

A glyphosate-resistant kochia plant tumbled through a no-till field sprayed with glyphosate.

- Glyphosate-resistant kochia has been confirmed in Colorado, Nebraska, and Wyoming
- The key for successful kochia management is to add diversity to your weed management programs especially early in the growing season
- a) Add herbicides with soil residual that provide kochia control like Nortron @ 32 oz/A
- b) Diversify herbicide programs by never using glyphosate alone, tank mix it with herbicides with different modes of action that have efficacy on kochia such as UpBeet @ 0.5 oz/A or Progress @ 32 oz/A
- c) Develop proactive kochia control programs in crops grown in rotation with sugarbeet





## Managing Glyphosate-Resistant Kochia in Western Nebraska and Southeastern Wyoming

Adding Herbicide Diversity in Corn for Kochia Control					
		Rotational Crops			
Herbicide used in corn	Sugarbeet	Dry bean	Small grain		
		(months)			
Preemergence					
Sharpen @ 2 oz/A + Prowl H₂O @ 32 oz/A	12	12	4-12+		
TripleFlex @ 1.5 pt/A	24	12	4		
Valor @ 2 oz/A	12	3	3		
Verdict @ 12 oz/A	12	12	4		
Zidua @ 2 oz/A + Prowl H₂O @ 32 oz/A	12	?	?		
Postemergence with glyphosate					
Armezon @ 0.5 oz/A	18	9	3		
Clarity @ 8 oz/A	4	4	1		
Laudis @ 3 oz/A + Buctril @ 6 oz/A	18	12*	4		
Prowl H <sub>2</sub> O @ 32 oz/A	12	0	4-12+		
Require Q @ 4 oz/A	10	10	9		
Resolve Q @ 1.2 oz/A	10	10	9		
Status @ 5 oz/A	4	4	1		
Starane Ultra @ 7 oz/A	12	12	4		
*Crops grown under sprinkler irrigation	+ :	+ 12 months for oats			

Adding Herbicide Diversity in Small Grains for Kochia Control						
	Rotational Crops					
Herbicide used in small grain	Sugarbeet	Dry bean	Corn			
	(months)					
Postemergence						
Bronate Advanced @ 19 oz/A	2	1.5	1			
Huskie @ 13.5 oz/A + MCPA @ 12 oz/A	9	9	9			
Starane NXT @ 14 oz/A	12	12	12			

Adding Herbicide Diversity in Dry Bean for Kochia Control					
	Rotational Crops				
Herbicide used in dry bean	Sugarbeet	Corn	Small grain		
	(months)				
At planting					
Prowl H₂O @ 32 oz/A	12	12	4-12+		
Sonalan @ 32 oz/A	12	12	12		
Postemergence					
Raptor @ 4 oz/A + Basagran @ 16 oz/A	18-26*	8.5	4-9+		
*Dry bean grown under sprinkler irrigation	+ Oats more sensitive than wheat or barley				