

Summary of climatic data by months for the 2019-2020 cropping year (September-August) compared to averages for the period of record from 1911 to 2019 at the Southern Agricultural Research Center near Huntley, Montana.

	2019				2020								Year
	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	
<u>Precipitation (inches)</u>													<u>Total</u>
Current Year (2019-2020)	3.66	1.00	0.81	0.50	0.17	0.46	0.69	0.79	1.58	4.75	0.00	0.72	15.13
Average (1911-2019)	1.33	1.10	0.63	0.61	0.55	0.47	0.80	1.37	2.21	2.34	1.12	0.97	13.50
Difference	2.33	-0.10	0.18	-0.11	-0.38	-0.01	-1.11	-0.58	-0.63	2.41	-1.12	-0.25	1.63
<u>Mean Temperature (°F)</u>													<u>Average</u>
Current Year (2019-2020)	59.8	37.2	32.2	28.3	24.6	26.8	35.8	40.3	54.9	65.3	70.4	71.4	45.58
Average (1911-2019)	58.2	46.9	33.7	23.9	21.1	25.8	34.4	45.5	55.0	63.5	70.9	68.8	45.64
Difference	1.6	-9.7	-1.5	4.4	3.5	1.0	1.4	-5.2	-0.1	1.8	-0.5	2.6	-0.06

Last Killing Frost in Spring^{1/} 2020 32 °F on May 9
Average (1911-2019) May 16

First Killing Frost in the Fall^{1/} 2020 31 °F on September 9
Average (1911-2019) September 19

Frost-free Period 2020 123 days
Average (1911-2019) 126 days

Growing Degree Days (Base 50)^{2/} 2020 2,028 GDD (°F)
Average (1911-2019) 1,976 GDD (°F)

Growing Degree Days (Base Corn)^{2/} 2020 1,970 GDD (°F)
Average (1911-2019) 1,895 GDD (°F)

Maximum Summer Temperature 102 °F on August 18, 2020

Minimum Winter Temperature -22 °F on January 18, 2020

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 2019.

2/ Growing degree days calculated from temperatures observed during the frost free period from May 10th through September 30th, 2020, and for the same 145-day interval from the period of record of 1911 to 2019.