

Southern Edition

# POSTEMERGENCE APPLICATION GUIDELINES IN CORN



<b>Active Ingredients</b>	<ul style="list-style-type: none"> <li>• Topramezone: 0.26 pounds of topramezone free acid per gallon</li> <li>• Atrazine: 4 pounds of atrazine per gallon</li> </ul>
<b>Labeled Crops</b>	<ul style="list-style-type: none"> <li>• All types of field corn, sweet corn and popcorn including inbreds* of these corn types and between crop applications</li> </ul> <p><small>*Refer to seed company recommendations before application of <b>ImpactZ</b>® Herbicide on inbred lines</small></p>
<b>Recommended Rate</b>	<ul style="list-style-type: none"> <li>• 8.0 to 10.7 fl oz/A (0.016 to 0.022 pounds of topramezone and 0.25 to 0.33 pounds of atrazine), 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% v/v (1 gal/100 gallons of water) plus AMS at 2.0–2.5 pounds per acre or UAN 28–34% at 3 pints per acre</li> <li>• When tank-mixing with glyphosate, use MSO at 2 quarts per 100 gallons of water and AMS at label rates</li> <li>• Increase rate of MSO to 1.5% v/v (1.5 gallons per 100 gallons of water) 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 containing acetochlor and S-metolachlor – including premixes of these with atrazine</li> <li>• Other partners include glyphosate and glufosinate</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</li> <li>• <b>ImpactZ</b> Herbicide 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 gallons per acre by ground and 4 gallons per acre 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> <li>• When used as directed, <b>ImpactZ</b> may be safely applied following an at-plant application of AMVAC's COUNTER® 20G Insecticide/Nematicide</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, 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 (wetttable powder), DG (dispersible granule), DF (dry flowable) or F (liquid flowable) formulations</li> <li>6. Add EC (emulsifiable concentrate) formulations</li> </ol> | <ol style="list-style-type: none"> <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><small>*Nitrogen fertilizer, in addition to adjuvant, must also be added. UAN (28–34%) at 3 pints per acre or AMS at 2.0 to 2.5 pounds per acre is recommended.</small></p> <p><small>**MSO at 1.0–1.5% v/v or High Surfactant Methylated Oil Concentrate at label rate is required.</small></p> <p><small>(Refer to label for full tank mix directions for use)</small></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</sup>	ImpactZ at 8.0 fl oz/A	ImpactZ at 10.7 fl oz/A	Annual Grass Weeds <sup>2,3</sup>	ImpactZ at 8.0 fl oz/A	ImpactZ at 10.7 fl oz/A
Barnyardgrass	4	5	Goosegrass	3	4
Crabgrass, Large	3	4	Johnsongrass, Seedling	4 <sup>4</sup>	4
Crabgrass, Smooth	3	4	Millet, Wild-Proso	3	4
Cupgrass, Woolly	3 <sup>4</sup>	3	Panicum, Fall	3 <sup>4</sup>	3
Foxtail, Giant	4	5	Panicum, Texas	3 <sup>4</sup>	3 <sup>4</sup>
Foxtail, Green	3	4	Shattercane	3 <sup>4</sup>	4 <sup>4</sup>
Foxtail, Yellow	3 <sup>4</sup>	3	Signalgrass, Broadleaf	3 <sup>4</sup>	3

<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>Partial Control of grass weeds with ImpactZ at rates shown

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