

Summary of climatic data by months for the 2016-2017 cropping year (September-August) compared to averages for the period of record from 1911 to 2016 at the Southern Agricultural Research Center near Huntley, Montana.

	2016				2017								Year
	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	
<u>Precipitation (inches)</u>													<u>Total</u>
Current Year (2016-2017)	1.87	3.06	0.27	1.17	0.37	0.74	2.30	1.75	1.53	1.13	0.21	0.24	14.64
Average (1911-2016)	1.30	1.09	0.63	0.60	0.55	0.46	0.79	1.36	2.21	2.32	1.14	0.97	13.42
Difference	+0.57	1.97	-0.36	+0.57	-0.18	+0.28	+1.51	+0.39	-0.68	-1.19	-0.93	-0.73	+1.22
<u>Mean Temperature (°F)</u>													<u>Average</u>
Current Year (2016-2017)	59.8	47.6	41.9	14.1	14.1	25.6	40.4	46.9	55.9	65.6	75.8	68.4	46.3
Average (1911-2016)	58.1	46.9	33.6	23.9	21.1	25.9	34.4	45.5	54.9	63.4	70.9	68.8	45.6
Difference	+1.7	+0.7	+8.3	-9.8	-7.0	-0.3	+6.0	+1.4	+1.0	+2.2	+4.9	-0.4	+0.73

Last Killing Frost in Spring^{1/} 2017 32° F on May 20, 2017
Average (1911-2016) May 17

First Killing Frost in the Fall^{1/} 2017 32° F on September 17, 2017
Average (1911-2016) September 19

Frost-free Period 2017 126 days
Average (1911-2016) 125 days

Growing Degree Days (Base 50)^{2/} 2017 2,185 GDD (°F)
Average (1911-2016) 1,911 GDD (°F)

Growing Degree Days (Base Corn)^{2/} 2017 2,095 GDD (°F)
Average (1911-2016) 1,982 GDD (°F)

Maximum Summer Temperature 101 °F on Jul 16, 2017

Minimum Winter Temperature -30 °F on Dec 17, 2016

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 2016.

2/ Growing degree days calculated from temperatures observed during the frost free period from May 14 through September 17, 2017, and for the same 145-day interval from the period of record of 1911 to 2016.