

REGIONAL HERBICIDE RECOMMENDATIONS

Iowa, Minnesota, North Dakota and South Dakota

As weeds continue to develop resistance to glyphosate and other herbicides, growers have to modify and diversify their weed management programs. Resistance Fighter[®] from Syngenta provides education, a comprehensive herbicide portfolio and local recommendations that help growers and retailers effectively manage resistant weeds in their specific area.

CORN (GLYPHOSATE TOLERANT) *Problem weeds: pigweed species, foxtail species, velvet leaf, lambsquarters, giant ragweed, horseweed/marestail, woolly cupgrass, morningglory*

Burndown or early spring application	At-planting or pre-emergence	In-crop ¹
Gramoxone [®] SL 2.0 + 2,4-D OR Dicamba* + ATZ Follow 2,4-D and Dicamba rate and preplant restrictions	Bicep II Magnum [®] 1.3 to 1.6 qt/A	Halex [®] GT 3.6 to 4.0 pt/A + AAtrex [®] 4L 0.5-1 qt/A ³
		OR
	Acuron [®] 1.5 qt/A	Halex GT 3.6 to 4.0 pt/A + AAtrex 4L 0.5-1 qt/A ³
		OR
	Acuron ² 3qt/A	
		OR
	Acuron Flexi 1.3 qt/A	Halex GT 3.6 to 4.0 pt/A ³
		OR
	Bicep Lite II Magnum [®] 1.3 to 1.6 qt/A	Acuron 2 qt/A + Glyphosate
		OR
	Acuron 1.5 qt/A	Acuron 1.5 qt/A + Glyphosate

*Please refer to specific dicamba product labels for tank mix and use restrictions.

CORN (CONVENTIONAL) *Problem weeds: pigweed species, foxtail species, velvetleaf, lambsquarters, giant ragweed, horseweed/marestail, morningglory*

Burndown or early spring application	At-planting or pre-emergence	In-crop ^{1,4}
Gramoxone SL 2.0 + 2,4-D OR Dicamba* + ATZ Follow 2,4-D and Dicamba rate and pre-plant restrictions	Bicep II Magnum 1.5 to 2.2 qt/A	Callisto [®] Xtra 24 oz/A ³
		OR
	Acuron 1.5 qt/A	Acuron 1.5 qt/A ³
		OR
	Acuron ² 3 qt/A	
		OR
	Bicep Lite II Magnum 1.5 qt/A	Acuron 2 qt/A ³
		OR
	Bicep Lite II Magnum 1.5 to 2.2 qt/A	Callisto Xtra 24 oz/A + Accent [®] Q 0.33 to .66 oz/A ³

*Please refer to specific dicamba product labels for tank mix and use restrictions.

¹Dicamba can be added to recommendations below for glyphosate broadleaf weed-resistant populations. ²For easy-to-control, non-glyphosate-resistant grass; light weed populations. ³Check with your local Syngenta representative or retailer for correct adjuvants. ⁴Add Accent at the time of application if there is emerged grass.

SOYBEAN (GLYPHOSATE TOLERANT) Problem weeds: pigweed species, foxtail species, velvetleaf, lambsquarters, giant ragweed, horseweed/marestail, woolly cupgrass, morningglory

Early burndown	Burndown	At-Planting or pre-emergence	In-crop	Late-season	Harvest aid
Glyphosate OR Gramoxone SL 2.0 + 2,4-D OR Dicamba* Follow 2,4-D and Dicamba rate and preplant restrictions	Gramoxone SL 2.0 ⁵	Boundary [®] 1.5 to 2 pt/A	Prefix [®] 2 to 2.33 pt + Glyphosate OR Flexstar [®] GT 3.5 3.5 pt/A	Glyphosate	Gramoxone SL 2.0 - apply when soybean seeds have reached physiological maturity 1 pt/A
		OR			
		BroadAxe [®] XC 19 to 25 oz/A	Prefix 2 to 2.33 pt + Glyphosate OR Flexstar GT 3.5 3.5 pt/A		
		OR			
		Boundary 1.5 to 2 pt/A	Prefix 2 to 2.33 pt + Glyphosate OR Flexstar GT 3.5 3.5 pt/A + Dual Magnum [®] 1 pt/A		
		OR			
BroadAxe XC 19 to 25 oz/A	Prefix 2 to 2.33 pt + Glyphosate OR Flexstar GT 3.5 3.5 pt/A + Dual Magnum 1 pt/A				
OR					
BroadAxe XC 19 to 25 oz/A + Metribuzin 5 to 8 oz/A	Prefix 2 to 2.33 pt + Glyphosate OR Flexstar GT 3.5 3.5 pt/A + Dual Magnum 1 pt/A				

*Please refer to specific dicamba product labels for tank mix and use restrictions.

SOYBEAN (LIBERTYLINK[®]) Problem weeds: pigweed species, foxtail species, velvetleaf, lambsquarters, giant ragweed, horseweed/marestail, woolly cupgrass, morningglory

Early burndown	Burndown	At-planting or pre-emergence	In-crop	Late-season	Harvest aid
Glyphosate OR Gramoxone SL 2.0 + 2,4-D OR Dicamba* Follow 2,4-D and Dicamba rate and preplant restrictions	Gramoxone SL 2.0 ⁶	Prefix 2 to 2.33 pt/A	Dual [®] 1 pt/A + Liberty [®] 29 fl oz/A	Liberty 29 fl oz/A	Gramoxone SL 2.0 - apply when soybean seeds have reached physiological maturity
		OR			
		Boundary 1.5 to 2 pt/A	Prefix OR Dual Magnum 2 pt OR 1 pt + Liberty 29 fl oz/A		
		OR			
		BroadAxe XC 19 to 25 oz/A	Prefix OR Dual Magnum 2 pt OR 1 pt + Liberty 29 fl oz/A		
		OR			
		Prefix 2 to 2.33 pt/A	Liberty 29 fl oz/A		
		OR			
Boundary 1.5 to 2 pt/A					
OR					
BroadAxe XC 19 to 25 oz/A					

*Please refer to specific dicamba product labels for tank mix and use restrictions.

¹Dicamba can be added to recommendations for glyphosate broadleaf weed-resistant populations. ²For easy-to-control light weed populations. ³Check with your local Syngenta representative or retailer for correct adjuvants. ⁴Add Accent at the time of application if there is emerged grass. ⁵If a burndown is used, the Boundary and/or BroadAxe XC will probably go out in that application. ⁶If burndown is needed, pre-emergence will probably go out with it.



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