

Table 1. Evaluation of burndown potential of Balance Pro with Atrazine, Weedone LV4 or Sencor, Chariton, IA, 2003.

Treatment ^a	Rate Product/Acre	Appl time	Setfa	Cheal	Erica	Polpy	Tarof	Thlar
			----- (% weed control ^b on May 23) -----					
Untreated	-	-	0	0	0	0	0	0
Balance Pro 4 SC + COC	1.5 fl oz + 1.0 qt	PRE	88	68	50	63	50	50
Balance Pro 4 SC + Atrazine 90 DF + COC	1.5 fl oz + 1.0 lb + 1.0 qt	PRE	99	99	88	98	75	83
Balance Pro 4 SC + COC	2.25 fl oz + 1.0 qt	PRE	87	80	73	83	68	55
Balance Pro 4 SC + Atrazine 90 DF + COC	2.25 fl oz + 1.0 lb + 1.0 qt	PRE	99	99	90	99	82	90
Weedone LV4 3.8 SL + Balance Pro 4 SC + COC	1.0 pt + 1.5 fl oz + 1.0 qt	PRE	88	87	83	83	67	75
Weedone LV4 3.8 SL + Balance Pro 4 SC + COC	1.0 pt + 2.25 fl oz + 1.0 qt	PRE	90	92	87	88	80	87
Balance Pro 4 SC + Sencor 75 DF + COC	1.5 fl oz + 2.0 oz wt + 1.0 qt	PRE	88	96	77	90	68	75
Balance Pro 4 SC + Sencor 75 DF + COC	2.25 fl oz + 2.0 oz wt + 1.0 qt	PRE	95	98	87	95	80	88
Balance Pro 4 SC + Roundup WeatherMAX 4.5 L + NIS + AMS	1.5 fl oz + 11.0 fl oz + 0.25 % v/v + 17.0 lb/100 gal	PRE	87	70	63	50	45	55
Balance Pro 4 SC + Roundup WeatherMAX 4.5 L + NIS + AMS	2.25 fl oz + 11.0 fl oz + 0.25 % v/v + 17.0 lb/100 gal	PRE	88	77	68	72	55	77
Roundup WeatherMAX 4.5 SL + AMS	22.0 fl oz + 17.0 lb/100 gal	PRE	92	78	52	45	40	47
LSD (P=0.05)			7	10	10	10	11	11

^a COC = Herbimax crop oil concentrate from UAP- Loveland industries; NIS = Activator 90 a non-ionic surfactant from UAP - Loveland Industries; AMS = ammonium sulfate fertilizer from Agrilience, LLC.

^b % weed control = Setfa = giant foxtail, Cheal = common lambsquarters, Erica = horseweed, Polpy = Pennsylvania smartweed, Tarof = common dandelion, Thlar = field pennycress.

Table 2. Evaluation of burndown potential of Balance Pro with Atrazine, Weedone LV4 or Sencor, Chariton, IA, 2003.

Treatment ^a	Rate	Appl time	Setfa	Cheal	Erica	Polpy	Tarof	Thlar
	Product/Acre		----- (% weed control ^b on June 9) -----					
Untreated	-	-	0	0	0	0	0	0
Balance Pro 4 SC + COC	1.5 fl oz + 1.0 qt	PRE	92	99	80	92	73	98
Balance Pro 4 SC + Atrazine 90 DF + COC	1.5 fl oz + 1.0 lb + 1.0 qt	PRE	98	99	98	99	88	99
Balance Pro 4 SC + COC	2.25 fl oz + 1.0 qt	PRE	95	99	80	90	78	99
Balance Pro 4 SC + Atrazine 90 DF + COC	2.25 fl oz + 1.0 lb + 1.0 qt	PRE	99	99	99	99	90	99
Weedone LV4 3.8 SL + Balance Pro 4 SC + COC	1.0 pt + 1.5 fl oz + 1.0 qt	PRE	95	99	99	98	92	99
Weedone LV4 3.8 SL + Balance Pro 4 SC + COC	1.0 pt + 2.25 fl oz + 1.0 qt	PRE	96	99	98	98	93	99
Balance Pro 4 SC + Sencor 75 DF + COC	1.5 fl oz + 2.0 oz wt + 1.0 qt	PRE	93	99	93	90	77	99
Balance Pro 4 SC + Sencor 75 DF + COC	2.25 fl oz + 2.0 oz wt + 1.0 qt	PRE	99	99	96	99	85	99
Balance Pro 4 SC + Roundup WeatherMAX 4.5 L + NIS + AMS	1.5 fl oz + 11.0 fl oz + 0.25 % v/v + 17.0 lb/100 gal	PRE	95	99	98	83	80	99
Balance Pro 4 SC + Roundup WeatherMAX 4.5 L + NIS + AMS	2.25 fl oz + 11.0 fl oz + 0.25 % v/v + 17.0 lb/100 gal	PRE	95	99	98	90	72	99
Roundup WeatherMAX 4.5 SL + AMS	22.0 fl oz + 17.0 lb/100 gal	PRE	77	96	98	65	65	99
LSD (P=0.05)			8	1	9	8	16	1

^a COC = Herbimax crop oil concentrate from UAP- Loveland industries; NIS = Activator 90 a non-ionic surfactant from UAP - Loveland Industries; AMS = ammonium sulfate fertilizer from Agrilience, LLC.

^b % weed control = Setfa = giant foxtail, Cheal = common lambsquarters, Erica = horseweed, Polpy = Pennsylvania smartweed, Tarof = common dandelion, Thlar = field pennycress.