

Summary of climatic data by months for the 2017-2018 cropping year (September-August) compared to averages for the period of record from 1911 to 2017 at the Southern Agricultural Research Center near Huntley, Montana.

	2017				2018								Year
	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	
<u>Precipitation (inches)</u>													<u>Total</u>
Current Year (2017-2018)	2.57	0.37	1.17	1.14	0.58	1.82	0.90	2.70	3.81	3.77	0.87	2.00	21.70
Average (1911-2016)	1.30	1.07	0.64	0.59	0.55	0.45	0.79	1.34	2.18	2.33	1.14	0.94	13.32
Difference	+1.27	-0.70	+0.53	+0.55	+0.03	+1.37	+0.11	+1.36	+1.63	+1.44	-0.27	+1.06	+8.38
<u>Mean Temperature (°F)</u>													<u>Average</u>
Current Year (2016-2017)	58.6	47.0	33.6	23.4	19.6	9.9	29.3	40.7	59.1	63.4	70.2	67.8	43.6
Average (1911-2016)	58.0	46.9	33.6	23.9	20.7	25.7	34.3	45.5	54.9	63.3	70.8	68.8	45.5
Difference	+0.6	+0.1	0.0	-0.5	-1.1	-15.8	-5.0	-4.8	+4.2	+0.1	-0.6	-1.0	-1.9

Last Killing Frost in Spring^{1/} 2018 32°F on April 25
Average (1911-2017) May 17

First Killing Frost in the Fall^{1/} 2018 30°F on September 21
Average (1911-2017) September 19

Frost-free Period 2018141 days
Average (1911-2017) 125 days

Growing Degree Days (Base 50)^{2/} 2018 2,138 GDD (°F)
Average (1911-2017) 2,009 GDD (°F)

Growing Degree Days (Base Corn)^{2/} 2018 2,199 GDD (°F)
Average (1911-2017) 2,219 GDD (°F)

Maximum Summer Temperature 100°F on August 11, 12, and 13, 2018

Minimum Winter Temperature -29 °F on February 10 and 20, 2018

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 2017.

2/ Growing degree days calculated from temperatures observed during the frost free period from April 25 through September 17, 2018, and for the same 145-day interval from the period of record of 1911 to 2017.