

Summary of climatic data by months for the 2015-2016 cropping year (September-August) compared to averages for the period of record from 1911 to 2015 at the Southern Agricultural Research Center near Huntley, Montana.

	2015				2016								Year
	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	
<u>Precipitation (inches)</u>													<u>Total</u>
Current Year (2015-2016)	0.26	1.97	0.50	0.50	0.25	0.11	1.30	1.41	2.49	0.86	0.46	1.57	11.68
Average (1911-2015)	1.31	1.08	0.63	0.60	0.56	0.47	0.79	1.36	2.20	2.33	1.15	0.96	13.44
Difference	-1.05	+0.89	-0.13	-0.10	-0.31	-0.36	+0.51	+0.05	+0.29	-1.47	-0.69	+0.61	-1.76
<u>Mean Temperature (°F)</u>													<u>Average</u>
Current Year (2015-2016)	62.8	51.2	34.0	24.4	25.3	38.3	41.4	48.6	55.1	68.5	71.2	68.3	49.2
Average (1911-2015)	58.1	47.0	33.7	24.0	21.0	25.7	34.2	45.6	55.0	63.4	70.8	68.8	45.6
Difference	+4.7	+4.2	+0.3	+0.4	+4.3	+12.6	+7.2	+3.0	+0.1	+5.1	+0.4	-0.5	+3.6

Last Killing Frost in Spring<sup>1/</sup> 2016 ..... 32 °F on May 14, 2016  
Average (1911-2015) ..... May 17

First Killing Frost in the Fall<sup>1/</sup> 2016 ..... 30 °F on Oct 6, 2016  
Average (1911-2015) ..... September 19

Frost-free Period 2016 ..... 145 days  
Average (1911-2015) ..... 125 days

Growing Degree Days (Base 50)<sup>2/</sup> 2016 ..... 2,223 GDD (°F)  
Average (1911-2015) ..... 2,009 GDD (°F)

Growing Degree Days (Base Corn)<sup>2/</sup> 2016 ..... 2,227 GDD (°F)  
Average (1911-2015) ..... 2,219 GDD (°F)

Maximum Summer Temperature 99 °F on Sep 1, 2016

Minimum Winter Temperature -11 °F on Dec 26, 2015

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 2015.

2/ Growing degree days calculated from temperatures observed during the frost free period from May 14 through October 6, 2016, and for the same 145-day interval from the period of record of 1911 to 2015.