

Evaluation of preemergence burndown in corn with Alluvex

The objective of the study was to evaluate weed control with Alluvex applied preemergence in corn. Alluvex is a 1:1 ratio of Harmony and Matrix (thifensulfuron and rimsulfuron). Resolve Q is a 4.6:1 ratio of Harmony and Matrix. Realm Q is a premix of Matrix and Callisto. Corn was planted May 28 followed by the preemergence treatments on May 30. Postemergence treatments were applied on July 2. Note that all PRE and POST treatments were applied with Abundit Extra (glyphosate) + AMS.

All treatments provided good to excellent grass and broadleaf weed control. Yellow foxtail control was slightly better where Breakfree ATZ Lite or Atrazine were applied PRE.

Table. Evaluation of preemergence burndown in corn with Alluvex. (1412)									
Treatment ^{abcd}	oz pr/A	Weed control							
		Yellow foxtail		Wild buckwheat		Biennial ww		Smartweed	
		Jun-13	Aug-09	Jun-13	Aug-09	Jun-13	Aug-09	Jun-13	Aug-09
		-----%-----	-----%-----	-----%-----	-----%-----			-----%-----	-----%-----
Alluvex	1.5	97	91	99	96	99	99	100	100
Alluvex + Break	1.5 + 64	98	94	99	97	99	99	100	100
Alluvex + Atrazine	1.5 + 24	98	91	99	95	99	99	100	100
Alluvex + Break / Resolve Q	1.5 + 24 / 1.25	98	93	99	96	99	99	100	100
Alluvex / Realm Q	1.5 / 4	98	87	99	96	99	99	100	100
Verdict + MSO	14 + 1%	98	86	99	96	99	99	100	100
Untreated		0	0	0	0	0	0	0	0
LSD (0.05)		1.4	8.0	0.0	1.6	0.0	0.0	0.0	0.0
CV		0.9	5.8	0.0	1.1	0.0	0.0	0.0	0.0
^a All treatments applied with Abundit Extra at 32 fl oz/A and AMS at 5.88 gal/100 gal (PRE and POST)									
^b Break= Breakfree ATZ Lite									
^c All treatments applied PRE/POST									
^d No injury observed with any treatment									