

Midwest Edition

# POSTEMERGENCE APPLICATION GUIDELINES IN CORN



<b>Labeled Crops</b>	<ul style="list-style-type: none"> <li>All types of field corn, seed corn, popcorn and sweet corn</li> </ul>
<b>Recommended Rate</b>	<ul style="list-style-type: none"> <li>8.0 to 10.7 fl oz/A, see the reverse 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 2.0–2.5 lb/A or UAN 28% at 3 pt/A</li> <li>When tank-mixing with glyphosate, use MSO at 2 qt/100 gal and AMS at label rates</li> <li>Increase rate of MSO to 1.5 gal/100 gal during periods of hot, dry weather or when weeds reach maximum label height</li> </ul>
<b>Tank Mix Partners</b>	<ul style="list-style-type: none"> <li>Residual soil herbicides such as acetochlor and S-metolachlor – including premixes with atrazine</li> <li>Other partners include glyphosate, Liberty® and Status®</li> </ul>
<b>Application Window</b>	<ul style="list-style-type: none"> <li>Optimum timing of most labeled weeds is 2- to 4-inch weed size and corn stage V2 to V4</li> <li>ImpactZ may be applied to corn up to 12 inches in height</li> </ul>
<b>Application Guidelines</b>	<ul style="list-style-type: none"> <li>Recommended water volume: Apply in 15 gal/A by ground and 4 gal/A by air to obtain thorough coverage</li> <li>For ground applications, flat fan spray nozzles are recommended to thoroughly cover weeds with spray droplets</li> <li>Application should be made a minimum of <b>four hours</b> before rainfall or irrigation</li> </ul>
<b>Insecticide Guidelines</b>	<ul style="list-style-type: none"> <li>No label restrictions with either soil applied or foliar insecticides registered for use on corn</li> </ul>

## Mixing Order Recommendation for ImpactZ Plus Other Components, Including Spray Adjuvants

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| <ol style="list-style-type: none"> <li>1. Fill spray tank <math>\frac{1}{2}</math> to <math>\frac{3}{4}</math> full with clean water</li> <li>2. Add soluble packet products, if included, and thoroughly mix</li> <li>3. Add dry or liquid nitrogen fertilizers (AMS or UAN*)</li> <li>4. Add <b>ImpactZ</b> herbicide</li> <li>5. Add WP (wetable powder), DG (dispersible granule), DF (dry flowable) or F (liquid flowable) formulations</li> </ol> | <ol style="list-style-type: none"> <li>6. Add EC (emulsifiable concentrate) formulations</li> <li>7. Add spray adjuvants (MSO or HSMOC**) to the spray tank</li> <li>8. Fill the remainder of the tank with water</li> </ol> <p>*Nitrogen fertilizer, in addition to adjuvant, must also be added. UAN (28–32%) at 1.25–2.5% v/v or AMS at 8.5–17 lb/100 gal is recommended.</p> <p>**MSO at 1.0–1.5% v/v or High Surfactant Methylated Oil Concentrate at label rate is required.</p> <p>(Refer to label for full tank mix directions for use)</p> |
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## ImpactZ – Postemergence Application Guidelines in Corn

### Broadleaf Weeds Controlled by ImpactZ at 8.0–10.7 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> 8.0–10.7 fl oz/A	Annual Broadleaf Weeds <sup>2</sup>	Maximum Size (Inches) <sup>3</sup> 8.0–10.7 fl oz/A
Amaranth, Palmer	6 <sup>4</sup>	Nightshade, Eastern Black	6
Amaranth, Powell	6	Nightshade, Hairy	6
Buckwheat, Wild	3	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	Ragweed, Common	6
Devil's Claw	4 <sup>4</sup>	Ragweed, Giant	8 <sup>4</sup>
Galinsoga, Hairy	6	Shepherd's-purse	4
Henbit	4	Sida, Prickly	3
Jimsonweed	6	Smartweed, Ladysthumb	3
Kochia	6 <sup>4</sup>	Smartweed, Pennsylvania	3
Lambsquarters, Common	6	Sunflower, Common	8 <sup>4</sup>
Mallow, Common	3	Thistle, Canada	6
Mallow, Venice	3	Thistle, Russian	4
Marestail (Horseweed)	6 <sup>4</sup>	Velvetleaf	8 <sup>4</sup>
Morningglories	6	Waterhemp, Common	6 <sup>4</sup>
Mustards	6	Waterhemp, Tall	6 <sup>4</sup>
Nightshade, Black	6		

<sup>1</sup>Refer to EPA label for information on best management and stewardship practices regarding herbicide resistance

<sup>2</sup>Refer to Section X of ImpactZ label for list of scientific names

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

<sup>4</sup>A rate of 10.7 fl oz/A is recommended if maximum weed size is reached

### Grass Weeds Controlled by ImpactZ at 8.0 or 10.7 fl oz/A and Maximum Recommended Weed Height in Inches at Application<sup>1</sup>

Annual Grass Weeds <sup>2,3,4</sup>	ImpactZ at 8.0 fl oz/A	ImpactZ at 10.7 fl oz/A	Annual Grass Weeds <sup>2,3,4</sup>	ImpactZ at 8.0 fl oz/A	ImpactZ at 10.7 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	3-PC	4-PC
Foxtail, Yellow	3-PC	3-C	Signalgrass, Broadleaf	3-PC	3-C

<sup>1</sup>Refer to EPA label for information on best management and stewardship practices regarding herbicide resistance

<sup>2</sup>Refer to Section X of ImpactZ label for list of scientific names

<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 ImpactZ at rates shown

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