

CMG GardenNotes #750

Climate Summary: Southwest Colorado

| | | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sept | Oct | Nov | Dec | Annual | |
|------------------------------------|--------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--|
| <u>Monthly Temperatures</u> | | | | | | | | | | | | | | | |
| Yellow Jacket | average extreme high | 51 | 56 | 64 | 72 | 81 | 92 | 95 | 92 | 87 | 77 | 64 | 53 | | |
| | normal daily high | 38 | 43 | 50 | 59 | 69 | 82 | 87 | 84 | 76 | 63 | 48 | 40 | 62 | |
| | normal daily low | 15 | 19 | 26 | 31 | 40 | 48 | 54 | 54 | 47 | 37 | 25 | 18 | 35 | |
| | average extreme low | -2 | 1 | 10 | 18 | 27 | 35 | 47 | 47 | 34 | 21 | 8 | 1 | | |
| Cortez | average extreme high | 52 | 59 | 67 | 75 | 82 | 94 | 96 | 93 | 88 | 78 | 65 | 56 | | |
| | normal daily high | 40 | 45 | 53 | 61 | 71 | 83 | 88 | 86 | 78 | 66 | 51 | 41 | 64 | |
| | normal daily low | 13 | 18 | 25 | 30 | 38 | 46 | 54 | 53 | 44 | 33 | 23 | 15 | 33 | |
| | average extreme low | -5 | 1 | 11 | 18 | 25 | 33 | 44 | 46 | 32 | 20 | 9 | 0 | | |
| Mancos | average extreme high | 51 | 56 | 68 | 74 | 80 | 88 | 91 | 88 | 85 | 78 | 66 | 55 | | |
| | normal daily high | 40 | 45 | 53 | 59 | 69 | 79 | 83 | 82 | 76 | 65 | 51 | 40 | 61 | |
| | normal daily low | 15 | 19 | 25 | 29 | 38 | 44 | 51 | 52 | 44 | 32 | 23 | 14 | 32 | |
| | average extreme low | -1 | 5 | 9 | 18 | 25 | 34 | 41 | 46 | 32 | 17 | 48 | -4 | | |
| Durango | average extreme high | 51 | 60 | 65 | 76 | 84 | 93 | 95 | 93 | 88 | 78 | 70 | 55 | | |
| | normal daily high | 39 | 46 | 53 | 62 | 71 | 82 | 87 | 84 | 77 | 66 | 51 | 42 | 63 | |
| | normal daily low | 11 | 16 | 23 | 29 | 36 | 43 | 51 | 49 | 41 | 31 | 21 | 13 | 31 | |
| | average extreme low | -6 | -1 | 10 | 19 | 25 | 33 | 43 | 41 | 29 | 19 | 6 | -2 | | |

| | | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sept | Oct | Nov | Dec | Annual |
|-----------------------|--------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Ignacio | average extreme high | 49 | 57 | 66 | 74 | 84 | 94 | 96 | 93 | 88 | 77 | 65 | 53 | |
| | normal daily high | 39 | 45 | 52 | 62 | 71 | 83 | 88 | 85 | 76 | 65 | 51 | 41 | 63 |
| | normal daily low | 7 | 13 | 21 | 26 | 34 | 42 | 50 | 48 | 40 | 30 | 20 | 10 | 28 |
| | average extreme low | -9 | -2 | 8 | 15 | 22 | 31 | 40 | 40 | 28 | 20 | 6 | -4 | |
| Pagosa Springs | average extreme high | 51 | 57 | 64 | 72 | 79 | 88 | 90 | 88 | 84 | 75 | 63 | 53 | |
| | normal daily high | 38 | 44 | 50 | 58 | 68 | 78 | 83 | 80 | 73 | 63 | 49 | 40 | 60 |
| | normal daily low | 3 | 9 | 18 | 24 | 31 | 37 | 45 | 45 | 37 | 26 | 16 | 6 | 24 |
| | average extreme low | -17 | -10 | 0 | 11 | 20 | 28 | 36 | 36 | 25 | 14 | -2 | -13 | |

Total Monthly Precipitation (inches)

| | | | | | | | | | | | | | | |
|-----------------------|---------|-----|-----|-----|-----|-----|-----|------|-----|-----|------|-----|-----|------|
| Yellow Jacket | normal | 1.2 | 1.2 | 1.4 | 0.9 | 1.3 | 0.6 | 1.6 | 1.6 | 1.6 | 1.9 | 1.5 | 1.1 | 16.0 |
| | maximum | 4.3 | 5.0 | 3.8 | 3.0 | 5.4 | 2.5 | 4.0 | 4.5 | 4.1 | 8.1 | 3.9 | 4.4 | 22.6 |
| Cortez | normal | 1.0 | 0.9 | 1.4 | 0.9 | 1.0 | 0.5 | 1.2 | 1.5 | 1.4 | 1.6 | 1.2 | 1.0 | 13.1 |
| | maximum | 3.2 | 3.2 | 4.6 | 2.5 | 3.7 | 1.8 | 2.4 | 3.3 | 3.4 | 6.6 | 2.8 | 3.0 | 19.9 |
| Mancos | normal | 1.4 | 1.3 | 1.9 | 1.2 | 1.5 | 0.6 | 1.6 | 1.8 | 1.8 | 1.6 | 1.6 | 1.2 | 17.0 |
| | maximum | 4.0 | 3.5 | 4.0 | 2.8 | 5.0 | 1.7 | 3.7 | 3.8 | 3.6 | 7.0 | 3.3 | 3.1 | 22.2 |
| Durango | normal | 1.6 | 1.4 | 1.9 | 1.3 | 1.1 | 0.7 | 1.8 | 2.3 | 2.1 | 2.2 | 1.9 | 1.5 | 19.9 |
| | maximum | 6.9 | 4.8 | 3.7 | 3.0 | 3.0 | 2.0 | 5.4 | 4.3 | 5.1 | 11.8 | 4.6 | 4.2 | 27.3 |
| Ignacio | normal | 1.2 | 1.1 | 1.3 | 0.7 | 0.9 | 0.5 | 1.9 | 1.7 | 1.7 | 1.5 | 1.3 | 1.2 | 16.0 |
| | maximum | 4.7 | 3.4 | 3.8 | 2.3 | 2.3 | 1.7 | 14.7 | 3.5 | 4.5 | 7.0 | 3.5 | 4.4 | 35.2 |
| Pagosa Springs | normal | 1.9 | 1.4 | 1.8 | 1.3 | 1.4 | 0.9 | 1.8 | 2.3 | 2.2 | 2.3 | 1.7 | 1.5 | 21.0 |
| | maximum | 5.3 | 4.0 | 4.7 | 3.8 | 4.3 | 2.5 | 3.8 | 5.4 | 5.7 | 7.8 | 3.4 | 3.5 | 33.8 |

| | | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sept | Oct | Nov | Dec | Annual | |
|--|---------|-------|------|------|------|------|-----|-----|-----|------|------|------|------|--------|--|
| Total Monthly Snowfall (inches) | | | | | | | | | | | | | | | |
| Yellow Jacket | normal | 17.1 | 13.5 | 10.7 | 3.2 | 1.2 | 0 | 0 | 0 | 0 | 1.4 | 7.9 | 13.3 | 63.7 | |
| | maximum | 61.0 | 45.4 | 59.0 | 24.0 | 19.0 | 0 | 0 | 0 | 0 | 11.0 | 28.0 | 38.0 | 137.4 | |
| Cortez | normal | 5.9 | 3.1 | 1.8 | 1.0 | 0 | 0 | 0 | 0 | 0 | 0.3 | 1.4 | 3.7 | 11.1 | |
| | maximum | 27.5 | 15.5 | 16.0 | 6.2 | 0.3 | 0 | 0 | 0 | 0 | 6.2 | 10.5 | 20.5 | 38.0 | |
| Mancos | normal | 9.7 | 7.9 | 4.8 | 1.8 | 0.6 | 0 | 0 | 0 | 0 | 0.4 | 5.2 | 6.6 | 37.2 | |
| | maximum | 39.1 | 20.4 | 20.5 | 8.4 | 5.1 | 0 | 0 | 0 | 0 | 4.4 | 18.8 | 20.3 | 95.0 | |
| Durango | normal | 17.0 | 12.7 | 10.7 | 3.3 | 0.7 | 0 | 0 | 0 | 0 | 1.2 | 5.4 | 13.9 | 65.5 | |
| | maximum | 58.5 | 34.5 | 29.5 | 16.0 | 11.0 | 0 | 0 | 0 | 0 | 17.0 | 22.5 | 33.5 | 130.6 | |
| Ignacio | normal | 6.8 | 2.9 | 2.2 | 0.3 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.5 | | 15.8 | |
| | maximum | 34.00 | 17.0 | 26.0 | 50 | 0 | 0 | 0 | 0 | 0.1 | 6.5 | 5.0 | | 70.1 | |
| Pagosa Springs | normal | 27.2 | 18.7 | 18.0 | 6.3 | 1.0 | 0 | 0 | 0 | 0 | 3.1 | 13.2 | 20.1 | 105.7 | |
| | maximum | 76.0 | 51.0 | 47.0 | 23.0 | 14.0 | 0 | 0 | 0 | 0 | 16.0 | 39.4 | 46.0 | 212.0 | |

| Site Information | Station | Number | Elevation | Latitude | Longitude |
|------------------|----------------|--------|-----------|----------|-----------|
| | Yellow Jacket | 59275 | 6860 | 37° 33' | 108° 44' |
| | Cortez | 51886 | 6180 | 37° 21' | 108° 34' |
| | Mancos | 55327 | 7040 | 37° 21' | 108° 17' |
| | Durango | 52432 | 6550 | 37° 17' | 107° 53' |
| | Ignacio | 54250 | 6420 | 37° 08' | 107° 38' |
| | Pagosa Springs | 56258 | 7110 | 37° 16' | 107° 01' |

Frost Probability and Growing Season Length Summary

| | | <u>Spring Frost Probability</u> | | | <u>Fall Frost Probability</u> | | | <u>Length of Growing Season</u> | | |
|----------------|---------------|---------------------------------|----------------|---------|-------------------------------|----------------|---------|---------------------------------|------------|-----|
| | | 90% | 50% | 10% | 10% | 50% | 90% | 10% | 50% | 90% |
| Yellow Jacket | 32° threshold | May 8 | May 25 | June 10 | Sept 22 | Oct 8 | Oct 23 | 112 | 136 | 160 |
| | 28° threshold | Apr 21 | May 5 | May 19 | Sept 29 | Oct 17 | Nov 4 | 140 | 165 | 191 |
| | 24° threshold | Apr 1 | Apr 20 | May 10 | Oct 9 | Oct 26 | Nov 13 | 163 | 189 | 215 |
| Cortez | 32° threshold | May 10 | May 26 | June 11 | Sept 12 | Sept 27 | Oct 12 | 107 | 124 | 141 |
| | 28° threshold | Apr 26 | May 7 | May 18 | Sept 25 | Oct 12 | Oct 29 | 136 | 158 | 181 |
| | 24° threshold | Apr 12 | Apr 26 | May 10 | Oct 4 | Oct 20 | Nov 5 | 157 | 177 | 198 |
| Mancos | 32° threshold | May 21 | June 4 | June 18 | Sept 15 | Sept 29 | Oct 13 | 93 | 117 | 141 |
| | 28° threshold | Apr 25 | May 13 | May 31 | Sept 17 | Oct 2 | Oct 17 | 115 | 142 | 169 |
| | 24° threshold | Apr 16 | Apr 25 | May 4 | Oct 60 | Oct 17 | Oct 29 | 164 | 175 | 187 |
| Durango | 32° threshold | May 9 | May 25 | June 11 | Sept 8 | Sept 22 | Oct 7 | 98 | 120 | 142 |
| | 28° threshold | May 3 | May 11 | May 19 | Sept 16 | Oct 5 | Oct 25 | 126 | 147 | 169 |
| | 24° threshold | Apr 5 | Apr 22 | May 9 | Sept 23 | Oct 13 | Nov 2 | 143 | 174 | 205 |
| Ignacio | 32° threshold | May 23 | June 9 | June 26 | Sept 7 | Sept 21 | Oct 6 | 78 | 104 | 131 |
| | 28° threshold | May 7 | May 21 | June 4 | Sept 11 | Oct 1 | Oct 20 | 103 | 133 | 164 |
| | 24° threshold | Apr 21 | May 9 | May 27 | Sept 18 | Oct 13 | Nov 7 | 119 | 157 | 195 |
| Pagosa Springs | 32° threshold | June 9 | June 22 | July 4 | Aug 15 | Sept 7 | Sept 30 | 48 | 77 | 107 |
| | 28° threshold | May 18 | June 5 | June 23 | Sept 9 | Sept 23 | Oct 6 | 89 | 110 | 130 |
| | 24° threshold | May 1 | May 17 | June 2 | Sept 23 | Oct 5 | Oct 16 | 121 | 141 | 160 |

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 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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