

Table . Summary of climatic data by months for the 2003-2004 cropping year (September-August) compared to averages for the period of record from 1911 to 2003 at the Southern Agricultural Research Center near Huntley, Montana.

	2003				2004								Year
	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	
<u>Precipitation (inches)</u>													<u>Total</u>
Current Year (2003-2004)	0.20	1.49	0.37	0.59	0.21	0.85	0.14	1.01	0.90	1.95	1.63	0.09	9.43
Average (1911-2003)	1.29	1.02	0.63	0.59	0.56	0.45	0.79	1.32	2.08	2.38	1.13	0.94	13.16
Difference	-1.09	+0.47	-0.26	0.00	-0.35	+0.40	-0.65	-0.31	-1.18	-0.43	+0.50	-0.85	-3.73
<u>Mean Temperature (°F)</u>													<u>Average</u>
Current Year (2003-2004)	57.4	51.8	27.9	27.8	18.1	28.6	42.0	48.7	52.5	60.0	70.1	66.2	46.0
Average (1911-2003)	58.2	47.3	33.7	24.2	20.5	25.6	33.8	45.4	54.9	63.2	70.6	68.9	45.5
Difference	-0.8	+4.5	-5.8	+3.6	-2.4	+3.0	+8.2	+3.3	-2.4	-3.2	-0.5	-2.7	+0.5

Last Killing Frost in Spring^{1/} 2004 May 25 (27 °F)
Average (1911-2003) May 16

First Killing Frost in the Fall^{1/} 2004 September 21 (28 °F)
Average (1911-2003) September 19

Frost-free period 2004 118 days
Average (1911-2003) 125 days

Growing Degree Days (Base 50)^{2/} 2004 1,669 GDD (°F)
Average (1911-2003) 1,871 GDD (°F)

Growing Degree Days (Base Corn)^{2/} 2004 1,806 GDD (°F)
Average (1911-2003) 1,947 GDD (°F)

Maximum Summer Temperature 102 °F on July 19, 2004

Minimum Winter Temperature -32 °F on January 5, 2004

1/ In this summary, 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 a threshold temperature of 32.5 °F based on observations from 1911 to 2003.

2/ Growing degree days calculated from temperatures observed during the frost free period from May 25 through September 21 for 2004, and for the same 118 day interval from the period of record of 1911 to 2003.