

CMG GardenNotes #741

Climate Summary: Boulder and Longmont

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Annual	
Monthly Temperatures															
Boulder	average extreme high	64	67	72	80	86	94	97	94	90	81	71	67		
	normal high	45	48	55	62	71	82	87	85	77	66	52	46	65	
	normal low	19	23	28	35	43	52	57	56	48	38	28	22	38	
	average extreme low	-4	0	9	18	31	41	49	48	32	21	6	0		
Longmont	average extreme high	63	67	75	82	89	97	100	98	94	84	73	64		
	normal daily high	42	47	54	62	72	83	89	87	78	66	52	44	65	
	normal daily low	12	17	24	32	42	51	55	53	44	33	22	14	33	
	average extreme low	-9	-5	6	17	30	40	48	46	31	19	4	-8		

Note: Climate averages/norms are based on a 30 year periods. In this fact sheet the years of 1970 to 1999 were used.

Site Information	Station	Number	Elevation	Latitude	Longitude
	Boulder	50848	5400	40° 01'	105° 16'
Longmont	55116	4950	40° 10'	105° 04'	

		Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
--	--	-----	-----	-----	-----	-----	------	------	-----	------	-----	-----	-----	--------

Total Monthly Precipitation (inches)

Boulder	normal	0.7	0.7	1.8	2.7	2.9	2.0	1.9	1.7	1.9	1.3	1.5	0.8	19.71
	maximum*	2.2	2.4	5.2	6.0	9.6	6.0	4.8	5.5	4.3	4.3	3.5	2.2	29.4
Longmont	normal	0.4	0.4	1.2	2.0	2.4	1.7	1.1	1.4	1.5	0.8	0.8	0.6	14.4
	maximum*	1.4	1.5	4.7	4.8	7.0	5.1	3.5	4.8	3.8	4.8	2.5	1.7	20.9

Total Monthly Snowfall (inches)

Boulder	normal	10.9	9.9	16.9	12.0	1.1	0	0	0	2.1	4.7	16.0	11.8	83.6
	maximum*	29.1	28.8	56.7	38.6	23.0	0	0	0	21.0	30.1	44.6	31.5	125.3
Longmont	normal	5.2	3.4	5.5	4.7	0.5	0	0	0	0.5	1.2	5.5	7.1	32.3
	maximum*	13.8	13.8	26.0	19.0	8.0	0	0	0	10.0	12.0	22.0	32.0	72.0

Frost Probability and Growing Season Length Summary

		<u>Spring Frost Probability</u>			<u>Fall Frost Probability</u>			<u>Length of Growing Season (days)</u>		
		90%	50%	10%	10%	50%	90%	10%	50%	90%
Boulder	32° threshold	Apr 22	May 3	May 13	Sept 18	Oct 1	Oct 15	133	152	171
	28° threshold	Apr 8	Apr 21	May 5	Sept 23	Oct 11	Oct 28	154	172	191
	24° threshold	Mar 31	Apr 11	Apr 22	Sept 27	Oct 19	Nov 11	169	191	213
Longmont	32° threshold	Apr 22	May 05	May 17	Sept 15	Sept 27	Oct 9	127	145	163
	28° threshold	Apr 10	Apr 24	May 8	Sept 22	Oct 9	Oct 25	146	168	190
	24° threshold	Mar 31	Apr 15	Apr 29	Sept 29	Oct 17	Nov 4	165	185	206

Typical planting and harvest period based on average frost dates and normal temperatures

Mid April	Late April	Early May	Mid May	Late May	Early June	Mid June	Late June	Early July	Mid July	Late July	Early Aug.	Mid Aug.	Late Aug.	Early Sept.	Mid Sept.	Early Oct.	
40-45 day, cool season crops (spinach, lettuce)								75 day, cool season crops								FROST	
50-55 day, cool season crops (kohlrabi)								65-70 day, cool season crops (peas)									
60-70 day, cool season crops (beets, broccoli, cabbage, carrots, cauliflower, chard, peas)										50-60 day, cool season crops (kohlrabi, beets, broccoli, cabbage, carrots, cauliflower, chard,)							
75 day, cool season crops										40-45 day, cool season crops (spinach, lettuce)							
		50-55 day, semi-tender, warm season crops (summer squash)															
		60-65 day, semi-tender, warm season crops (cucumbers)															
		70-75 day, semi-tender, warm season crops (beans, corn)															
		80-85 day, semi-tender, warm season crops (corn)															
		FROST	70 day, tender, warm season crops (tomatoes, peppers, eggplant)														
			75-80 day, tender, warm season crops (cantaloupe, watermelon)														
			85-90 day, tender, warm season crops (cantaloupe, watermelon, winter squash)														
			95-100 day, tender, warm season crops (winter squash)														

Prepared by David E Whiting, Extension Consumer Horticulture Specialist, Department of Horticulture and LA, Colorado State University

Source: Colorado Climate Center at <http://ccc.atmos.colostate.edu>

Colorado State University, U.S. Department of Agriculture and Colorado counties cooperating.
 CSU Extension programs are available to all without discrimination.

Copyright 2002. Colorado State University Extension.
 CMG GardenNotes may be reproduced, without changes or additions, for non-profit educational use.

Revised December 2006



