



MASTER GARDENER
COLORADO STATE UNIVERSITY
EXTENSION

CMG GardenNotes #748

Climate Summary: Northeast Colorado

Frost Probability and Growing Season Length Summary

		<u>Spring Frost Probability</u>			<u>Fall Frost Probability</u>			<u>Length of "Frost Free" Season (days)</u>		
		90%	50%	10%	10%	50%	90%	10%	50%	90%
Akron	32° threshold	Apr 29	May10	May 20	Sept 17	Sept 30	Oct 13	126	143	160
	28° threshold	Apr 13	Apr 24	May6	Sept 28	Oct 12	Oct 26	123	171	189
	24° threshold	Apr 2	Apr 17	May 2	Oct 5	Oct 20	Nov 4	163	186	209
Burlington	32° threshold	Apr 25	May 7	May 19	Sept 14	Oct 4	Oct 25	122	150	179
	28° threshold	Apr 8	Apr 20	May 2	Sept 29	Oct 15	Nov 1	159	178	198
	24° threshold	Apr 1	Apr 14	Apr 27	Oct 3	Oct 23	Nov 11	168	192	216
Cheyenne Wells	32° threshold	Apr 21	May 5	May 20	Sept 12	Sept 28	Oct 14	125	145	166
	28° threshold	Apr 13	Apr 24	May 6	Oct 1	Oct 17	Nov 1	157	175	193
	24° threshold	Mar30	Apr 13	Apr 26	Oct 03	Oct 21	Nov 9	170	192	213
Fort Morgan	32° threshold	Apr 22	May 2	May 13	Sept 20	Oct 3	Oct 17	137	154	171
	28° threshold	Apr 5	Apr 20	May 5	Sept 29	Oct 13	Oct 27	156	176	197
	24° threshold	Mar 27	Apr 9	Apr 23	Oct 2	Oct 20	Nov 6	169	193	218

		<u>Spring Frost Probability</u>			<u>Fall Frost Probability</u>			<u>Length of "Frost Free" Season (days)</u>		
		90%	50%	10%	10%	50%	90%	10%	50%	90%
Holyoke	32° threshold	Apr 26	May 5	May 15	Sept 20	Oct 2	Oct 15	132	150	168
	28° threshold	Apr 15	Apr 26	May 7	Sept 29	Oct 13	Oct 27	156	170	185
	24° threshold	Mar 29	Apr 13	Apr 27	Oct 4	Oct 18	Nov 2	171	189	207
Kit Carson	32° threshold	Apr 27	May 7	May 18	Sept 17	Sept 29	Oct 12	126	145	164
	28° threshold	Apr 12	Apr 24	May 6	Sept 24	Oct 9	Oct 24	151	168	185
	24° threshold	Apr 4	Apr 16	Apr 29	Oct 1	Oct 17	Nov 3	162	184	205
Sterling	32° threshold	Apr 23	May 4	May 15	Sept 17	Oct 1	Oct 15	131	150	169
	28° threshold	Apr 8	Apr 22	May 5	Sept 27	Oct 11	Oct 25	152	172	192
	24° threshold	Mar 30	Apr 13	Apr 27	Oct 6	Oct 21	Nov 6	170	191	213
Wray	32° threshold	Apr 25	May 7	May 18	Sept 18	Oct 2	Oct 16	134	148	163
	28° threshold	Apr 12	Apr 25	May 9	Sept 28	Oct 11	Oct 24	151	169	186
	24° threshold	Apr 2	Apr 18	May 5	Oct 12	Oct 23	Nov 3	169	187	206
Yuma	32° threshold	Apr 24	May 5	May 17	Sept 20	Oct 2	Oct 14	133	150	166
	28° threshold	Apr 12	Apr 24	May 6	Sept 27	Oct 12	Oct 26	153	171	188
	24° threshold	Apr 3	Apr 15	Apr 27	Sept 30	Oct 17	Nov 2	168	185	202

Site Information	Station	Number	Elevation	Latitude	Longitude
	Akron	50114	4580	40° 7'	103° 10'
	Burlington	51121	4170	39° 18'	102° 16'
	Cheyenne Wells	51564	4250	38° 49'	102° 21'
	Fort Morgan	53038	4320	40° 15'	103° 48'
	Holyoke	54082	3730	40° 35'	102° 18'
	Kit Carson	54603	4280	38° 46'	102° 47'
	Sterling	57950	3940	40° 37'	103° 12'
	Wray	59243	3510	40° 4'	102° 13'
	Yuma	59295	4130	40° 7'	102° 44'

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

- o CMG GardenNotes are available online at www.cmg.colostate.edu.
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