

## Southwest Region Crop Management Summary for 2012

The Non-Irrigated Corn Test was to be conducted at three locations (Harrisonville, Urich, Lamar) in the Southwest Region. The Irrigated Corn Test was also to be conducted at three locations (Harrisonville, Adrain, Lamar). Hot and dry weather conditions this summer adversely affected yields at all sites. Adrian irrigated test was abandoned because the irrigation lake ran dry resulting in low and highly variable yields. Both tests at Lamar were abandoned because a late summer storm caused significant, but variable lodging and hail damage.

### Characteristics of the Non-Irrigated Corn Test Locations – Southwest Region

Location	Soil type	Soil Test				Precipitation					GDD <sup>b</sup>
		pH	OM	P	K	May	June	July	August	Season <sup>a</sup>	
Harrisonville	Haig silt loam	5.7	2.3%	72	396	2.9"	2.3"	0.7"	1.4"	7.3"	2948
Urich	Hartwell silt loam	5.4	2.6%	26	254	1.2"	2.6"	0.4"	1.2"	5.4"	3045
Lamar	(abandoned, see text)										

### Characteristics of the Irrigated Corn Test Locations – Southwest Region

Location	Soil type	Soil Test				Precipitation					Irrigate
		pH	OM	P	K	May	June	July	August	Season <sup>a</sup>	
Harrisonville	Haig silt loam	5.0	2.5%	38	310	2.9"	2.3"	0.7"	1.4"	7.3"	7.0"
Adrian	(abandoned, see text)										
Lamar	(abandoned, see text)										

<sup>a</sup> Region average season total precipitation (May through August) = 8.0 inches, 10.5 inches below normal.

<sup>b</sup> Region average accumulated growing degree days (May through August) = 3032, 93 above normal

### Crop Management Practices at the Non-Irrigated Corn Test Locations – Southwest Region

Location	Dates		Fertilizer			Tillage	Herbicides			Insecticide
	Planting	Harvest	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O		Pre-	Post		
Harrisonville	April 9	Aug 22	255	85	100	Conv.	Corvus, Atrazine	Accent	Force 3G	
Urich	April 11	Aug 21	225	60	60	Conv.	Dual II Magnum, Atrazine, Princep, Callisto	none	Force 3G	
Lamar	(abandoned, see text)									

### Crop Management Practices at the Irrigated Corn Test Locations – Southwest Region

Location	Dates		Fertilizer			Tillage	Herbicides			Insecticide
	Planting	Harvest	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O		Pre-	Post		
Harrisonville	April 10	Aug 23	285	85	100	Conv.	Corvus, Atrazine	Accent	Force 3G	
Adrain	(abandoned, see text)									
Lamar	(abandoned, see text)									