

Weed control in soybeans with Engenia applied PRE vs. early POST

The objective of the study was to evaluate weed control with Engenia applied PRE and POST. Soybean was planted May 22. PRE treatments were applied after planting on May 22. POST treatments were applied at emerging to unifoliate stage (June 6), 3rd trifoliate stage (June 27), and 5th trifoliate stage (July 2).

Flexstar GT was the only treatment that caused visible crop injury. Any treatment that contained Engenia + Glyphosate PRE or very early POST provided excellent control of all weeds at the June 27 evaluation. Zidua Pro + Glyphosate applied PRE did not adequately control kochia or horseweed. However, POST treatments of Engenia + Glyphosate effectively controlled any weeds that escaped the early treatments.

Table. Weed control in soybeans with Engenia applied PRE vs early POST. (1811)																		
Treatment ^f	Timing	Injury				Weed Control												
		Soybean				Kochia			Lambsquarters			Horseweed			Volunteer wheat			
		Jun-6	Jun-27	Jul-13	Jul-23	Jun-6	Jun-27	Jul-23	Jun-6	Jun-27	Jul-23	Jun-6	Jun-27	Jul-23	Jun-6	Jun-27	Jul-23	
		-----%				-----%												
Untreated		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eng + Zidua + Gly ^a	Em-Unifol	0	0	0	0	-	100	100	-	100	100	-	98	100	-	100	100	100
Eng + Zidua + Gly ^a / Flex GT ^b c	Em-Unifol / 5th trifol	0	0	28	18	-	100	100	-	100	100	-	96	100	-	100	100	100
Eng + Zidua + Gly ^a / Flex GT + Outlook ^{bc}	Em-Unifol / 5th trifol	0	0	28	18	-	100	100	-	100	100	-	96	100	-	100	100	100
Eng + Zidua + Gly ^a / Gly ^c	Em-Unifol / 5th trifol	0	0	0	0	-	100	100	-	100	100	-	97	100	-	100	100	100
Eng + Zidua + Gly ^a / Gly + Outlook ^c	Em-Unifol / 5th trifol	0	0	0	0	-	100	100	-	100	100	-	98	100	-	100	100	100
ZP + Eng + Gly ^{de} / Eng + Gly ^a	PRE / 3rd trifol	0	0	0	0	99	98	100	100	100	100	98	98	100	100	100	100	100
ZP + Eng + Gly ^{de} / Eng + Zidua + Gly ^a	PRE / 3rd trifol	0	0	0	0	99	100	100	100	100	100	100	100	100	100	100	100	100
ZP + Gly ^{cd} / Eng + Gly ^a	PRE / 3rd trifol	0	0	0	0	81	62	100	100	100	100	87	74	100	100	100	100	100
ZP + Gly ^{cd} / Eng + Zidua + Gly ^a	PRE / 3rd trifol	0	0	0	0	77	52	100	100	100	100	89	74	100	100	100	100	100
Eng + Zidua + Gly ^a / Eng + Zidua + Gly ^a	Em-Unifol / 3rd trifol	0	0	0	0	-	100	100	-	100	100	-	97	100	-	100	100	100
LSD (0.05)		NS	NS	0	0	8.0	8.2	0	0	0	0	5.4	7.3	0	0	0	0	0
^a Applied with Induce (0.25%)																		
^b Applied with Agri-Dex (1%)																		
^c Applied with AMS (5.3 gal/100 gal)																		
^d Applied with MSO (16 oz)																		
^e Applied with Intact (0.5%)																		
^f Eng=Engenia (12.8 oz); Zidua (1.33 oz); Gly=Roundup PowerMax (32 oz); ZP=Zidua Pro (4.5 oz); Flex GT=Flexstar GT (56 oz); Out=Outlook (10 oz)																		