

POSTEMERGENCE APPLICATION GUIDELINES IN CORN

Active Ingredient	<ul style="list-style-type: none"> • Topramezone: 2.8 pounds of topramezone free acid per gallon.
Labeled Uses	<ul style="list-style-type: none"> • All types* of field corn, popcorn, sweet corn and between crop applications. *Including inbreds. Refer to seed company recommendations before application of Impact® Herbicide on inbred lines.
Recommended Rate	<ul style="list-style-type: none"> • 0.75–2.0 fl oz/A (0.016–0.044 lb topramezone), see the reverse page for use rates on specific weeds.
Tank Additives for Best Performance	<ul style="list-style-type: none"> • AMS at 2–3 lb/A or UAN 28–32% at 2.5 gal/100 gal of water. <ul style="list-style-type: none"> • Provides ammonium ion transport of weak acid herbicides to site of action. • Liquid AMS (3.4 lb AMS/gal) at 5–7 pt/A may be substituted. • MSO at 1–1.5% v/v (1–1.5 gal/100 gal of water), containing minimum 10% emulsifier. <ul style="list-style-type: none"> • Provides more effective leaf cuticular wax penetration than other adjuvants. • Use higher rate during periods of hot, dry weather and to larger weeds. • With glyphosate tank mixtures, use 0.5% v/v (2 qt/100 gal of water) and AMS.
Tank Mix Partners	<ul style="list-style-type: none"> • Atrazine is recommended at 0.25–1.0 lb/A. For a second effective mode of action, 1 lb/A minimum is recommended. • Other partners include glyphosate, glufosinate, Status®, DiFlexx® and residual corn herbicides.
Application Window	<ul style="list-style-type: none"> • Optimum timing is 2- to 4-inch height, weed species dependent. • Impact® Herbicide may be applied up to 45 days before harvest.
Application Guidelines	<ul style="list-style-type: none"> • Recommended water volume: Apply in 15 gal/A by ground and 4 gal/A by air to obtain thorough coverage. • For ground applications, flat-fan nozzles delivering medium droplets (250–400 micron) are recommended. • Drop nozzles and/or higher spray volume are recommended if the crop canopy prevents adequate spray coverage of weeds. • Application should be made a minimum of one hour before rainfall or irrigation.
Insecticide Guidelines	<ul style="list-style-type: none"> • Impact Herbicide may be safely applied following a soil-applied organophosphate insecticide, such as COUNTER 20G, or tank-mixed with a foliar-applied insecticide.

Impact Tank-Mixing Order Recommendation

1. Fill spray tank $\frac{1}{2}$ to $\frac{3}{4}$ full with clean water.
2. Add dry or liquid nitrogen fertilizers (AMS or UAN).
3. Add **Impact Herbicide**.
4. Add WP (wetttable powder), DG (dispersible granule), DF (dry flowable) or F (liquid flowable) formulations.
5. Add EC (emulsifiable concentrate) formulations.
6. Add spray adjuvants (MSO).
7. Fill the remainder of the tank with water.
(Refer to label for full tank mix directions for use)

Impact Aerial Application Guidelines

- AMS at 1 lb/A or UAN at 1 qt/A
- plus**
- Impact** at 0.75 –2.0 fl oz/A
- plus**
- Atrazine 4L at 0.5–1.0 pt/A (if corn height allows)
- plus**
- Methylated seed oil (MSO) at 0.5 pt/A
- Application volume of 4 gal/A recommended for thorough coverage
 - Approved drift-reducing additive may be added in the tank-mix after MSO

Impact – Postemergence Application Guidelines in Corn

Emerged Broadleaf Weeds Controlled or Partially Controlled with IMPACT at 0.75 to 1.0 fl oz/A and Maximum Weed Size at Application¹

Broadleaf Weeds ²	IMPACT rate (fl oz/A) ³		Broadleaf Weeds ²	IMPACT rate (fl oz/A) ³	
	0.75	1.0		0.75	1.0
	up to 4 inches	up to 6 inches		up to 4 inches	up to 6 inches
Amaranth, Palmer	C	C	Morningglory, ivyleaf	C ^{4,5}	C ^{4,5}
Amaranth, Powell	C	C	Mustard, wild	C	C
Bindweed, field	PC	PC	Nightshade, black	C	C
Burcucumber	C ^{4,5}	C ⁵	Nightshade, Eastern black	C	C
Buckwheat, wild	NC	C ^{4,5}	Nightshade, hairy	C	C
Canola, volunteer	C	C	Pigweed, prostrate	C	C
Carpetweed	C	C	Pigweed, redroot	C	C
Chickweed, common	C	C	Pigweed, smooth	C	C
Cocklebur, common	C	C	Pigweed, tumble	C	C
Dandelion	PC	PC	Purslane, common	PC ⁴	C ^{4,5}
Devil's-claw	C ^{4,5}	C ⁵	Pusley, Florida	C ⁴	C
Galinsoga, hairy	C	C	Ragweed, common	C	C
Henbit	C	C	Ragweed, giant	C	C
Jimsonweed	C	C	Shepherd's-purse	C	C
Kochia	C ⁵	C ⁵	Sida, prickly	C ^{4,5}	C ⁵
Ladysthumb	C ⁵	C ⁵	Smartweed, Pennsylvania	C ⁵	C ⁵
Lambsquarters, common	C	C	Sunflower, wild (common)	C	C
Lettuce, prickly	C	C	Thistle, Canada	PC ⁴	PC
Mallow, common	C ^{4,5}	C ^{4,5}	Thistle, Russian	C	C
Mallow, Venice	C ^{4,5}	C ^{4,5}	Velvetleaf	C	C
Marestail (horseweed)	C	C	Waterhemp, common	C	C
Morningglory, entireleaf	C ^{4,5}	C ^{4,5}	Waterhemp, tall	C	C

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

²Refer to Section X of the EPA label for a list of scientific names.

³Broadleaf Weed Rating: C=Control; PC=Partial Control; NC=Not Controlled.

⁴Apply before weed exceeds 3 inches in height.

⁵The addition of atrazine at minimum 0.5 lb per acre is required for control.

Emerged Grass Weeds Controlled or Partially Controlled with IMPACT at 0.75 to 2.0 fl oz/A and Maximum Weed Size at Application¹

Grass Weeds ²	IMPACT rate (fl oz/A) ³			Grass Weeds ²	IMPACT rate (fl oz/A) ³		
	0.75	1.0	1.5 – 2.0		0.75	1.0	1.5 – 2.0
	up to 3 Inches	up to 4 Inches	up to 4 Inches		up to 3 Inches	up to 4 Inches	up to 4 Inches
Barnyardgrass	C ⁶	C	C	Johnsongrass, rhizome	NC	NC	PC ⁵
Crabgrass, large	C ⁶	C ⁶	C	Johnsongrass, seedling	PC	C	C
Crabgrass, smooth	C ⁶	C ⁶	C	Millet, wild-proso	C	C	C
Cupgrass, woolly	PC	C ⁴	C	Panicum, fall	PC	C ^{4,6}	C
Foxtail, giant	C	C	C	Panicum, Texas	PC	PC	C ^{5,6}
Foxtail, green	C ⁶	C	C	Sandbur, field	NC	PC	C ^{5,6}
Foxtail, yellow	PC	C ^{4,6}	C	Shattercane	PC	PC	C ^{5,6}
Goosegrass	C	C	C	Signalgrass, broadleaf	PC	C ^{4,6}	C ⁶

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

²Refer to Section X of the EPA label for a list of scientific names.

³Grass Weed Rating: C=Control; PC=Partial Control; NC = Not Controlled.

⁴Apply before grass exceeds 3 inches in height.

⁵For best performance on these grass weeds use a rate of 2 fl oz per acre.

⁶The addition of atrazine at minimum 0.5 lb per acre is required for control.

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