

Summary of climatic data by months for the 2013-2014 cropping year (September-August) compared to averages for the period of record from 1911 to 2013 at the Southern Agricultural Research Center near Huntley, Montana.

	2013				2014								Year
	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	
<u>Precipitation (inches)</u>													<u>Total</u>
Current Year (2013-2014)	2.94	1.87	0.22	1.36	0.64	1.14	0.87	0.87	1.87	2.39	0.38	3.33	17.88
Average (1911-2013)	1.30	1.08	0.64	0.59	0.55	0.46	0.79	1.35	2.20	2.33	1.17	0.94	13.38
Difference	+1.64	+0.80	-0.42	+0.77	+0.09	+0.68	+0.08	-0.48	-0.33	+0.06	-0.79	+2.39	+4.50
<u>Mean Temperature (°F)</u>													<u>Average</u>
Current Year (2013-2014)	63.3	43.5	33.3	18.8	28.4	19.5	31.5	45.7	55.4	61.4	70.6	69.1	45.0
Average (1911-2013)	58.1	46.9	33.6	23.8	20.8	25.7	34.1	45.4	54.9	63.3	70.7	68.6	45.5
Difference	+5.3	-3.4	-0.3	-5.0	+7.6	-6.2	-2.6	+0.3	+0.5	-1.9	-0.1	+0.5	-0.5

Last Killing Frost in Spring<sup>1/</sup> 2014 ..... 30 °F on May 9, 2014  
Average (1911-2013) ..... May 17

First Killing Frost in the Fall<sup>1/</sup> 2014 ..... 25 °F on September 12, 2014  
Average (1911-2013) ..... September 19

Frost-free Period 2014 ..... 126 days  
Average (1911-2013) ..... 125 days

Growing Degree Days (Base 50)<sup>2/</sup> 2014 ..... 1,878 GDD (°F)  
Average (1911-2013) ..... 1,903 GDD (°F)

Growing Degree Days (Base Corn)<sup>2/</sup> 2014 ..... 1,905 GDD (°F)  
Average (1911-2013) ..... 2,007 GDD (°F)

Maximum Summer Temperature 98 °F on Aug 13, 2014

Minimum Winter Temperature -31 °F on Dec 7, 2013

1/ 32 °F is considered a killing frost. Average last and first killing frost dates are calculated on a 50% probability of a minimum temperature occurring below the threshold temperature of 32.5 °F based on observations from 1911 to 2013.

2/ Growing degree days calculated from temperatures observed during the frost free period from May 9 through September 12, 2014, and for the same 126 day interval from the period of record of 1911 to 2013.