

**CMG GardenNotes #742**

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

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Annual	
<b><u>Monthly Temperatures</u></b>															
<b>Castle Rock</b>	average extreme high	63	65	71	77	84	92	95	92	87	81	72	65		
	<b>normal daily high</b>	<b>45</b>	<b>48</b>	<b>53</b>	<b>59</b>	<b>69</b>	<b>80</b>	<b>86</b>	<b>84</b>	<b>76</b>	<b>66</b>	<b>53</b>	<b>46</b>	<b>63</b>	
	<b>normal daily low</b>	<b>13</b>	<b>17</b>	<b>23</b>	<b>30</b>	<b>39</b>	<b>48</b>	<b>53</b>	<b>51</b>	<b>43</b>	<b>31</b>	<b>21</b>	<b>14</b>	<b>32</b>	
	average extreme low	-12	-6	1	12	26	35	45	44	27	15	0	-8		
<b>Littleton</b>	average extreme high	65	71	74	82	85	94	96	94	89	81	73	65		
	<b>normal daily high</b>	<b>43</b>	<b>48</b>	<b>54</b>	<b>63</b>	<b>69</b>	<b>80</b>	<b>86</b>	<b>83</b>	<b>75</b>	<b>64</b>	<b>51</b>	<b>44</b>	<b>63</b>	
	<b>normal daily low</b>	<b>16</b>	<b>19</b>	<b>28</b>	<b>35</b>	<b>43</b>	<b>53</b>	<b>58</b>	<b>56</b>	<b>46</b>	<b>34</b>	<b>23</b>	<b>15</b>	<b>36</b>	
	average extreme low	-6	-5	9	19	30	41	50	49	32	19	7	-6		
<b>Parker</b>	average extreme high	62	64	71	77	83	92	95	93	88	80	71	64		
	<b>normal daily high</b>	<b>42</b>	<b>46</b>	<b>52</b>	<b>60</b>	<b>69</b>	<b>80</b>	<b>85</b>	<b>84</b>	<b>76</b>	<b>65</b>	<b>50</b>	<b>44</b>	<b>63</b>	
	<b>normal daily low</b>	<b>17</b>	<b>20</b>	<b>25</b>	<b>32</b>	<b>41</b>	<b>50</b>	<b>57</b>	<b>55</b>	<b>47</b>	<b>36</b>	<b>25</b>	<b>18</b>	<b>35</b>	
	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	
<b><u>Total Monthly Precipitation</u></b> (inches)															
<b>Castle Rock</b>	<b>normal</b>	<b>0.5</b>	<b>0.5</b>	<b>1.5</b>	<b>1.8</b>	<b>2.4</b>	<b>2.0</b>	<b>2.3</b>	<b>2.1</b>	<b>1.2</b>	<b>1.1</b>	<b>1.0</b>	<b>0.7</b>	<b>17.8</b>	
	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	
<b>Littleton</b>	<b>normal</b>	<b>0.3</b>	<b>0.5</b>	<b>1.4</b>	<b>1.5</b>	<b>2.8</b>	<b>1.8</b>	<b>1.9</b>	<b>2.0</b>	<b>1.1</b>	<b>1.2</b>	<b>1.2</b>	<b>0.6</b>	<b>16.4</b>	
	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	
<b>Parker</b>	<b>normal</b>	<b>0.3</b>	<b>0.3</b>	<b>1.0</b>	<b>1.4</b>	<b>2.7</b>	<b>2.1</b>	<b>2.3</b>	<b>2.2</b>	<b>1.2</b>	<b>0.9</b>	<b>0.8</b>	<b>0.3</b>	<b>15.2</b>	
	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	
<b><u>Total Monthly Snowfall</u></b> (inches)															
<b>Castle Rock</b>	<b>normal</b>	<b>6.0</b>	<b>6.0</b>	<b>11.2</b>	<b>9.1</b>	<b>1.1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.8</b>	<b>3.3</b>	<b>9.6</b>	<b>10.4</b>	<b>56.9</b>	
	maximum	18.0	21.0	50.0	25.5	12.0	0	0	0	11.5	11.9	38.5	43.0	117.3	
<b>Littleton</b>	<b>normal</b>	<b>8.8</b>	<b>7.8</b>	<b>11.9</b>	<b>7.8</b>	<b>0.6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.9</b>	<b>3.0</b>	<b>13.0</b>	<b>12.7</b>	<b>66.4</b>	
	maximum	21.5	18.0	32.0	15.0	4.0	0	0	0	10.0	12.0	40.8	36.0	101.1	
<b>Parker</b>	<b>normal</b>	<b>4.7</b>	<b>4.2</b>	<b>9.0</b>	<b>9.6</b>	<b>2.1</b>	<b>0.2</b>	<b>0</b>	<b>0</b>	<b>1.4</b>	<b>5.1</b>	<b>9.1</b>	<b>5.7</b>	<b>56.2</b>	
	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>

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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%
<b>Byers</b>	32° threshold	Apr 27	<b>May 10</b>	May 23	Sept 13	<b>Sept 26</b>	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
<b>Castle Rock</b>	32° threshold	May 5	<b>May 25</b>	June 14	Sept 10	<b>Sept 23</b>	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
<b>Kassler</b>	32° threshold	Apr 28	<b>May 14</b>	May 29	Sept 13	<b>Sept 27</b>	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
<b>Littleton</b>	32° threshold	Apr 19	<b>Apr 30</b>	May 11	Sept 18	<b>Oct 1</b>	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
<b>Parker</b>	32° threshold	Apr 29	<b>May 17</b>	June 4	Sept 11	<b>Sept 26</b>	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**

<b>Castle Rock</b>																			
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)																
								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)									
																<b>FROST</b>			
			<b>FROST</b>																

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																	
<b>FROST</b>	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)								
	<b>FROST</b>																

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 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 day, cool season crops																
		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)														
				85 day, tender warm season crops (cantaloupe, watermelon, winter squash)														
		FROST					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**