

**Table 1. Weed management in corn with preemergence and postemergence applied herbicides.**

Treatment <sup>a</sup>	Rate	Appl time	Corn stand <sup>b</sup>	Injury 6/10	Setfa 6/10	Abuth 6/10	Amata 6/10	Cheal 6/10	Polpy 6/10
	Product/A			- (%) - -----(%)-----					
Untreated	-	-	33	0	0	0	0	0	0
Outlook + (Marksman)	21.0 fl oz + (3.5 pt)	PRE + (EPOST)	31	0	99	35	98	82	87
G-Max Lite + (Distinct + NIS + AMS)	3.5 pt + 4.0 oz wt + 0.25% + 5.0 lb/100 gal)	PRE + (MPOST)	32	0	99	58	99	98	98
Outlook + (Distinct + Prowl H2O + NIS + AMS)	10.0 fl oz + (4.0 oz wt + 2.5 pt + 0.25% + 5.0 lb/100 gal)	PRE + (MPOST)	34	0	95	17	96	65	65
Celebrity Plus + Prowl H2O + NIS + AMS	4.67 oz wt + 2.5 pt + 0.25% + 5.0 lb/100 gal	MPOST	34	0	0	0	0	0	0
Radius + Atrazine	25.0 fl oz + 1.0 qt	PRE	34	0	96	92	98	99	98
Balance Pro + (Option + Callisto + Atrazine + MSO + AMS)	1.5 fl oz + (1.5 oz wt + 1.5 fl oz + 1.0 pt + 1.5 pt + 1.5 lb)	PRE + (MPOST)	32	0	93	67	92	93	90
Keystone + Hornet WDG	2.65 qt + 3.0 oz wt	PRE	34	0	99	83	99	99	99
Keystone + (Hornet WDG + Atrazine + COC + 28% UAN)	2.65 qt + (3.0 oz wt + 0.83 lb + 1.0% + 2.5%)	PRE + (MPOST)	33	0	98	57	99	93	91
FulTime + (Glyphomax + AMS)	2.25 qt + (2.0 pt + 2.5 lb)	PRE + (MPOST)	33	0	96	52	98	96	95
Cinch ATZ + (Steadfast + Callisto + Atrazine + COC + AMS)	2.5 pt + (0.75 oz wt + 2.0 fl oz + 4.44 oz wt + 1.0 % + 2.0 lb)	PRE + (MPOST)	33	0	96	43	96	92	78
Steadfast + Callisto + Atrazine + COC + AMS	0.75 oz wt + 2.0 fl oz + 26.7 oz wt + 1.0% + 2.0 lb	EPOST	33	0	0	0	0	0	0
Harness Xtra 5.6 SC + (Roundup WeatherMAX + AMS)	1.75 qt + (22.0 fl oz + 2.5 lb)	PRE + (MPOST)	33	0	96	60	98	96	90
Lexar	3.5 qt	PRE	33	0	99	98	99	99	99
Lumax + (Lumax)	1.5 qt + (1.5 qt)	PRE + (EPOST)	32	0	96	88	98	99	99
Bicep Lite II Magnum + (Callisto + Atrazine + COC + 28% UAN)	1.5 qt + (3.0 fl oz + 0.556 lb + 1.0% + 2.5%)	PRE + (MPOST)	33	0	96	48	96	90	93
LSD (P=0.05)			3	0	4	16	3	9	10

<sup>a</sup> NIS = Activator 90, a nonionic surfactant from UAP - Loveland Industries; AMS = ammonium sulfate fertilizer from Agrilience, LLC; MSO = methylated seed oil plus surfactant from UAP - Loveland Industries; COC = Herbimax crop oil concentrate from UAP - Loveland Industries; 28% UAN = mixture of urea and ammonium sulfate from United Suppliers.

<sup>b</sup> Corn stand per 17' 5" row-feet on June 10.

<sup>c</sup> % weed control = Setfa = giant foxtail, Abuth = velvetleaf, Amata = common waterhemp, Cheal = common lamb's quarters, Polpy = Pennsylvania smartweed.

**Table 2. Weed management in corn with preemergence and postemergence applied herbicides.**

Treatment <sup>a</sup>	Rate	Appl time	Injury 6/17	Injury 7/1	Setfa 7/1	Abuth 7/1	Amata 7/1	Cheal 7/1	Polpy 7/1
	Product/A		- (%) -	- (%) -	-----(% <sup>b</sup> )-----				
Untreated	-	-	0	0	0	0	0	0	0
Outlook + (Marksman)	21.0 fl oz + (3.5 pt)	PRE + (EPOST)	7	2	99	99	99	99	99
G-Max Lite + (Distinct + NIS + AMS)	3.5 pt + 4.0 oz wt + 0.25% + 5.0 lb/100 gal)	PRE + (MPOST)	0	3	96	96	99	98	98
Outlook + (Distinct + Prowl H2O + NIS + AMS)	10.0 fl oz + (4.0 oz wt + 2.5 pt + 0.25% + 5.0 lb/100 gal)	PRE + (MPOST)	0	2	95	92	96	93	93
Celebrity Plus + Prowl H2O + NIS + AMS	4.67 oz wt + 2.5 pt + 0.25% + 5.0 lb/100 gal	MPOST	0	7	93	92	93	93	93
Radius + Atrazine	25.0 fl oz + 1.0 qt	PRE	0	0	93	88	93	96	96
Balance Pro + (Option + Callisto + Atrazine + MSO + AMS)	1.5 fl oz + (1.5 oz wt + 1.5 fl oz + 1.0 pt + 1.5 pt + 1.5 lb)	PRE + (MPOST)	0	5	95	99	99	99	99
Keystone + Hornet WDG	2.65 qt + 3.0 oz wt	PRE	0	0	95	85	96	98	99
Keystone + (Hornet WDG + Atrazine + COC + 28% UAN)	2.65 qt + (3.0 oz wt + 0.83 lb + 1.0% + 2.5%)	PRE + (MPOST)	0	5	98	98	98	99	99
FulTime + (Glyphomax + AMS)	2.25 qt + (2.0 pt + 2.5 lb)	PRE + (MPOST)	0	0	99	99	99	99	99
Cinch ATZ + (Steadfast + Callisto + Atrazine + COC + AMS)	2.5 pt + (0.75 oz wt + 2.0 fl oz + 4.44 oz wt + 1.0 % + 2.0 lb)	PRE + (MPOST)	0	7	99	99	99	99	99
Steadfast + Callisto + Atrazine + COC + AMS	0.75 oz wt + 2.0 fl oz + 26.7 oz wt + 1.0% + 2.0 lb	EPOST	12	5	98	99	99	99	99
Harness Xtra 5.6 SC + (Roundup WeatherMAX + AMS)	1.75 qt + (22.0 fl oz + 2.5 lb)	PRE + (MPOST)	0	0	99	99	99	99	99
Lexar	3.5 qt	PRE	0	0	96	98	98	98	99
Lumax + (Lumax)	1.5 qt + (1.5 qt)	PRE + (EPOST)	0	0	99	99	99	99	99
Bicep Lite II Magnum + (Callisto + Atrazine + COC + 28% UAN)	1.5 qt + (3.0 fl oz + 0.556 lb + 1.0% + 2.5%)	PRE + (MPOST)	0	7	98	99	99	99	99
<b>LSD (P=0.05)</b>			<b>2</b>	<b>3</b>	<b>3</b>	<b>4</b>	<b>3</b>	<b>3</b>	<b>2</b>

<sup>a</sup> NIS = Activator 90, a nonionic surfactant from UAP - Loveland Industries; AMS = ammonium sulfate fertilizer from Agrilience, LLC; MSO = methylated seed oil plus surfactant from UAP - Loveland Industries; COC = Herbimax crop oil concentrate from UAP - Loveland Industries; 28% UAN = mixture of urea and ammonium sulfate from United Suppliers.

<sup>b</sup> % weed control = Setfa = giant foxtail, Abuth = velvetleaf, Amata = common waterhemp, Cheal = common lamb's quarters, Polpy = Pennsylvania smartweed.

**Table 3. Weed management in corn with preemergence and postemergence applied herbicides.**

Treatment <sup>a</sup>	Rate Product/A	Appl time	Injury 7/20	Setfa 7/20	Abuth 7/20	Amata 7/20	Cheal 7/20	Polpy 7/20
			- (%) -		-----(% <sup>b</sup> )-----			
Untreated	-	-	0	0	0	0	0	0
Outlook + (Marksman)	21.0 fl oz + (3.5 pt)	PRE + (EPOST)	2	96	99	99	99	99
G-Max Lite + (Distinct + NIS + AMS)	3.5 pt + 4.0 oz wt + 0.25% + 5.0 lb/100 gal)	PRE + (MPOST)	3	99	99	99	99	99
Outlook + (Distinct + Prowl H2O + NIS + AMS)	10.0 fl oz + (4.0 oz wt + 2.5 pt + 0.25% + 5.0 lb/100 gal)	PRE + (MPOST)	5	98	95	98	99	99
Celebrity Plus + Prowl H2O + NIS + AMS	4.67 oz wt + 2.5 pt + 0.25% + 5.0 lb/100 gal	MPOST	0	99	96	96	99	99
Radius + Atrazine	25.0 fl oz + 1.0 qt	PRE	0	90	88	92	95	96
Balance Pro + (Option + Callisto + Atrazine + MSO + AMS)	1.5 fl oz + (1.5 oz wt + 1.5 fl oz + 1.0 pt + 1.5 pt + 1.5 lb)	PRE + (MPOST)	0	96	99	99	99	99
Keystone + Hornet WDG	2.65 qt + 3.0 oz wt	PRE	0	90	85	92	95	99
Keystone + (Hornet WDG + Atrazine + COC + 28% UAN)	2.65 qt + (3.0 oz wt + 0.83 lb + 1.0% + 2.5%)	PRE + (MPOST)	0	98	99	99	99	99
FulTime + (Glyphomax + AMS)	2.25 qt + (2.0 pt + 2.5 lb)	PRE + (MPOST)	0	95	98	98	96	99
Cinch ATZ + (Steadfast + Callisto + Atrazine + COC + AMS)	2.5 pt + (0.75 oz wt + 2.0 fl oz + 4.44 oz wt + 1.0 % + 2.0 lb)	PRE + (MPOST)	0	99	99	99	99	99
Steadfast + Callisto + Atrazine + COC + AMS	0.75 oz wt + 2.0 fl oz + 26.7 oz wt + 1.0% + 2.0 lb	EPOST	0	98	99	99	99	99
Harness Xtra 5.6 SC + (Roundup WeatherMAX + AMS)	1.75 qt + (22.0 fl oz + 2.5 lb)	PRE + (MPOST)	0	95	99	98	96	99
Lexar	3.5 qt	PRE	0	96	96	98	98	99
Lumax + (Lumax)	1.5 qt + (1.5 qt)	PRE + (EPOST)	0	96	99	99	99	99
Bicep Lite II Magnum + (Callisto + Atrazine + COC + 28% UAN)	1.5 qt + (3.0 fl oz + 0.556 lb + 1.0% + 2.5%)	PRE + (MPOST)	2	98	99	99	99	99
LSD (P=0.05)			2	3	4	4	2	1

<sup>a</sup> NIS = Activator 90, a nonionic surfactant from UAP - Loveland Industries; AMS = ammonium sulfate fertilizer from Agrilience, LLC; MSO = methylated seed oil plus surfactant from UAP - Loveland Industries; COC = Herbimax crop oil concentrate from UAP - Loveland Industries; 28% UAN = mixture of urea and ammonium sulfate from United Suppliers.

<sup>b</sup> % weed control = Setfa = giant foxtail, Abuth = velvetleaf, Amata = common waterhemp, Cheal = common lam'b squarers, Polpy = Pennsylvania smartweed.