



Colorado MASTER GARDENER

Climate Summary: Eagle and Glenwood Springs

no. 7.864

Source: Colorado Climate Center,
<http://ccc.atmos.colostate.edu/cgi-bin/mlydb.pl>
by D. Whiting¹

Table 1. Monthly temperatures.

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Annual
Vail	average extreme high	43	48	58	63	72	82	86	85	79	69	51	41	
	normal high	30	34	43	50	61	73	77	77	68	55	38	28	51
	normal low	4	7	16	23	31	35	39	39	32	23	14	5	23
	average extreme low	-14	-15	-2	11	22	26	31	32	21	7	-2	-12	
Eagle	average extreme high	49	54	65	74	82	92	94	92	87	78	62	50	
	normal daily high	34	41	49	59	69	80	85	83	75	63	46	35	60
	normal daily low	4	11	21	26	34	41	47	45	37	27	17	6	26
	average extreme low	-19	-11	4	14	21	30	37	36	24	13	-3	-15	
Glenwood Springs	average extreme high	48	57	68	77	84	93	97	95	89	79	65	51	
	normal high	36	43	52	61	71	83	88	87	77	65	48	37	62
	normal low	13	18	26	31	39	45	51	50	42	32	22	14	32
	average extreme low	-6	-2	12	20	28	34	43	42	30	20	6	-3	
Rifle	average extreme high	50	58	70	79	87	95	97	95	91	81	66	53	
	normal high	37	45	55	64	73	84	89	88	79	67	50	39	64
	normal low	9	17	25	31	39	46	52	51	42	31	22	12	31
	average extreme low	-10	-3	12	18	26	34	42	42	28	18	7	-6	
Parachute	average extreme high	49	60	68	80	89	98	102	100	95	78	65	50	
	normal high	39	46	56	64	76	89	94	93	83	66	51	41	66
	normal low	11	20	30	33	43	51	58	57	49	35	27	19	35
	average extreme low	-5	1	19	24	30	39	49	50	34	24	12	2	



Putting Knowledge to Work

Table 2. Total monthly precipitation (inches).

		Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
Vail	normal	1.3	1.9	1.6	2.0	1.7	1.4	2.0	1.5	2.0	1.5	1.6	1.2	19.6
	maximum	4.2	5.2	3.1	3.3	4.9	1.9	3.8	2.5	3.3	2.3	2.4	2.8	29.6
Eagle	normal	0.7	0.6	0.7	0.7	0.8	0.8	1.3	0.8	1.0	1.1	0.7	0.8	10.0
	maximum	2.9	2.1	2.1	1.8	2.7	2.4	3.3	3.0	2.7	2.9	2.4	2.4	16.1
Glenwood Springs	normal	1.4	1.2	1.3	1.5	1.5	1.2	1.2	1.1	1.6	1.8	1.3	1.4	16.5
	maximum	4.4	3.0	3.2	5.7	5.8	4.9	4.1	2.5	4.4	4.2	2.9	3.6	26.4
Rifle	normal	0.8	0.8	0.9	1.0	1.1	0.9	1.0	1.0	1.1	1.3	0.9	1.1	11.8
	maximum	2.6	2.5	3.0	2.6	3.2	3.7	2.6	2.6	3.3	3.6	3.6	3.3	21.7
Parachute	normal	0.5	0.5	1.3	1.2	1.0	0.8	1.1	0.6	1.3	1.6	1.4	0.9	11.9
	maximum	1.7	1.2	3.0	3.7	2.8	3.1	2.9	2.0	3.3	4.3	3.9	2.3	23.6

Total Monthly Snowfall (inches)

Vail	normal	28.6	31.9	22.5	21.5	2.9	0.4	0	0	1.1	8.4	25.6	24.5	167.5
	maximum	92.5	76.0	42.8	53.6	19.3	4.0	0.5	0	8.0	17.0	55.3	75.3	331.7
Eagle	normal	8.5	5.6	5.6	3.2	1.6	0.2	0	0	0.4	2.9	5.5	9.4	42.8
	maximum	29.6	24.0	15.9	11.7	21.1	2.9	0	0	6.0	14.5	24.9	31.2	85.4
Glenwood Springs	normal	15.7	8.6	3.8	1.3	0.4	0	0	0	1.3	6.2	13.8	13.8	51.2
	maximum	58.5	34.6	17.1	11.5	5.8	1.0	0	0	11.3	25.6	61.0	61.0	116.3
Rifle	normal	12.7	8.9	3.5	0.5	0	0	0	0	0	1.0	4.4	14.9	45.8
	maximum	36.7	35.6	25.0	4.7	0	0	0	0	5.5	28.0	50.8	50.8	104.1
Parachute	normal	7.3	1.7	1.8	0.8	0	0	0	0	0	0.2	5.2	8.0	25.0
	maximum	28.2	5.5	13.7	5.1	0	0	0	0	0	2.2	25.7	33.0	75.2

Site Information	Station	Number	Elevation	Latitude	Longitude
	Vail	58575	8225	3938	10622
	Eagle FAA	52454	6500	3938	0655
	Glenwood Springs	53359	5900	3931	10719
	Rifle	57031	5300	3931	10747
	Parachute	56311	5090	3927	20803

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%
Vail	32° threshold	June 17	July 2	July 18	July 21	Aug 19	Sept 17	10	48	85
	28° threshold	May 20	June 6	June 24	Aug 23	Sept 11	Oct 1	61	97	133
	24° threshold	Apr 21	May 21	June 9	Sept 10	Sept 21	Oct 1	85	123	150
Eagle	32° threshold	May 30	June 13	June 27	Aug 28	Sept 11	Sept 25	65	90	114
	28° threshold	May 7	May 25	June 12	Sept 3	Sept 18	Oct 2	94	115	136
	24° threshold	Apr 28	May 15	June 1	Sept 16	Sept 30	Oct 13	112	138	164
Glenwood Springs	32° threshold	Apr 30	May 21	June 12	Sept 11	Sept 24	Oct 6	98	125	152
	28° threshold	Apr 13	May 4	May 24	Sept 13	Sept 28	Oct 13	119	147	175
	24° threshold	Apr 2	Apr 20	May 8	Sept 17	Oct 15	Nov 3	149	179	208
Rifle	32° threshold	May 5	May 25	June 14	Sept 12	Sept 24	Oct 6	100	122	145
	28° threshold	Apr 25	May 7	May 19	Sept 19	Oct 3	Oct 16	127	149	171
	24° threshold	Apr 6	Apr 23	May 10	Sept 27	Oct 15	Nov 1	149	174	199
Parachute	32° threshold	May 4	May 12	May 18	Sept 18	Sept 26	Oct 5	126	138	153
	28° threshold	Apr 16	Apr 23	Apr 29	Sept 30	Oct 16	Nov 7	160	176	202
	24° threshold	Apr 5	Apr 17	Apr 29	Oct 21	Nov 2	Nov 14	176	199	222

Table 4. Typical planting and harvest period based on average frost dates and normal temperatures.

Parachute

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.	
40-45 day, cool-season crops (spinach)																
50-60 day, cool-season crop (kohlrabi, beets, broccoli, cabbage, carrots, cauliflower, chard)																
65-75 day, cool-season crops (peas)																
50-60 day, semi-tender, warm-season crops (summer squash)																
65-75 day, semi-tender, warm-season crops (beans, corn)																
80-85 day, semi-tender warm-season crops																
70 day, tender, warm-season crops (tomatoes, peppers, eggplant)																
75-80 day, tender, warm-season crops (cantaloupe, watermelon)													FROST			
85-90 day, tender, warm-season crops (winter squash)																
100 day, tender, warm-season crops																
		FROST						70-75 day, cool-season crops								
								55-65 day, cool-season crops (beets, broccoli, cabbage, carrots, cauliflower, chard, peas)								
								40-50 day, cool-season crops (spinach, lettuce, kohlrabi)								

Rifle

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.
40-45 day, cool-season crops (spinach, lettuce)															
50-55 day, cool-season crops (kohlrabi)															
60-70 day, cool-season crops (beets, broccoli, cabbage, carrots, cauliflower, chard, peas)															
75-80 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, tender, warm-season crops (corn)															
70 day, tender, warm-season crops (tomatoes, peppers, eggplant)														FROST	
75-80 day, tender, warm-season crops (cantaloupe, watermelon)															
85 day, tender, warm-season crops (winter squash)															
							70-75 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)							

Glenwood Springs

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

Eagle

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.
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)													FROST		
75 day, cool-season crops															
50 day, semi-tender, warm-season crops (summer squash)															
55 day, semi-tender, warm-season crops															
60 day, semi-tender, warm-season crops (cucumbers)															
60-65 day, cool-season crops (beets, broccoli, cabbage, carrots, cauliflower, chard, peas)															
			FROST	50-55 day, cool-season crops (kohlrabi)											
				40-45 day, cool-season crops (spinach, lettuce)											

Vail

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.
							FROST				FROST				
40-50 day, cool-season crops (spinach, lettuce, kohlrabi)															

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¹D. Whiting, Colorado State University, Cooperative Extension consumer horticulture specialist and Colorado Master Gardener coordinator.

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