

# IMPACT<sup>®</sup>

## Herbicide

### Impact<sup>®</sup> Herbicide – Postemergence Application Guidelines in Corn

<b>Labeled Crops</b>	<ul style="list-style-type: none"> <li>All types of field corn, sweet corn and popcorn, including inbreds* of all corn types. *Refer to seed company recommendations before application of IMPACT on inbred lines.</li> </ul>
<b>Recommended Rate</b>	<ul style="list-style-type: none"> <li>0.75 to 1.0 fl oz/A. See page 2 for use rates on specific weeds.</li> </ul>
<b>Tank Additives for Best Performance</b>	<ul style="list-style-type: none"> <li>MSO at 1 gal /100 gal plus AMS at 2.0 to 2.5 lb/A or UAN 28% at 3 pt per acre.</li> <li>When tank mixing with glyphosate, use MSO at 2 qt / 100 gal and AMS label rates.</li> <li>MSO provides superior penetration through waxy cuticle on grass and broadleaf weeds.</li> <li>AMS or UAN provides ammonium ion transport of herbicide to site of action in cells.</li> </ul>
<b>Tank Mix Partners</b>	<ul style="list-style-type: none"> <li>Atrazine is recommended at 0.5 to 1.0 lb active per acre for synergy and added residual.</li> <li>Other partners include glyphosate, Liberty<sup>®</sup>, Status<sup>®</sup> and residual corn herbicides.</li> </ul>
<b>Application Window</b>	<ul style="list-style-type: none"> <li>Optimum timing is 2- to 4-inch weed size and corn stage V2 to V5.</li> <li>Impact may be applied up to 45 days before harvest.</li> </ul>
<b>Application Guidelines</b>	<ul style="list-style-type: none"> <li>Recommended gallonage: 15 gal/A minimum by ground and 3 gal/A minimum by air.</li> <li>Drop nozzles and/or higher gallonage are recommended if the crop canopy prevents adequate spray coverage of weeds.</li> <li>Application should be made a minimum of <b>one-hour</b> before rainfall or irrigation.</li> </ul>
<b>Insecticide Guidelines</b>	<ul style="list-style-type: none"> <li>No restrictions with either soil applied or foliar insecticides that are registered for use on corn.</li> </ul>

### Tank mix recommendation for Impact plus atrazine —Use the following mixing order:

- AMS at 2.0 to 2.5 lb/A, or liquid equivalent
- Impact at 0.75 to 1.0 fl oz/A
- Atrazine at 1 to 2 pt/A<sup>1</sup>
- MSO at 1 gal/100 gal<sup>2</sup>
- Water volume of 15 gal/A minimum

<sup>1</sup> Observe atrazine label restrictions on corn height at application. <sup>2</sup> Rate of 1.5 gal/100 gal may be used under stress or arid conditions.

### IMPACT – THE STANDARD IN CORN SAFETY<sup>®</sup>

Exaggerated rate demonstration trial at Iowa State University, 2015

Applications made to corn at V6 growth stage

Four rows treated at 4 oz/A\* plus full rates of MSO and AMS



Harvest result: 236 bu/A and normal ear development



\*Demonstration trial intended only to show exceptional safety margin of IMPACT in corn. Maximum label use rate is 1.0 fl oz/A.

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Important: Always read and follow label instructions. Some products may not be registered for sale or use in all states or counties. Please check with your local extension service to ensure registration status. All products are EPA registered. A290-054312 10/18

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## Impact – Postemergence Application Guidelines in Corn

### Broadleaf Weeds Controlled by Impact at 0.75 to 1.0 fl oz/A and Maximum Recommended Weed Height in Inches at Application<sup>1</sup>

Annual Broadleaf Weeds <sup>2</sup>	Maximum Size (Inches) <sup>3</sup> 0.75 to 1.0 fl oz/A	Annual Broadleaf Weeds <sup>2</sup>	Maximum Size (Inches) <sup>3</sup> 0.75 to 1.0 fl oz/A
Amaranth, Palmer	6 <sup>4</sup>	Nightshade, Hairy	6
Amaranth, Powell	6	Pigweed, Prostrate	6
Burcucumber	6	Pigweed, Redroot	6
Canola, Volunteer	6	Pigweed, Smooth	6
Carpetweed	6	Pigweed, Tumble	4
Chickweed, Common	4	Prickly Lettuce	4
Cocklebur, Common	8	Pusley, Florida	3
Dandelion	6 <sup>5</sup>	Ragweed, Common	6
Galinsoga, Hairy	6	Ragweed, Giant	8 <sup>4</sup>
Henbit	4	Shepard's-purse	4
Jimsonweed	6	Sida, Prickly	3
Kochia	6 <sup>4</sup>	Smartweed, Ladysthumb	3
Lambsquarters, Common	6	Smartweed, Pennsylvania	3
Mallow, Common	3	Sunflower, Volunteer	8 <sup>4</sup>
Mallow, Venice	3 <sup>5</sup>	Sunflower, Wild (Common)	8 <sup>4</sup>
Marestail (Horseweed)	6 <sup>4</sup>	Thistle, Canada	6 <sup>5</sup>
Morningglories	6 <sup>5</sup>	Thistle, Russian	4
Mustards	6	Velvetleaf	8 <sup>4</sup>
Nightshade, Black	6	Waterhemp, Common	6 <sup>4</sup>
Nightshade, Eastern Black	6	Waterhemp, Tall	6 <sup>4</sup>

<sup>1</sup>For best performance, add atrazine at 0.5 lb/A minimum + MSO at 1 gal/100 gal + AMS at 2.5 lb/A.

<sup>3</sup>For best performance, apply before weeds exceed the maximum size or vine length listed.

<sup>4</sup>A rate of 1.0 fl oz/A is recommended if maximum weed size is reached. <sup>5</sup>Indicates growth suppression.

<sup>2</sup>Refer to Section IX of Impact label for a list of scientific names.

### Grass Weeds Controlled by Impact at 0.75 or 1.0 fl oz/A and Maximum Recommended Weed Height in Inches at Application<sup>1</sup>

Annual Grass Weeds <sup>2,3,4</sup>	Impact at 0.75 fl oz/A	Impact at 1.0 fl oz/A	Annual Grass Weeds <sup>2,3,4</sup>	Impact at 0.75 fl oz/A	Impact at 1.0 fl oz/A
Barnyardgrass	4 - C	5 - C	Goosegrass	3 - C	4 - C
Crabgrass, Large	3 - C	4 - C	Johnsongrass, Seedling	4 - PC	4 - C
Crabgrass, Smooth	3 - C	4 - C	Millet, Wild-Proso	3 - C	4 - C
Cupgrass, Woolly	3 - PC	3 - C	Panicum, Fall	3 - PC	3 - C
Foxtail, Giant	4 - C	5 - C	Panicum, Texas	3 - PC	3 - PC
Foxtail, Green	3 - C	4 - C	Shattercane	4 - PC	4 - PC
Foxtail, Yellow	3 - PC	3 - C	Signalgrass, Broadleaf	3 - PC	3 - C

<sup>1</sup>For best performance, add atrazine at 0.5 lb/A minimum + MSO at 1 gal/100 gal + AMS at 2.5 lb/A.

<sup>3</sup>For best performance, apply before grasses exceed the maximum size listed in this table.

<sup>4</sup>C = Control, PC = Partial Control of grass weeds with Impact at rates shown.

<sup>2</sup>Refer to Section IX of Impact label for a list of scientific names.

#### Impact: The Postemergence Power in Resistance Management

#### Weed Resistance Management Programs in Glyphosate Tolerant Corn Hybrids:

Apply Impact at 0.75 fl oz/A in tank mixtures with glyphosate for control of glyphosate tolerant or resistant weed species. Use spray adjuvant, and include ammonium sulfate, as recommended on the glyphosate product label.

