

Herbicide Resistant Crop Demo Plots - Soybeans

Treatment	Rate (product/A)	Roundup Ready					
		Yeff		Cola		Pesw	
		6/30	9/4	6/30	9/4	6/30	9/4
		(% control)					
<u>Preplant incorporate/POST (2 to 4-inch weeds)</u>							
Treflan/Roundup Ultra+AMS	1.5 pt/1.5 pt+2 lb	97	98	97	100	99	98
<u>POST (2 to 4-inch weeds)</u>							
Roundup Ultra + AMS	2.0 pt + 2 lb	97	70	96	95	96	98
<u>STS</u>							
<u>PRE/POST (2 to 4-inch weeds)</u>							
Cover/Assure II+Reliance STS	4.0 oz/7 oz + 0.5 oz	87	53	86	75	98	88
+COC+28%N	+1.6 pt+2 qt						
Cover/Post Plus+Reliance STS	1.5 pt + 0.5 oz	96	81	92	81	97	83
+COC+28%N	+ 1.6 pt + 2 qt						
<u>Liberty-Link</u>							
<u>Preplant incorporate/POST (2 to 4-inch weeds)</u>							
Treflan/Liberty + AMS	1.5 pt/20 oz + 2 lb	97	98	94	94	99	96
<u>POST (2 to 4-inch weeds)/Regrowth (2 to 4-inch weeds)</u>							
Liberty + AMS	20 oz + 2 lb	93	83	38	73	100	91
	LSD (0.10)	3	9	4	6	3	5

Date	Application information		
	May 9	May 10	June 10
Treatment	PPI	PRE	POST
Temperature (F)			
air	60	62	83
soil (4 inch)	58	52	70
Relative humidity (%)	35	40	27
Wind (mph)	NW 5-8	S 8	calm
Sky	sunny	sunny	clear
Soil moisture	dry	dry	dry
Soybean			
leaf no.	—	—	1st trif.
height (inch)	—	—	4
Yellow foxtail			
leaf no.	—	—	2 to 4
height (inch)	—	—	1 to 3
no./ft ²	—	—	34
Common lambsquarters			
leaf no.	—	—	3 to 5
height (inch)	—	—	1 to 3
no./ft ²	—	—	19
Pennsylvania smartweed			
leaf no.	—	—	2 to 3
height (inch)	—	—	2 to 3
no./ft ²	—	—	2
Rainfall after application (inch)			
1 week	0.02	0.02	0.0
2 week	0.04	0.29	1.34
3 week	0.54	0.29	3.31