



CMG GardenNotes #742

Climate Summary: Castle Rock, Littleton, and Parker, Colorado

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Annual
Monthly Temperatures														
Castle Rock	average extreme high	63	65	71	77	84	92	95	92	87	81	72	65	
	normal daily high	45	48	53	59	69	80	86	84	76	66	53	46	63
	normal daily low	13	17	23	30	39	48	53	51	43	31	21	14	32
	average extreme low	-12	-6	1	12	26	35	45	44	27	15	0	-8	
Littleton	average extreme high	65	71	74	82	85	94	96	94	89	81	73	65	
	normal daily high	43	48	54	63	69	80	86	83	75	64	51	44	63
	normal daily low	16	19	28	35	43	53	58	56	46	34	23	15	36
	average extreme low	-6	-5	9	19	30	41	50	49	32	19	7	-6	
Parker	average extreme high	62	64	71	77	83	92	95	93	88	80	71	64	
	normal daily high	42	46	52	60	69	80	85	84	76	65	50	44	63
	normal daily low	17	20	25	32	41	50	57	55	47	36	25	18	35
	average extreme low	-8	-3	4	13	27	37	47	46	31	17	4	-5	

Note: Weather averages/norms are based on a 30 period.

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Annual
<u>Total Monthly Precipitation</u> (inches)														
Castle Rock	normal	0.5	0.5	1.5	1.8	2.4	2.0	2.3	2.1	1.2	1.1	1.0	0.7	17.8
	maximum	1.3	2.0	4.4	6.7	7.3	4.6	4.9	5.5	2.9	2.9	2.6	2.3	24.7
Littleton	normal	0.3	0.5	1.4	1.5	2.8	1.8	1.9	2.0	1.1	1.2	1.2	0.6	16.4
	maximum	0.7	1.2	4.2	3.0	4.3	4.6	3.9	4.2	2.2	4.5	3.8	1.5	24.2
Parker	normal	0.3	0.3	1.0	1.4	2.7	2.1	2.3	2.2	1.2	0.9	0.8	0.3	15.2
	maximum	1.4	1.1	4.0	2.5	6.6	4.0	5.7	6.0	4.4	4.2	2.7	1.7	21.6
<u>Total Monthly Snowfall</u> (inches)														
Castle Rock	normal	6.0	6.0	11.2	9.1	1.1	0	0	0	0.8	3.3	9.6	10.4	56.9
	maximum	18.0	21.0	50.0	25.5	12.0	0	0	0	11.5	11.9	38.5	43.0	117.3
Littleton	normal	8.8	7.8	11.9	7.8	0.6	0	0	0	0.9	3.0	13.0	12.7	66.4
	maximum	21.5	18.0	32.0	15.0	4.0	0	0	0	10.0	12.0	40.8	36.0	101.1
Parker	normal	4.7	4.2	9.0	9.6	2.1	0.2	0	0	1.4	5.1	9.1	5.7	56.2
	maximum	18.0	13.0	43.0	20.0	14.0	6.0	0	0	17.0	43.0	35.0	21.0	113.0

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

- o CMG GardenNotes are available online at www.cmg.colostate.edu.
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Frost Probability and Growing Season Length Summary

		Spring Frost Probability			Fall Frost Probability			Length of Growing Season (days)		
		90%	50%	10%	10%	50%	90%	10%	50%	90%
Byers	32° threshold	Apr 27	May 10	May 23	Sept 13	Sept 26	Oct 10	118	139	160
	28° threshold	Apr 21	May 2	May 12	Sept 19	Oct 3	Oct 16	136	154	172
	24° threshold	Apr 6	Apr 22	May 9	Sept 28	Oct 15	Nov 1	152	176	200
Castle Rock	32° threshold	May 5	May 25	June 14	Sept 10	Sept 23	Oct 6	94	121	148
	28° threshold	Apr 21	May 7	May 24	Sept 16	Sept 29	Oct 12	120	145	169
	24° threshold	Apr 19	Apr 29	May 10	Sept 16	Oct 7	Oct 28	135	161	186
Kassler	32° threshold	Apr 28	May 14	May 29	Sept 13	Sept 27	Oct 12	115	137	159
	28° threshold	Apr 16	Apr 26	May 5	Sept 23	Oct 12	Oct 31	149	169	190
	24° threshold	Apr 3	Apr 18	May 2	Sept 30	Oct 18	Nov 4	160	183	206
Littleton	32° threshold	Apr 19	Apr 30	May 11	Sept 18	Oct 1	Oct 14	137	154	172
	28° threshold	Apr 6	Apr 20	May 4	Sept 30	Oct 11	Oct 22	158	174	189
	24° threshold	Mar 25	Apr 8	Apr 23	Oct 5	Oct 19	Nov 3	176	194	212
Parker	32° threshold	Apr 29	May 17	June 4	Sept 11	Sept 26	Oct 10	104	132	160
	28° threshold	Apr 19	May 2	May 15	Sept 20	Oct 6	Oct 23	135	158	181
	24° threshold	Apr 11	Apr 25	May 9	Sept 29	Oct 15	Oct 31	152	173	194

Site Information	Station	Number	Elevation	Latitude	Longitude
	Byers	#51179	5200	39° 42'	104° 13'
	Castle Rock	#51401	6250	39° 22'	104° 52'
	Kassler	#54452	5500	39° 30'	105° 6'
	Littleton	#55056	5360	39° 37'	105° 1'
	Parker	#56326	6300	39° 31'	104° 39'

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

Castle Rock																			
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.	Late Sept.	Early Oct.		
			40 day, cool season crops, (spinach)																
			45-50 day, cool season crops (lettuce, kohlrabi)																
			55-60 day, cool season crops (beets, broccoli, cabbage, carrots, cauliflower, chard)																
			65-75 day, cool season crops (peas)																
			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 day, semi-tender, warm season crops (corn)																
			85 day, semi-tender, warm season crops																
			70 day, tender, warm season crops (tomatoes, peppers, eggplant)																
			75 day, tender, warm season crops (tomatoes)																
			FROST	70-75 day, cool season crops															
				55-65 day, cool season crops (beets, broccoli, cabbage, carrots, cauliflower, chard, peas)															
				45-50 day, cool season crops (lettuce kohlrabi)															
				40 day, cool season crops (spinach)															

Littleton																	
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.	Late Sept.	Early Oct.
40-45 day, cool season crops (spinach, lettuce)																	
50-60 day, cool season crops (kohlrabi, beets, broccoli, cabbage, carrots, cauliflower, chard)																	
65-70 day, cool season crops (peas)																	
75-80 day, cool season crops																	
FROST	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)																
	70 day, tender, warm season crops (tomatoes, peppers, eggplant)																
	75-80 day, tender, warm season crops (tomatoes, cantaloupe, watermelon)																
	80-90 day, tender, warm season crops (cantaloupe, watermelon, winter squash)																
	95 day, tender, warm season crops (winter squash)																
	100 day, tender, warm season crops																
									75 day, cool season crops								
									60-70 day, cool season crops (beets, broccoli, cabbage, carrots, cauliflower, chard, peas)								
									50-55 day, cool season crops (kohlrabi)								
								40-45 day, cool season crops (spinach, lettuce)									
																	FROST

Parker																			
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.	Late Sept.	Early Oct.		
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		65-70 day, cool season crops (peas)																	
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		50-55 day, semi-tender, warm season crops (summer squash)																	
		60-65 day, semi-tender, warm season crops (cucumbers)																	
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		FROST	70 day, tender, warm season crops (tomatoes, peppers, eggplant)																
			75-80 day, tender, warm season crops (tomatoes, cantaloupe, watermelon)																
			85 day, tender warm season crops (cantaloupe, watermelon, winter squash)																
			75 day, cool season crops																
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			50-55 day, cool season crops (kohlrabi)																
			40-45 day, cool season crops (spinach, lettuce)																

FROST