



# Colorado MASTER GARDENER

## Climate Summary: Boulder and Longmont

no. 7.860

Source: Colorado Climate Center, <http://ccc.atmos.colostate.edu>  
by D. Whiting<sup>1</sup>

Table 1. Monthly temperatures.

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

Table 2. Total monthly precipitation (inches).

Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual		
<b>Total Monthly Precipitation (inches)</b>														
<b>Boulder</b>	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
<b>Longmont</b>	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
<b>Total Monthly Snowfall (inches)</b>														
<b>Boulder</b>	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
<b>Longmont</b>	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



Putting Knowledge to Work

**Table 3. Frost probability and growing season length summary.**

		Probability last SPRING frost will be before			Probability first FALL frost will be before			Probability growing season will be less than ___ days		
		90%	50%	10%	10%	50%	90%	10%	50%	90%
		<b>Boulder</b>	32° threshold	Apr 22	May 3	May 13	Sept 18	Oct 1	Oct 15	133
	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
<b>Longmont</b>	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

**Table 4. 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 Sept.
40-45 day, cool-season crops (spinach, lettuce)							75 day, cool-season crops							<b>FROST</b>		
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)																
<b>FROST</b>		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)																

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