-emergence herbicide Independence®.

CHEM SPRAY
Paraffin base petroleum oil with a Surfactant blend
SAME ACTIVE AS SCORE®

Chem Spray® is a non-ionic blend of surfactants and highly refined paraffinic crop oil designed to optimize the performance of Aurora® Herbicide on Spring Wheat and Durum Wheat.

UAN 28%
Active Ingredient: 28-0-0
UREA AMMONIUM NITRATE LIQUID FERTILIZER

SUPPORTED TANK MIXES
• For use with post emergent Boa herbicide.

RATES & PACKAGING
• For use with post emergent Boa and Boa Pro herbicide.

Always read and follow label guidelines prior to use and follow the most restrictive label precautions.
FERTILIZERS

UPDATES

Project N

Genesis Grain & Fertilizer

MICRONUTRIENT FERTILIZERS, STARTERS & FOLIARS

ContaiN™
Nzone GL™
Liquid Gold Start®
MicroPhos® Pro 1
MicroPhos® Pro 1 Zinc Plus
HumaPaK®

CalPaK®
NutriPak™
Valupak™
Borpak™
Sulpak™
Charge®
In the Fall of 2012, FNA and AgraCity launched an initiative to create a development fund to explore the feasibility of building a farmer-owned nitrogen fertilizer plant in Western Canada.

FNA Fertilizer Limited Partnership (FNA FLP) was successful in raising close to nine million dollars from over 2,700 farmers in seed capital to begin the aggressive undertaking of bringing ProjectN to reality.

Although non-disclosure agreements with key industry players do not allow for details to be shared outside the Project Management Team, the following is a synopsis of major milestones:

2013: An extensive Bankable Feasibility Study (BFS) was developed by Stantec Engineering to identify the ability of ProjectN to become a profitable entity. The result was YES.

2014: A number of high level meetings, arranged by BMO Capital Markets, were held with senior executives from potential strategic partners. The meetings were productive, however a suitable partner to help move the project forward that met the requirements of FNA FLP did not materialize.

2015: Negotiations continued with major financial institutions, technology providers, EPC’s and potential strategic investors throughout the year. Finding a suitable partner that had the resources and the expertise to ensure a successful project acceptable to senior debt lenders and the ProjectN management team proved to be a difficult task in the current capital environment. Additional work was undertaken on the site plot plan as well as a review of the project to determine if there were alternatives to the original BFS. Following this review, late in 2015 we were successful in attracting a strategic partner that met our qualifications. This was a major step forward!

2016: Early in 2016, together with our strategic partner we had extensive meetings, with four EPC/Technology providers that resulted in a tender process. A project cost was established providing a financial framework to validate the project viability. With this framework in hand the ProjectN management team undertook to explore additional options to optimize the project. In late 2016 the ProjectN team aligned with a second strategic partner who presented a proposal that has the potential to advance the project. Significantly, a Memorandum of Understanding has now been executed with the second strategic partner.

2017: Meetings were held with both strategic partners to review the project design and scope and best way to move ProjectN forward. The Project Management Team and strategic partners then had several joint onsite meetings here and at production sites abroad. There was consensus with the partners that it is necessary to advance Genesis to give the strategic partners and the banks confidence that there is distribution in place to handle the off take of ProjectN. We have turned all our attention to getting Genesis up and running to alleviate the off take concerns of ProjectN. After several Genesis facilities are well under way we will put ProjectN on the fast track again.

The economics of the ProjectN have not changed since inception of this project. The in-depth analysis shown in the bankable feasibility study and further corroboration with our prospective strategic partners and the EPC/Technology providers have only reconfirmed the extremely positive economics. These results show the cash cost of production for a metric tonne of urea is approximately $200 CAD/MT whereas the average farmer acquisition cost to farmers for a MT of Urea based on Green Markets over the last 10 years has averaged more than $550 CAD/MT. Based on these numbers the annual free cash flow is estimated at $250 million with an internal rate of return on the project of greater than 16%. The economics still make sense to keep pushing forward and our prospective strategic partners agree to continue on the path and take the necessary next steps after the first Genesis Supercenter is commercially operational.
It is a mission of AgraCity to create competition in the fertilizer sector and provide meaningful savings to farmers.

Over the last several years AgraCity has executed on such a vision by successfully sourcing and importing many vessels of fertilizer from offshore and delivered it direct to farmers throughout Canada.

Through our experience, it became apparent that the only way to achieve meaningful change in the fertilizer industry and to give farmers market power was to invest vertically in fertilizer production and distribution.

AgraCity and FNA have been working relentlessly to build Genesis and ProjectN. Genesis is on the way with the first facility slated to open in late 2019, and there are interesting and positive developments in play with ProjectN.

AgraCity will continue to be involved in the fertilizer sector assisting these projects through development and start up to ensure farmers are well positioned in the fertilizer sector for generations.

Through an exclusive agreement with Genesis Grain & Fertilizer, AgraCity will provide service to source and sell fertilizer to Genesis investors.

AgraCity’s world class fertilizer team are experts in sourcing and managing the logistics of fertilizer products. Our team has the depth and breadth of knowledge second to none in the industry. We are confident that our team, coupled with Genesis as your fertilizer storage and blending facility, will add significant value to your farming operations.

Working together we can optimize your fertilizer buying position.
GENESIS – The Farmer’s Fertilizer Company

In May 2018, Genesis management began negotiations with additional investors and commenced development of a modified construction design for the first SuperCenter at Belle Plaine, SK.

We are pleased to announce that effective December 7, 2018, the Genesis team has signed definitive agreements to design and build a turnkey, 20,000MT fertilizer blending and storage facility. The facility will be designed “Attached Warehouse Ready” with capability to build 20,000 to 50,000 MT storage warehouse with live reclaim adjacent to the main facility.

The plan is to begin commercial operations of the first SuperCenter located in Belle Plaine, SK by Fall of 2019.

Genesis Grain & Fertilizer LP (Genesis), is a farmer-owned fertilizer distribution company with potential to add grain handling capabilities in the future.

Farmers of North America, together with AgraCity, created and sponsored Genesis to provide farmers with the opportunity to invest in, and ultimately share the profits of a highly efficient, state-of-the-art fertilizer distribution business.

Genesis is a world class fertilizer storage, blending and distribution business. We will source or manufacture all your fertilizer requirements.

HIGHLIGHTS

- Majority Farmer Owned - Profits Returned to Investors
- State of the Art SuperCenter Facilities
- First SuperCenter at Belle Plaine will be a 20,000MT Fertilizer Storage and Blending facility with eight product separations
- Solid wood and concrete structures built by best-in-class Construction firm;
- Capability to unload rail cars and trucks at 400 metric tonnes per hour;
- Capability to load Trucks from Rail cars;
- Automated so drivers never leave their trucks;
- Declining Weight Technology;
- Plan for seven SuperCenters to be built across western Canada
- Designed to service 20% of cultivated acres across western Canada;
- Plans for import facilities at major ports coupled with dedicated rail service to ensure efficient logistics and market competitiveness
- Alignment with strategic suppliers

Western Canadian farmers pay the highest price in the world for fertilizer!

As displayed in the chart, Canadian farmers have historically paid import parity plus pricing which includes the cost of merchandising, distribution, logistics, and dealer margins when purchasing fertilizer that is produced in Canada. Moving forward, Genesis will allow its farmer investors to participate in this portion of the fertilizer value chain directly, therefore reducing investors’ overall fertilizer costs. Genesis, when combined with the strong performance track record of AgraCity, expects to derive multiple benefits and access to the newest innovations in crop nutrition consistent with AgraCity’s leadership in this area.
## MICRONUTRIENT FERTILIZERS, STARTERS AND FOLIARS

<table>
<thead>
<tr>
<th>PRODUCTS</th>
<th>DESCRIPTION</th>
<th>ACTIVE INGREDIENT</th>
<th>COMPARABLE PRODUCT</th>
<th>CROPS</th>
<th>LEAF STAGE</th>
<th>TANK MIX</th>
<th>PACKAGING</th>
</tr>
</thead>
</table>
| **Contai N** | Used to treat UAN or Urea for nitrogen stabilization above ground & below ground | NZone Technology & NBPT | Agrotain Plus® | All | N/A | UAN & Urea | • 5 USG cases (Treats 10 MT)  
• 30 USG drums  
• 55 USG drums  
• 275 USG Totes |
| **NZONE GL** | Used to treat anhydrous or UAN for below ground nitrogen stabilization | NZone for Gas (NH3) or Liquid (UAN) | N-Serve® | All | N/A | UAN & NH3 | • 5 USG cases (Treats - Varies)  
• 30 USG drums  
• 55 USG drums  
• 275 USG Totes |
| **LiquidGold START** | Liquid Orthophosphate fertilizer | 80% Orthophosphate & 20% Polyphosphate compared to 10-34-0 at 30% Ortho & 70%Poly | Alpine® G22 | All | N/A | N/A | • 1000 L totes  
• Bulk |
| **MicroPhos PRO1** | Granular Fertilizer Blend including 5 essential micro nutrients | P,K,S & Zinc, Iron, Manganese, Copper & Boron | MAP, MESZ, S15 | All | N/A | N/A | • 2000 LB Bags or Bulk Semi Loads |
| **MicroPhos PRO1 Zinc Plus** | Granular Fertilizer Blend including 5 essential micro nutrients | P,K,S & 1% Zn, Iron, Manganese, Copper & Boron | MAP, MESZ, S15 | Pulse Crops | N/A | N/A | • 2130 LB Bags or Bulk Semi Loads |
| **HumaRak** | A stubble digester and soil conditioner | 8-0-0-0.1 Cu | N/A | All | Desication timing | Glyphosate | • 5 USG Case  
• 55 USG Drum  
• 275 USG Tote |
| **CalPAK** | A soil conditioner that helps neutralize soils by lowering PH levels | 15-0-0-3 Ca | N/A | All | Pre Seeding | Cannot be tank mixed | • 5 USG Case  
• 55 USG Drum  
• 275 USG Tote |

Always read and follow label guidelines prior to use and follow the most restrictive label precautions.
# Micronutrient Fertilizers, Starters and Foliers

<table>
<thead>
<tr>
<th>PRODUCTS</th>
<th>DESCRIPTION</th>
<th>ACTIVE INGREDIENT</th>
<th>COMPARABLE PRODUCT</th>
<th>CROPS</th>
<th>LEAF STAGE</th>
<th>TANK MIX</th>
<th>PACKAGING</th>
</tr>
</thead>
</table>
| **NutriPak**  
*Better soil. Better crop. Better yield.* | Seed applied fertilizer treatment | 8-10-2 | N/A | All | N/A | N/A | • 5 USG cases (Treats - Varies)  
• 30 USG drums  
• 55 USG drums  
• 275 USG Totes |
| **Valuepak**  
*Better soil. Better crop. Better yield.* | Complete foliar fertilizer with plant growth regulators | 7-12-1 with the "Pak" component & PGRs | N/A | All | Apply at fungicide timing | No restrictions other than insecticides ie Krypton | • 5 USG cases (Treats 80 acres)  
• 30 USG drums  
• 55 USG drums  
• 275 USG Totes |
| **BorPak**  
*One product. Multi Purpose. Higher profits.* | Boron Foliar fertilizer | Complex 7.5% boron package designed as a foliar spray | N/A | All | Apply at fungicide timing | No restrictions other than insecticides ie Krypton | • 5 USG cases (Treats 40 acres)  
• 30 USG drums  
• 55 USG drums  
• 275 USG Totes |
| **SulPak**  
*Higher Profits. Increased Yield.* | Sulphur Foliar fertilizer | 8-0-0 foliar fertilizer with 17% sulfur. | N/A | All | Apply at Herbicide timing | No restrictions other than insecticides ie Krypton | • 5 USG cases (Treats 20 acres)  
• 30 USG drums  
• 55 USG drums  
• 275 USG Totes |
| **Charge**  
*Better Soil. Higher Yield.* | Phosphate foliar fertilizer | 8-32-5-0-.05Zn | N/A | All | Apply at herbicide or fungicide timing | No restrictions other than insecticides ie Krypton | • 5 USG cases (Treats 20 - 40 acres)  
• 30 USG drums  
• 55 USG drums  
• 275 USG Totes |

Always read and follow label guidelines prior to use and follow the most restrictive label precautions.
INOCULANTS

CROPS

PRODUCTS

Boost-NCT®
AgTiv® for SoyBean
AgTiv® for Pea/Lentil
**SAME ACTIVE AS CELL TECH®**

**Rhizobium Leguminosarum Inoculant**

**Granular, Liquid and Peat inoculant for pea/lentils**

- **CROPS**: Pea/Lentil & Faba Beans
- **PACKAGING**:
  - Case containing 7 x 2.2kg bags of peat powder - treating 240 bushels
  - 40 lb Bags
  - 800 lb Bags

**AGTIV®**

**Bradyrhizobium japonicum Inoculant**

**Granular Soybean Inoculant**

- **CROPS**: Soybeans
- **PACKAGING**:
  - 40 lb bags (Treats 8 ac) or 800 lb bags (Treats 160 acres)

**AGTIV®**

**Rhizobium Leguminosarum Inoculant**

**Granular and Powder Pea/Lentil Inoculant**

- **CROPS**: Peas, Lentils, Faba Beans
- **PACKAGING**:
  - 40 lb bags (Treats 8 ac) or 800 lb bags (Treats 160 acres)

Always read and follow label guidelines prior to use and follow the most restrictive label precautions.
MPOWER® Trans/Gear (Hydraulic) Tractor Fluid is a multifunctional type fluid formulated specifically for tractors using a centralized system to lubricate the transmission, differential, wet brake, power steering & hydraulic systems. MPOWER® Trans/Gear (Hydraulic) Tractor Fluid is formulated with high viscosity index base oils & a special additive system to provide anti-wear properties, the ability to carry heavy differential gear loads, resistance to oxidation stress from high temperatures, & the special balance of frictional properties required to prevent wet brake chatter & give smooth operation. This fluid is designed to provide superior transmission & hydraulic operations at all temperature conditions, while keeping the internal parts clean & prolonging the life of sealing materials. The viscosity characteristics of MPOWER® Trans/Gear (Hydraulic) Tractor Fluid make it the ideal fluid for use on a year round basis; it has good cold flow performance for those times when cold temperature start-up & operation are essential, yet retains its viscosity well for protection during the hot summer months. If better low temperature characteristics are required for very low temperature start-up & operation, alternative oils are available.
MPOWER® DEO 0W40
Fully Synthetic CJ-4

MPOWER® 0W-40 Diesel Full Synthetic is an advanced full synthetic diesel engine oil engineered for fuel economy, wide temperature range performance & to protect all 2007 & newer model year low emission engines & their exhaust after treatment systems. This unique formulation was also designed to provide additional protection for older engines. The high Total Base Number (TBN), outstanding TBN retention, additional antioxidant, & Wear Saver Technology™ give MPOWER® 0W-40 Diesel Full Synthetic the highest level of reserve quality. MPOWER® 0W-40 Diesel Full Synthetic oil is designed for longer engine life in fleet, construction, & agriculture equipment under severe service & extreme temperature conditions. This has been supported by extensive engine & field testing.

MPOWER® 0W-40 Diesel Full Synthetic oil technology has been proven to protect diesel particle filter (DPF) against ash buildup, & provide improved engine protection from soot, deposits, varnish, wear, acid accumulation, TBN loss, oil viscosity shear, & oil consumption.

PACKAGING
• 1000L Tote
• 205L drum
• 20L Pail

MPOWER® 15W40
DIESEL CK-4

MPOWER® 15W-40 Diesel CK-4 is a premium engine oil that meets or exceeds API CK-4 service in four-stroke cycle diesel engines designed to meet 2017 model year & later EPA on-highway exhaust emissions standards. MPOWER® 15W-40 Diesel CK-4 is specially formulated to protect exhaust after-treatment devices such as diesel particulate filters (DPFs), diesel oxidation catalysts (DOCs) & selective catalytic reduction (SCR) systems. The high zinc formula provides excellent protection for older engines. MPOWER® 15W-40 Diesel CK-4 is backward serviceable for use in pre-2017 diesel engines & is ideal for use in mixed fleets with both diesel & gasoline-fueled vehicles with both on-highway & off-road equipment operating in varying climates & under varying loads & service conditions. The low-ash formulation is designed for compatibility with all exhaust emission control systems in modern diesel engines, & to help prolong DPF life.

PACKAGING
• 1000L Tote
• 205L drum
• 20L Pail

Nemco TGH Fluids are multifunctional fluids formulated specifically for tractors using a centralized system to lubricate the transmission, differential, wet brake, power steering and hydraulic systems. Industry-leading anti-oxidant performance and aeration protection gives NEMCO synthetic engine oil the highest level of field tested durability for longer engine life in fleet, construction, and agriculture equipment under severe service and extreme temperature conditions.
What if you could maximize your yield on every acre? What if you could make more money? What if you could get feedback on your farming practices? What if you had the best information possible to make your decisions on your farm and get all this information from your phone anytime, anywhere?

AgraCity’s one of a kind Digital Agronomy Solution, including our advanced machine learning platform, puts us generations ahead of the competition. Partnered with the highly specialized Israel based company, Taranis, our platform allows farm customers and agronomists to monitor their acres any time, any place at the leaf-level through high-resolution sub mm in-scale imagery. This unparalleled scale of imagery enables deep learning analysis of crop issues and better decision making at the farm gate.

Monitor your acres like a pro through the Taranis app on your tablet or smartphone from the comfort of your home, the lake, or where ever you are! With support from our team of Precision Agronomy professionals, our platform allows you to view and compare satellite imagery throughout the season, build VR maps, view geographic trends in disease, pests and environmental pressure to make in season decisions, pinpoint areas of interest before entering the field or view leaf level imagery. This next generation of Digital Agronomy is exclusive to AgraCity!

SATELLITE IMAGERY:
Satellite imagery of 3-30 metres resolution is available throughout the season with Landsat, Sentinel and Planet Labs constellations. Look at your fields anytime, from anywhere. Keep up to date on current development of your fields or compare images from previous years or other crops to find opportunities in all your fields. Compare images side by side, either comparing various satellites or the same constellations on different days to see how the crop has evolved. Pinpoint areas that need further investigation or measure field info accurately throughout the season, not just at harvest!

VARIABLE RATE (VR) TECHNOLOGY:
Do you like the idea of using Variable Rate (VR) technology on your farm but also want to give your input on the creation of the prescription? Our one of a kind platform allows you to do just that. Overlap and combine as many layers of data as you want- whether its satellite or UHR images, zone maps, soil sampling data or yield maps. Choose the number of zones and set the seed, fertilizer, or spray rates at the levels that are right for your acres- all in just seconds from your computer, tablet, or smart phone. Not comfortable building prescriptions on your own? Our team of agronomic professionals are here to assist you in making the best actionable decisions for your farm!
ULTRA-HIGH RESOLUTION (UHR) IMAGERY:
Whole field, multispectral imagery with 5, 8, or 12 cm resolutions available to identify field zones in need of attention at the plant level. Get detailed information on the economic impact of your farming practices or use these images to assist you and our agronomic professionals formulate scouting plans, prescriptions and more!

SUB-MILLIMETER IMAGERY:
Welcome to the next generation of Digital Agronomy! Our drones, equipped with our advanced camera pods, allows for sub-millimeter imagery to be taken across every acre of the field at any point in the growing season. This replaces the need for managing people, equipment, and physical field notes generated by traditional scouting from only a small fraction of the field.

Our platform offers amazing speed and scale at up to 1,000 acres per hour by drone providing one geo-tagged, high resolution image per acre! Each image is then uploaded and analyzed by our deep learning engine that acts as the agronomist to identify crop pests, growth concerns and assess plant health and quality. Our algorithm allows you to spend your time only looking at the areas you need to pay attention to. No more walking for days not to find an issue or missing it because the crop is too dense. And the best part-all of this can be monitored from your smartphone or tablet.

Scout your fields better than humanly possible! This unparalleled technology enables detailed agronomy insights and deep learning that provide information about where the problem is, offer the diagnosis of the issue, and with support from our agronomic professionals reveal collaborative treatment plans.

DESICCATION MAPPING:
Have you ever considered how many of your pulse acres really need a desiccation product such as Clone (same active as Reglone®) to be dried down at harvest? What if you could avoid spraying the 30-70% of your field that doesn’t require product and save BIG on spray costs? AgraCity has the answer with a VR desiccation prescription using our Disruptive Digital Agronomy technology! Using our platform, create the prescription yourself in seconds or ask our team of agronomists to create field by field maps for you.

FERTILITY PLANNING:
Understanding your soil and fertility needs is the benchmark to achieving the best yields possible on your farm. Our team of agronomic professionals are here to assist you in maximizing your crop yields and farm efficiencies.

CUSTOMIZED TO YOUR FARM
At AgraCity, we believe that an agronomy consulting program should be tailored to exactly what the farmer wants and needs, not a one size fits all package. Our Disruptive Digital Agronomy Solution allows for just that- grower choice. Get exactly what YOU want and don’t pay for anything more! With numerous package options available, our agronomic professionals look forward to working with you to reach your agronomic goals.

THE INDEPENDENT AGRONOMIST:
Our unique platform does not replace agronomists. Instead, we view this incredible tool as a way of providing agronomists with more in-depth field data to bring further value to the farm customers they work closely with everyday. Whether its access to our patented machine-learning platform to decrease scouting power and cover more acres, more precisely in far less time or satellite imagery to build VR prescriptions for your farm customers, AgraCity is here to be your partner!

DRONE LEASE PACKAGES AVAILABLE
Whether you are a large farm or an agronomist, if you want this technology in your hands, we can make it happen! AgraCity’s Drone Lease Package allows you to fly and monitor your acres whenever you want! Limited availability for 2019 - so don’t wait to get yours and miss out!

COUNTRY WIDE ROLL-OUT FOR SPRING 2019!
We are launching our disruptive digital agronomy solution country wide for the 2019 growing season!

For more information, call AgraCity team at 1-844-269-3276.
It Could Be The Most Valuable App You Own

AgraCity’s new innovative mobile app that enables easy, on-the-go access to online tools, educational materials & purchase of our 50+ products. Download it today!

Find out more at agracity.com
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<thead>
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<th>TO CONVERT</th>
<th>INTO</th>
<th>MULTIPLY BY</th>
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<tr>
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### TO CONVERT | INTO | MULTIPLY BY

- fathom | feet | 6.0
- feet | metres | 0.3048
- feet/sec | km/hr | 1.097
- feet/sec | miles/hr. | 0.6818
- footcandle | lumens/metre | 10.764
- furlongs | miles | 0.125
- gallons | litres | 3.785
- gallons/acre | litres/hectare | 9.354
- gallons | pounds of water | 8.3453
- gallons/min. | cu. feet/sec. | 2.228 × 10⁻⁵
- gallons/min. | litres/sec. | 0.06308
- grams | ounces (avoirdupois) | 0.03527
- grams | pounds | 2.205 × 10⁻¹
- grams/hectare | ounces/acre | 0.01428
- grams/litre | pounds/1,000 gal. | 8.345
- grams/litre | parts/million | 1.000
- grams/litre | pounds/acre | 0.008
- hectares | acres | 2.471
- hundred weight/acre | kilograms/hectare | 125.6
- inches | centimetres | 2.54
- inches | atmospheres | 0.03342
- kilograms | pounds | 2.205
- kilograms/acres | pounds/acre | 0.8922
- kilometres | miles | 0.6214
- knots | kilometres/hr. | 1.8532
- knots | miles/hr. | 1.151
- litres/hectare | fluid ounces/acre | 13.68
- litres/hectare | gallons/acre | 0.1069
- litres | gallons | 0.2642
- metres | inches | 39.37
- metres | feet | 3.281
- metres/sec. | kilometres/hr. | 3.6
- metres/sec. | miles/hr. | 2.237

### TO CONVERT | INTO | MULTIPLY BY

- miles | feet | 5,280
- miles | kilometres | 1.609
- ounces | grams | 28.349527
- ounces | pounds | 0.0625
- ounces (fluid) | litres | 0.02957
- ounces (fluid) | millilitres | 29.573
- quarts | litres | 0.9463
- peck (U.S.) | bushels | 0.25
- pints | litres | 0.4732
- pounds | grams | 453.5924
- pounds | kilograms | 0.4536
- pounds | gallons | 0.1198
- pounds/acre | kilograms/hectare | 1.121
- pounds/gallon | grams/litre | 119.8
- rods | feet | 1.65
- sq. centimetres | sq. inches | 0.155
- sq. feet | sq. metres | 0.093
- sq. feet | sq. yards | 0.1111
- sq. kilometres | acres | 247.1
- sq. kilometres | sq. miles | 0.3861
- sq. metres | sq. feet | 10.76
- sq. miles | acres | 640.0
- sq. miles | sq. kilometres | 2.59
- sq. yards | sq. feet | 9.0
- sq. yards | sq. metres | 0.8361
- temperature (°C) | temperature (°F) | 1.8
- temperature (°F) | temperature (°C) | 0.56
- tons (metric) | kilograms | 1.000
- tons (metric) | pounds | 2.205
- tons (metric) | pounds | 0.9078
- tons (2,000 lb)/acre | metric tons/hectare | 2.242
- yards | metres | 0.9144
GROUP 1
(Grass Control)
clethodim, clodinafop, fenoxaprop, pinoxaden, quizalofop, sethoxydim, tralkoxydim

GROUP 2
(Grass & Broadleaf Control)
ethametsulfuron, foramsulfuron, florasulam, flucarbazone, halosulfuron, imazamethabenz, imazamox, imazapyr, imazethapyr, metsulfuron, nicosulfuron, pyroxsulfam, rimsulfuron, thiencarbazone, thifensulfuron, tribenuron

GROUP 3
(Grass & Broadleaf Control)
ethalfuralin, propyzamide, trifluralin

GROUP 4
(Broadleaf Control)
2,4-D, 2,4-DB, aminocyclopyrachlor, aminopyralid, clopyralid, dicamba, dichlorprop, fluroxypyr, halauxifen, MCPA, MCPB, mecoprop-p, picloram, quinclorac

GROUP 5
(Grass & Broadleaf Control)
 atrazine, hexazinone, metribuzin, simazine

GROUP 6
(Broadleaf Control)
bentazon, bromoxynil

GROUP 7
(Grass Control)
acifluorfen, carfentrazone, flumioxazin, fomesafen, pyraflufen, saflufenacil, sulfentrazone

GROUP 8
(Grass & Broadleaf Control)
EPTC, triallate

GROUP 9
(Grass & Broadleaf Control)
glyphosate

GROUP 10
(glufosinate)

GROUP 11
(Grass & Broadleaf Control)
linuron (7), amitrol (11), diflufenicanil (19), diclobenil (20), quinclorac (26-grassy weeds)
METHODS OF PAYMENT

We are proud to offer a variety of payment options to our members. Please contact us if you have any questions about our methods of payment:

EASY PAYMENT OPTIONS OF CREDIT CARD, CHEQUES & ONLINE TRANSFER AVAILABLE:

WE HAVE FINANCING AVAILABLE:

For information regarding AgLine or the FCC Program, please contact your local AgraCity Business Representative or call our toll free number (1-844-2MY-FARM) for information on these programs.

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† Supported by AgraCity under PMRA tank mix policy guidelines.
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