

Herbicide Resistant Crop Demo Plots - Corn

IMI Corn

Treatment	Rate (product/A)	<u>Yeft</u>		<u>Cola</u>		<u>Pesw</u>	
		6/30	9/4	6/30	9/4	6/30	9/4
		———— (% control) ————					
<u>Preemergence/POST (2 to 4-inch weeds)</u>							
Surpass/Resolve + Sun IT II + 28%N	2.0 pt/5.33 oz + 1.5 pt + 1qt	96	86	97	100	100	99
<u>POST (2 to 4-inch weeds)</u>							
Lightning + Barvel + Sun IT II + 28%N	1.28 oz + 6 oz + 1.5 pt + 1qt	95	95	97	100	100	100

SR Corn

<u>Preemergence/POST (2 to 4-inch weeds)</u>							
Surpass/Post Plus + Laddok + COC + 28%N	2.0 pt/1.0 pt + 1.6 pt + 1 qt + 2 qt	97	70	99	100	99	99
<u>POST (2 to 4-inch weeds)</u>							
Post Plus + Laddok + COC + 28%N	1.5 pt + 1.6 pt + 1 qt + 2 qt	92	68	98	100	100	100

Liberty-Link Corn

<u>Preemergence/POST (2 to 4-inch weeds)</u>							
Harness/Liberty + AMS	1.75 pt/20 oz + 2 lb	99	95	28	8	100	98
<u>POST (2 to 4-inch weeds)/Regrowth (2 to 4-inch weeds)</u>							
Liberty + atrazine + AMS	20 oz + 0.5 lb + 2 lb	88	71	99	99	100	98
LSD (0.10)		3	8	3	5	ns	ns

Application information

Date	May 9	June 9
Treatment	PRE	POST
Temperature (F)		
air	60	76
soil (4 inch)	58	78
Relative humidity (%)	35	34
Wind (mph)	NW 5-8	SE 8
Sky	sunny	clear
Soil moisture	moist	dry
Corn		
leaf no.	—	3
height (inch)	—	5
Yellow foxtail		
leaf no.	—	2 to 4
height (inch)	—	2 to 4
no./ft ²	—	20
Common lambsquarters		
leaf no.	—	2 to 4
height (inch)	—	2 to 3
no./ft ²	—	33
Pennsylvania smartweed		
leaf no.	—	2 to 4
height (inch)	—	2 to 3
no./ft ²	—	6
Rainfall after application (inch)		
1 week	0.02	0.0
2 week	0.04	1.32
3 week	0.54	3.32