

Table 1. Weed management strategies in Liberty Link, Roundup Ready, and conventional soybean varieties, Nashua, IA.

Treatment ^a	Rate ^b Product/Acre	Appln timing	Injury		Setfa ^c 7/18	Abuth 7/18	Amata 7/18	Cheal 7/18
			7/9	7/18				
			----- (%) -----		----- (% weed control) -----			
<u>Liberty Link Soybean Variety</u>								
Prowl H20 + Ignite 280 + AMS	2.0 pt + 22.0 fl oz + 8.5 lb	PRE + MPOST	0	0	99	90	99	99
Prowl H20 + Ignite 280 + AMS + Ignite 280 + AMS	2.0 pt + 22.0 fl oz + 8.5 lb + 22.0 fl oz + 8.5 lb	PRE + EPOST + LPOST	1	1	99	93	99	99
Ignite 280 + AMS	22.0 fl oz + 8.5 lb	EPOST	0	0	99	81	96	91
Ignite 280 + AMS	22.0 fl oz + 8.5 lb	MPOST	0	0	99	86	91	93
Ignite 280 + AMS + Ignite 280 + AMS	22.0 fl oz + 8.5 lb + 22.0 fl oz + 8.5 lb	EPOST + LPOST	1	0	99	84	95	96
Untreated	-	-	0	0	0	0	0	0
<u>Roundup Ready Soybean Variety</u>								
Prowl H20 + Roundup PowerMAX + AMS	2.0 pt + 22.0 fl oz + 8.5 lb	PRE + MPOST	0	0	99	94	99	99
Prowl H20 + Roundup PowerMAX + AMS + Roundup PowerMAX + AMS	2.0 pt + 22.0 fl oz + 8.5 lb + 22.0 fl oz + 8.5 lb	PRE + EPOST + LPOST	4	1	99	98	99	99
Roundup PowerMAX + AMS	22.0 fl oz + 8.5 lb	EPOST	5	4	99	98	99	99
Roundup PowerMAX + AMS	22.0 fl oz + 8.5 lb	MPOST	0	3	99	95	98	99
Roundup PowerMAX + AMS + Roundup PowerMAX + AMS	22.0 fl oz + 8.5 lb + 22.0 fl oz + 8.5 lb	EPOST + LPOST	4	1	99	97	99	98
Untreated	-	-	0	0	0	0	0	0
<u>Conventional Soybean Variety</u>								
Prowl H20 + Ultra Blazer + Basagran + Poast Plus + COC	2.0 pt + 0.7 pt + 1.5 pt + 1.5 pt + 2.0 pt	PRE + EPOST	76	44	99	95	99	99
Untreated	-	-	0	0	0	0	0	0
LSD (P=0.05)			2	2	0	5	3	3

^aAMS = ammonium sulfate fertilizer from Agriliance, LLC; COC = Herbimax crop oil concentrate from UAP - Loveland Industries.

^bRate = AMS rate at 8.5 lb/100 gallons.

^cSetfa = giant foxtail, Abuth = velvetleaf, Amata = common waterhemp, Cheal = common lambsquarters.

Table 2. Weed management strategies in Liberty Link, Roundup Ready, and conventional soybean varieties, Nashua, IA.

Treatment ^a	Rate ^b Product/Acre	Appln timing	Injury 7/28 - (%) -	Setfa ^c 7/28 ----- (% weed control) -----	Abuth 7/28	Amata 7/28	Cheal 7/28
<u>Liberty Link Soybean Variety</u>							
Prowl H20 + Ignite 280 + AMS	2.0 pt + 22.0 fl oz + 8.5 lb	PRE + MPOST	0	99	89	99	99
Prowl H20 + Ignite 280 + AMS + Ignite 280 + AMS	2.0 pt + 22.0 fl oz + 8.5 lb + 22.0 fl oz + 8.5 lb	PRE + EPOST + LPOST	5	99	99	99	99
Ignite 280 + AMS	22.0 fl oz + 8.5 lb	EPOST	0	99	80	93	90
Ignite 280 + AMS	22.0 fl oz + 8.5 lb	MPOST	0	99	86	91	93
Ignite 280 + AMS + Ignite 280 + AMS	22.0 fl oz + 8.5 lb + 22.0 fl oz + 8.5 lb	EPOST + LPOST	5	99	99	99	99
Untreated	-	-	0	0	0	0	0
<u>Roundup Ready Soybean Variety</u>							
Prowl H20 + Roundup PowerMAX + AMS	2.0 pt + 22.0 fl oz + 8.5 lb	PRE + MPOST	0	99	99	99	97
Prowl H20 + Roundup PowerMAX + AMS + Roundup PowerMAX + AMS	2.0 pt + 22.0 fl oz + 8.5 lb + 22.0 fl oz + 8.5 lb	PRE + EPOST + LPOST	0	99	99	99	99
Roundup PowerMAX + AMS	22.0 fl oz + 8.5 lb	EPOST	0	99	96	99	99
Roundup PowerMAX + AMS	22.0 fl oz + 8.5 lb	MPOST	0	99	97	99	99
Roundup PowerMAX + AMS + Roundup PowerMAX + AMS	22.0 fl oz + 8.5 lb + 22.0 fl oz + 8.5 lb	EPOST + LPOST	0	99	98	99	98
Untreated	-	-	0	0	0	0	0
<u>Conventional Soybean Variety</u>							
Prowl H20 + Ultra Blazer + Basagran + Poast Plus + COC	2.0 pt + 0.7 pt + 1.5 pt + 1.5 pt + 2.0 pt	PRE + EPOST	41	99	94	99	99
Untreated	-	-	0	0	0	0	0
LSD (P=0.05)			1	0	5	3	2

^aAMS = ammonium sulfate fertilizer from Agrilience, LLC; COC = Herbimax crop oil concentrate from UAP - Loveland Industries.

^bRate = AMS rate at 8.5 lb/100 gallons.

^cSetfa = giant foxtail, Abuth = velvetleaf, Amata = common waterhemp, Cheal = common lambsquarters.

Table 3. Weed management strategies in Liberty Link, Roundup Ready, and conventional soybean varieties, Nashua, IA.

Treatment ^a	Rate ^b	Appln timing	Setfa ^c 8/22	Abuth 8/22	Amata 8/22	Cheal 8/22	Yield 10/18
	Product/Acre		----- (% weed control) -----				(bu/acre)
<u>Liberty Link Soybean Variety</u>							
Prowl H20 + Ignite 280 + AMS	2.0 pt + 22.0 fl oz + 8.5 lb	PRE + MPOST	99	90	99	99	55
Prowl H20 + Ignite 280 + AMS + Ignite 280 + AMS	2.0 pt + 22.0 fl oz + 8.5 lb + 22.0 fl oz + 8.5 lb	PRE + EPOST + '	99	99	99	99	52
Ignite 280 + AMS	22.0 fl oz + 8.5 lb	EPOST	99	79	93	88	52
Ignite 280 + AMS	22.0 fl oz + 8.5 lb	MPOST	99	85	89	90	51
Ignite 280 + AMS + Ignite 280 + AMS	22.0 fl oz + 8.5 lb + 22.0 fl oz + 8.5 lb	EPOST + LPOST	99	99	99	99	54
Untreated	-	-	0	0	0	0	46
<u>Roundup Ready Soybean Variety</u>							
Prowl H20 + Roundup PowerMAX + AMS	2.0 pt + 22.0 fl oz + 8.5 lb	PRE + MPOST	99	99	99	98	52
Prowl H20 + Roundup PowerMAX + AMS + Roundup PowerMAX + AMS	2.0 pt + 22.0 fl oz + 8.5 lb + 22.0 fl oz + 8.5 lb	PRE + EPOST + LPOST	99	99	99	99	47
Roundup PowerMAX + AMS	22.0 fl oz + 8.5 lb	EPOST	99	96	99	98	45
Roundup PowerMAX + AMS	22.0 fl oz + 8.5 lb	MPOST	99	98	99	99	54
Roundup PowerMAX + AMS + Roundup PowerMAX + AMS	22.0 fl oz + 8.5 lb + 22.0 fl oz + 8.5 lb	EPOST + LPOST	99	98	99	99	47
Untreated	-	-	0	0	0	0	39
<u>Conventional Soybean Variety</u>							
Prowl H20 + Ultra Blazer + Basagran + Poast Plus + COC	2.0 pt + 0.7 pt + 1.5 pt + 1.5 pt + 2.0 pt	PRE + EPOST	99	89	99	99	28
Untreated	-	-	0	0	0	0	39
LSD (P=0.05)			0	5	3	3	6

^aAMS = ammonium sulfate fertilizer from Agriliance, LLC; COC = Herbimax crop oil concentrate from UAP - Loveland Industries.

^bRate = AMS rate at 8.5 lb/100 gallons.

^cSetfa = giant foxtail, Abuth = velvetleaf, Amata = common waterhemp, Cheal = common lambsquarters.