



**MASTER GARDENER**  
**COLORADO STATE UNIVERSITY**  
**EXTENSION**

CMG GardenNotes #746

## Climate Summary: Fort Collins, Greeley, and Estes Park, Colorado

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Annual
<b><u>Monthly Temperatures</u></b>														
<b>Estes Park</b>	average extreme high	53	55	60	69	75	84	88	85	80	72	62	55	
	<b>normal daily high</b>	<b>38</b>	<b>41</b>	<b>46</b>	<b>54</b>	<b>62</b>	<b>73</b>	<b>78</b>	<b>77</b>	<b>70</b>	<b>59</b>	<b>45</b>	<b>39</b>	<b>57</b>
	<b>normal daily low</b>	<b>16</b>	<b>18</b>	<b>22</b>	<b>27</b>	<b>35</b>	<b>41</b>	<b>47</b>	<b>45</b>	<b>38</b>	<b>30</b>	<b>23</b>	<b>16</b>	<b>30</b>
	average extreme low	-12	-10	-1	5	22	30	38	37	23	12	-3	-8	
<b>Fort Collins</b>	average extreme high	62	65	72	79	85	93	96	94	89	81	70	62	
	<b>normal daily high</b>	<b>42</b>	<b>46</b>	<b>53</b>	<b>61</b>	<b>70</b>	<b>80</b>	<b>85</b>	<b>83</b>	<b>75</b>	<b>64</b>	<b>50</b>	<b>43</b>	<b>63</b>
	<b>normal daily low</b>	<b>15</b>	<b>20</b>	<b>27</b>	<b>34</b>	<b>43</b>	<b>52</b>	<b>57</b>	<b>56</b>	<b>47</b>	<b>36</b>	<b>25</b>	<b>17</b>	<b>36</b>
	average extreme low	-6	0	10	18	32	41	49	48	32	20	7	-3	
<b>Greeley</b>	average extreme high	62	65	75	82	88	97	100	97	93	83	71	61	
	<b>normal daily high</b>	<b>40</b>	<b>47</b>	<b>55</b>	<b>63</b>	<b>73</b>	<b>83</b>	<b>89</b>	<b>87</b>	<b>78</b>	<b>66</b>	<b>50</b>	<b>42</b>	<b>64</b>
	<b>normal daily low</b>	<b>14</b>	<b>20</b>	<b>27</b>	<b>35</b>	<b>44</b>	<b>53</b>	<b>58</b>	<b>56</b>	<b>47</b>	<b>35</b>	<b>24</b>	<b>16</b>	<b>36</b>
	average extreme low	-7	-1	9	20	32	43	50	49	32	21	6	-4	

		Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
<b><u>Total Monthly Precipitation</u></b> (inches)														
<b>Estes Park</b>	<b>normal</b>	<b>0.3</b>	<b>0.5</b>	<b>1.0</b>	<b>1.3</b>	<b>1.9</b>	<b>1.5</b>	<b>2.3</b>	<b>1.9</b>	<b>1.2</b>	<b>1.0</b>	<b>0.7</b>	<b>0.4</b>	<b>14.3</b>
	maximum	1.8	2.1	3.3	4.0	5.4	3.8	5.3	5.8	2.7	2.9	2.1	1.2	17.4
<b>Fort Collins</b>	<b>normal</b>	<b>0.4</b>	<b>0.4</b>	<b>1.5</b>	<b>2.1</b>	<b>2.6</b>	<b>2.1</b>	<b>1.9</b>	<b>1.4</b>	<b>1.3</b>	<b>1.0</b>	<b>0.8</b>	<b>0.5</b>	<b>15.9</b>
	maximum	1.1	1.3	5.6	8.3	7.5	5.8	6.7	5.1	4.1	2.9	2.3	1.5	25.2
<b>Greeley</b>	<b>normal</b>	<b>0.5</b>	<b>0.4</b>	<b>1.2</b>	<b>1.8</b>	<b>2.5</b>	<b>1.9</b>	<b>1.5</b>	<b>1.2</b>	<b>1.2</b>	<b>0.9</b>	<b>0.8</b>	<b>0.5</b>	<b>14.4</b>
	maximum	1.4	1.5	4.1	7.4	5.4	4.0	3.4	3.9	3.4	2.9	2.3	1.1	22.2
<b><u>Total Monthly Snowfall</u></b> (inches)														
<b>Estes Park</b>	<b>normal</b>	<b>1.9</b>	<b>5.9</b>	<b>7.6</b>	<b>3.3</b>	<b>0.5</b>	<b>0.1</b>	<b>0</b>	<b>0</b>	<b>0.6</b>	<b>1.2</b>	<b>4.4</b>	<b>2.7</b>	<b>25.2</b>
	maximum	12.0	30.0	31.5	14.0	6.0	3.0	0	0	4.0	9.0	18.0	12.5	64.5
<b>Fort Collins</b>	<b>normal</b>	<b>8.4</b>	<b>6.2</b>	<b>12.3</b>	<b>7.28</b>	<b>1.4</b>	<b>0.1</b>	<b>0</b>	<b>0</b>	<b>1.2</b>	<b>3.9</b>	<b>9.9</b>	<b>8.4</b>	<b>59.1</b>
	maximum	19.2	16.7	39.6	24.4	27.8	2.2	0	1.4	15.0	17.5	29.1	20.7	107.1
<b>Greeley</b>	<b>normal</b>	<b>6.2</b>	<b>4.2</b>	<b>7.5</b>	<b>5.9</b>	<b>0.8</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.9</b>	<b>2.5</b>	<b>8.0</b>	<b>5.4</b>	<b>41.9</b>
	maximum	16.3	13.2	17.0	16.5	6.0	0.2	0	0	9.0	20.2	23.5	13.8	69.9

## Frost Probability and Growing Season Length Summary\*

		<u>Spring Frost Probability</u>			<u>Fall Frost Probability</u>			<u>Length of Growing Season</u>		
		<u>90%</u>	<u>50%</u>	<u>10%</u>	<u>10%</u>	<u>50%</u>	<u>90%</u>	<u>10%</u>	<u>50%</u>	<u>90%</u>
Estes Park	32° threshold	May 27	June 9	June 21	Sept 3	Sept 14	Sept 25	83	97	111
	28° threshold	May 5	May 21	June 6	Sept 10	Sept 21	Oct 1	106	123	140
	24° threshold	Apr 18	May 8	May 27	Sept 18	Oct 4	Oct 19	125	149	173
Fort Collins	32° threshold	Apr 23	May 4	May 16	Sept 18	Oct 2	Oct 17	130	151	172
	28° threshold	Apr 5	Apr 19	May 2	Sept 25	Oct 11	Oct 26	155	175	196
	24° threshold	Mar 26	Apr 7	Apr 20	Oct 3	Oct 20	Nov 6	174	196	218
Greeley	32° threshold	Apr 21	May 2	May 12	Sept 17	Oct 1	Oct 14	134	152	170
	28° threshold	Apr 4	Apr 18	May 2	Sept 26	Oct 11	Oct 25	155	175	196
	24° threshold	Mar 25	Apr 7	Apr 20	Oct 6	Oct 22	Nov 6	175	198	220

<u>Site Information</u>	<u>Station</u>	<u>Number</u>	<u>Elevation</u>	<u>Latitude</u>	<u>Longitude</u>
	Estes Park	52759	7750	40° 23'	105° 31'
	Fort Collins	51179	5200	39° 42'	104° 13'
	Greeley	53553	4650	40° 25'	104° 42'

Prepared by David Whiting Extension Consumer Horticulture Specialist (retired), Department of Horticulture and LA, Colorado State University  
 Source: Colorado Climate Center at [www.wrcc.dri.edu/summary/climsmco.html](http://www.wrcc.dri.edu/summary/climsmco.html)

- o CMG GardenNotes are available online at [www.cmg.colostate.edu](http://www.cmg.colostate.edu).
- o Colorado Master Gardener training is made possible, in part, by a grant from the Colorado Garden Show, Inc.
- o Colorado State University, U.S. Department of Agriculture and Colorado counties cooperating.
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**Typical planting and harvest period based on average frost dates and normal temperatures**

<b>Estes Park</b>																		
Mid April	Late April	Early May	Mid May	Late May	Early June <b>FROST</b>	Mid June	Late June	Early July	Mid July	Late July	Early Aug.	Mid Aug.	Late Aug.	Early Sept.	Mid Sept. <b>FROST</b>	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														
					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)													
							70 day, tender, warm season crops (tomatoes, peppers, eggplant)											
								65-75 day, cool season crops (peas)										
									55-60 day, cool season crops (beets, broccoli, cabbage, carrots, cauliflower, chard)									
										40-50 day, cool season crops (spinach, lettuce, kohlrabi)								

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

<b>Greeley</b>																		
Mid April	Late April	Early May <b>FROST</b>	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. <b>FROST</b>	
40 day, cool season crops (spinach)									60-70 day, cool season crops (beets, broccoli, cabbage, carrots, cauliflower, chard, peas)									
45-50 day, cool season crops (lettuce, kohlrabi)										50-55 day, cool season crops (kohlrabi)								
55-60 day, cool season crops (beets, broccoli, cabbage, carrots, cauliflower, chard)											40-45 day, cool season crops (spinach, lettuce)							
65-75 day, cool season crops (peas)																		
		50-60 day, semi-tender, warm season crops (summer squash, cucumbers)																
		65-70 day, semi-tender, warm season crops (beans)																
		75 day, semi-tender, warm season crops (corns)																
		80 day, semi-tender, warm season crops (corn)																
		85 day, semi-tender, warm season crops (corns)																
			70-75 day, tender, warm season crops (tomatoes, peppers, eggplant)															
			80 day, tender, warm season crops (cantaloupe, watermelon)															
			85 day, tender, warm season crops (winter squash)															