

# IMPACT® FAMILY OF HERBICIDES



**IMPACT**  
Herbicide

## Impact® Herbicide

Impact® Herbicide is the Standard in Corn Safety®, with outstanding postemergence control of broadleaf weeds and remarkable grass control. It's a great alternative to glyphosate-based herbicides and can be applied up to 45 days before harvest. Impact is now approved for application of up to 2 fl oz/A per season in either single or sequential applications in corn.



**IMPACT Z**  
Herbicide

## ImpactZ® Herbicide

ImpactZ® Herbicide gives you control of grass and broadleaf weeds with a kick of atrazine in one easy-to-use formulation that can be applied from weed emergence up to 12" corn.



**IMPACT**  
HERBICIDE **CORE**

## Impact Core® Herbicide

Impact Core® Herbicide controls grass and broadleaf weeds with the proven takedown power of Impact Herbicide, plus a robust level of acetochlor for lasting residual. Impact Core can be applied from emergence up to 11" corn.



**Sinate**  
HERBICIDE

## Sinate® Herbicide

Sinate® Herbicide provides a powerful combination of topramezone, the active ingredient in Impact Herbicide, and glufosinate to aid in the fight against selection of herbicide-resistant weeds. Sinate provides growers a great option to battle herbicide-resistant weeds. Applications allowed on LibertyLink® corn from emergence through growth stage V6 in sweet corn or V7 in field corn.

See our entire line of products at [AMVAC.com](http://AMVAC.com)

# IMPACT® FAMILY OF HERBICIDES

## Select the right product for your situation:

To best maximize the performance of the Impact family of herbicides for your specific situation, it is important to use the right rate of each product, at the right time, with the right tank additives.

### Best Management Practices - Midwest U.S. - Impact Brand Family

Product	Crop Stage	Weed Height	Tank Additives*	Droplet Size**	Carrier Volume	Aerial Application	Rain Free Interval	Labeled Crops	Soil Applied Insecticide Compatibility
<b>Impact</b>	Postemerge, Up to 45 Days Prior to Harvest	Up to 4 Inches	MSO + AMS	Medium to Coarse	15 GPA	Yes	1 hr	Field Corn, Popcorn, Seed Corn, Sweet Corn	Aztec®, Counter®, Force®, Index®, SmartChoice®, Xpedient® Plus V
<b>ImpactZ</b>	Postemerge, Up to 12 Inch Corn	Up to 4 Inches	MSO + AMS	Medium to Coarse	15 GPA	Yes	4 hr	Field Corn, Popcorn, Seed Corn, Sweet Corn	Aztec, Counter, Force, Index, SmartChoice, Xpedient Plus V
<b>Impact Core</b>	Postemerge, Up to 11 Inch Corn	Up to 3 Inches	Tank Mix Partner Dependent - See Label	Medium to Coarse	15 GPA	No	1 hr	Field Corn, Popcorn, Seed Corn	Aztec, Counter, Force, Index, SmartChoice, Xpedient Plus V
<b>Sinate</b>	Postemerge, Up to 24 Inch Corn	Up to 3 Inches	MSO + AMS	Medium to Coarse	Minimum 15 GPA	Yes	4 hr	LibertyLink Field Corn, LibertyLink Sweet Corn	Aztec, Counter, Force, Index, SmartChoice, Xpedient Plus V

\*MSO provides more effective leaf cuticular wax penetration than other adjuvants. Ammonium (in AMS) allows herbicide transport across cell membranes to the site of action.

\*\* Medium to Coarse = 250-400 micron sized droplets.

### Utilizing Maximum Impact Rates for Specific Situations

Product	Maximum Use Rate	Incremental Impact 2.8 SC Allowed*
<b>Impact</b>	2.0 fl oz/A per season	-
<b>ImpactZ</b>	10.7 fl oz/A per season	1 fl oz/A
<b>Impact Core</b>	40.0 fl oz/A per season	1 fl oz/A
<b>Sinate</b>	28.0 fl oz/A per season**	1 fl oz/A***

\*Based on Maximum Use Rate

\*\*21 fl oz/A per season on LibertyLink sweet corn

\*\*\*1.25 fl oz/A incremental Impact allowed on LibertyLink sweet corn

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