

Colorado MASTER GARDENER

Climate Summary: Castle Rock, Littleton, and Parker

no. 7.861

Source: Colorado Climate Center, http://ccc.atmos.colostate.edu by D. Whiting¹

Table 1. Monthly temperatures.

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

Note: Weather averages/norms are based on a 30-year period. The period of 1970 to 1999 was used for data in this fact sheet, except for Littleton (1978 to 1994) and Parker 1970 to 1997) due to limited data.

Table 2. Total monthly precipitation (inches).

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



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Table 3. Frost probability and growing season length summary.

	obability and grov		Probability last SPRING	· · · · · · · · · · · · · · · · · · ·	fros	Probability first FALL st will be be	Probability growing season will be less than days			
		90%	50%	10%	10%	50%	90%	10%	50%	90%
Byers	32° threshold 28° threshold 24° threshold	Apr 27 Apr 21 Apr 6	May 10 May 2 Apr 22	May 23 May 12 May 9	Sept 13 Sept 19 Sept 28	Sept 26 Oct 3 Oct 15	Oct 10 Oct 16 Nov 1	118 136 152	139 154 176	160 172 200
Castle Rock	32° threshold 28° threshold 24° threshold	May 5 Apr 21 Apr 19	May 25 May 7 Apr 29	June 14 May 24 May 10	Sept 10 Sept 16 Sept 16	Sept 23 Sept 29 Oct 7	Oct 6 Oct 12 Oct 28	94 120 135	121 145 161	148 169 186
Kassler	32° threshold 28° threshold 24° threshold	Apr 28 Apr 16 Apr 3	May 14 Apr 26 Apr 18	May 29 May 5 May 2	Sept 13 Sept 23 Sept 30	Sept 27 Oct 12 Oct 18	Oct 12 Oct 31 Nov 4	115 149 160	137 169 183	159 190 206
Littleton	32° threshold Apr 1 28° threshold Apr 6 24° threshold Mar 2		Apr 30 Apr 20 Apr 8	May 11 May 4 Apr 23	Sept 18 Sept 30 Oct 5	Oct 1 Oct 11 Oct 19	Oct 14 Oct 22 Nov 3	137 158 176	154 174 194	172 189 212
Parker	32° threshold 28° threshold 24° threshold	8° threshold Apr 19		June 4 May 15 May 9	Sept 11 Sept 20 Sept 29	Sept 26 Oct 6 Oct 15	Oct 10 Oct 23 Oct 31	104 135 152	132 158 173	160 181 194
Site Information	Station	Number	Ele	vation	Latitude	Lon	gitude			
	Byers Castle Rock Kassler Littleton Parker	51179 51401 54452 55056 56326	51401 6250 54452 5500 55056 5360		39° 42' 39° 22' 39° 30' 39° 37' 39° 31'	104 105 105				

Table 4. 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-sea	ason crop	os (spina	ch)										
			45-50 d	day, cool-	y, cool-season crops (lettuce, kohlrabi)												
					ay, cool-season crops (beets, broccoli, cabbage, cauliflower, chard)												
			65-75 d	day, cool-	, cool-season crops (peas)												
				50-55 0	0-55 day, semi-tender, warm-season crops (summer squash)												
				60-65	65 day, semi-tender, warm-season crops (cucumbers)												
				70-75 d	70-75 day, semi-tender, warm-season crops (beans, corn)												
				80 day,	semi-ter	nder, wai	m-seaso	on crops	(corn)							FROST	
				85 day,	semi-ter	nder, wai	m-seaso	on crops									
					70 day,	tender,	warm-se	ason cro	ps (toma	itoes, pe	ppers, e	ggplant)					
					75 day,	tender,	warm-se	ason cro	ps (toma	itoes)							
								70-75 d	day, cool-	season	crops						
				FROST					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 (sp	oinach, le	ettuce)												
		season (eets, bro	occoli,	•										
65-70	day, cool-	-season	crops (pe	eas)	·			•									
75-80 d	-80 day, cool-season crops																
		50-55 day, semi-tender, warm-season crops (summer squash)															
		60-65 d	60-65 day, semi-tender, warm-season crops (cucumbers)														
		70-75 c	70-75 day, semi-tender, warm-season crops (beans, corn)														
		80-85 d	80-85 day, semi-tender, warm-season crops (corn)														
			70 day, tender, warm-season crops (tomatoes, peppers, eggplant)														FROST
			75-80 c	day, tend	er, warm	-season	crops (to	omatoes,	cantalo	upe, wate	ermelon)						
	FROST		80-90 d	day, tend	er, warm	-season	crops (c	antaloup	e, water	melon, w	inter squ	ash)					
			95 day,	tender,	warm-se	ason cro	ps (winte	er squas	h)								
			100 da	y, tender	, warm-s	eason cr	ops										
								75 day,	cool-sea	ason cro	ps						
				60-70 day, cool-season crops (beets, broccoli, cabbage, carrots, cauliflower, chard, peas)													
												lay, cool- h, lettuce	-season e)	crops			

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.
		40-45 c	lay, cool-	season	crops (sp	inach, le	ttuce)										
					crops (ko ower, cha		eets, bro	occoli,									
		65-70 c	ay, cool-season crops (peas)														
		75 day,	cool-sea	cool-season crops													
			50-55 c	50-55 day, semi-tender, warm-season crops (summer squash)													
			60-65 c	60-65 day, semi-tender, warm-season crops (cucumbers)													
			70-75 c	70-75 day, semi-tender, warm-season crops (beans, corn)													
			80-85 c	lay, semi	-tender,	warm-se	ason cro	ps (corn)							FROST	
					70 day, eggplar		warm-se	ason cro	ps (toma	itoes, pe	ppers,						
					75-80 d waterm		er, warm	-season	crops (to	matoes,	cantalo	ıpe,					
					85 day,	tender, v	warm-se	ason cro	ps (canta	aloupe, v	vatermel	on, winte	er squast	า)			
			FROST					75 day,	cool-sea	ason cro	ps						
										50-55 c							
												lay, cool- h, lettuce	season (crops			

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