

Estimated 2013 Irrigation Water Supply

Values are in acre-feet unless noted otherwise

	1	2	3	4	5	6	7	8	9	10	11	12	13
	<u>Bessemer</u>	<u>Highline</u>	<u>Oxford</u>	<u>Otero</u>	<u>Catlin</u>	<u>Holbrook</u>	<u>Fort Lyon</u>	<u>Consolidated</u>	<u>Fort Bent</u>	<u>Amity</u>	<u>Lamar</u>	<u>Hyde</u>	<u>Buffalo</u>
Estimated 2013 Delivery to Headgate (Direct Flow plus Net Stored)	35,251	35,658	11,855	5,621	48,377	4,872	57,069	16,158	5,522	13,829	15,657	451	19,952
Range of Estimated Headgate Delivery													
lower	9,369	5,646	1,195	1,631	8,510	0	38,050	2,113	565	102	5,421	294	15,788
upper	61,129	65,665	23,436	9,521	88,209	24,013	243,747	27,152	10,586	35,877	25,893	1,482	24,117
Average Headgate Delivery	54,570	70,806	23,558	6,338	82,403	29,253	220,409	27,573	8,920	45,601	24,922	1,689	19,847
Total Ditch Company Shares	19,739	2,250	1,196	5,144	18,660	16,000	93,989	562	11,651	34,662	26,127	1,500	4,706
Ditch Loss Factor	14%	29%	7%	18%	10%	12%	37%	8%	12%	31%	10%	3%	9%
Yield per share using 2013 Estimate	1.53	11.20	9.18	0.89	2.32	0.27	0.38	26.41	0.42	0.28	0.54	0.29	3.86
Range for Yield per Share													
lower	0.41	1.77	0.93	0.29	0.41	0.27	0.14	5.95	0.17	0.18	0.30	0.19	3.05
upper	2.66	20.62	18.16	1.50	4.23	1.59	1.53	46.88	0.67	0.74	0.79	1.10	4.68
Yield per Share Using Average	2.54	23.77	19.18	1.01	4.21	1.61	1.74	45.08	0.72	0.92	0.90	1.28	3.92

Direct flow supplies were calculated for ditches 1 - 3 and 5 - 8 using correlations developed between the Surface Water Supply Index (SWSI) and historical diversion records for each ditch. The SWSI is an indicator of mountain-based water supply conditions and appears to represent conditions in the Arkansas River Valley above John Martin Reservoir for this season. SWSI values used in the calculations included January and February 2013. More information about the SWSI may be found at: www.water.state.co.us/DWRDocs/Reports/Pages/SWSI For the remainder of the ditches (4 and 9 - 13) the actual irrigation diversions for 2002 were used to calculate direct flow supplies. This value is more representative of dry year conditions than the averages and has been used in previous years to estimate direct flow supplies for all ditches. It is believed that irrigation supplies will be lower than average this season because of lower than average snowpack, reduced Fry Ark allocations and minimal winter water storage.

Use of this information is strictly voluntary. The irrigation water supply diversion estimates were calculated using standard statistical methods in water resources studies. They are developed by those in the business of regulating or monitoring water availability. Estimates are based on the best information available at the time the data are released. Because these numbers are only estimates and are subject to individual interpretation, the state and division engineers cannot be held liable for any loss that might result from an individual relying solely on these diversion estimates for their management decisions. Actual irrigation supplies may differ. The USDA does not control or guarantee the accuracy, relevance, timeliness, or completeness of this information. Producers and/or approved insurance providers may provide information to be used in lieu of or in addition to these figures to support planting decisions.