

CONSUMPTIVE USE OF WATER PER MONTH BY CROP
Arkansas River Valley, Colorado

April 2007

Corn, Grain	
Month	Inches
February	
March	
April	
May	2.20
June	5.32
July	9.63
August	8.41
September	4.19
October	
November	
Total	29.75
Expected Yield = 168	
Bushel/Acre	

Corn, Silage	
Month	Inches
February	
March	
April	0.28
May	2.61
June	6.33
July	9.26
August	5.05
September	
October	
November	
Total	23.53
Expected Yield = 20	
Tons/Acre	

Sorghum, Grain	
Month	Inches
February	
March	
April	
May	0.36
June	3.52
July	8.32
August	7.55
September	3.56
October	0.21
November	
Total	23.52
Expected Yield = 80	
Bushel/Acre*	

Sorghum, Forage/Feed	
Month	Inches
February	
March	
April	
May	0.86
June	4.94
July	9.20
August	6.75
September	2.24
October	
November	
Total	23.99
Expected Yield = 6.3	
Tons/Acre	

Winter Wheat	
Month	Inches
February	
March	1.08
April	4.05
May	6.38
June	3.58
July	0.08
August	
September	1.01
October	2.80
November	0.31
Total	19.29
Expected Yield = 66	
Bushel/Acre	

Spring Wheat/Barley	
Month	Inches
February	0.04
March	0.83
April	3.15
May	5.35
June	7.32
July	2.21
August	
September	
October	
November	
Total	18.90
Expected Yield = 33	
Bushel/Acre	

Dry Beans	
Month	Inches
February	
March	
April	
May	1.44
June	6.69
July	9.38
August	3.76
September	
October	
November	
Total	21.27
Expected Yield = 2000	
lbs/Acre	

Sunflowers	
Month	Inches
February	
March	
April	
May	0.54
June	4.15
July	8.27
August	8.04
September	3.57
October	0.18
November	
Total	24.75
Expected Yield = 2400	
lbs/Acre	

Alfalfa Hay	
Month	Inches
February	
March	0.37
April	2.98
May	5.45
June	8.20
July	9.53
August	7.97
September	5.00
October	1.36
November	
Total	40.86
Expected Yield = 4.85	
Tons/Acre	

Onions	
Month	Inches
February	
March	0.13
April	1.43
May	3.76
June	5.98
July	6.30
August	1.85
September	
October	
November	
Total	19.45
Expected Yield = 350	
cwt/Acre	

Melons	
Month	Inches
February	
March	
April	
May	1.66
June	4.36
July	6.78
August	5.93
September	3.53
October	
November	
Total	22.26
Expected Yield = 220	
cwt/Acre	

Peppers, All	
Month	Inches
February	
March	
April	
May	1.14
June	4.43
July	6.85
August	6.12
September	3.13
October	0.15
November	
Total	21.82
Expected Yield = 248.7	
cwt/Acre*	

Data supplied by the Natural Resource and Conservation Service, Southeastern Colorado, La Junta.
Yield data based on good irrigation supply. Colorado NASS data 1988 through 1997 used.
* Yield data from Colorado NASS not available. FSA NAP T-Yields used.

These data are estimated consumptive water uses by the plant. Information on consumptive use by crop and normal precipitation by month are useful information when completing the producer documentation tool. Irrigation water applied and actual consumptive use amounts may need to be adjusted for specific locations and irrigation system efficiencies.

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