

Consumptive Use and Irrigation Requirements for Southern Canyon County, Idaho

Top Ten Crops by Acreage in Canyon County***		Nampa			Deer Flat Dam			Kuna		
		Growing Season Pdef*		Irrigation Requirement**	Growing Season Pdef*		Irrigation Requirement**	Growing Season Pdef*		Irrigation Requirement**
		mm	ft	ft	mm	ft	ft	mm	ft	ft
1	Alfalfa (frequent cuttings)	988	3.24	4.63	963	3.16	4.51	986	3.23	4.62
2	Pasture/hay	993	3.26	4.65	964	3.16	4.52	999	3.28	4.68
3	Field Corn	671	2.20	3.14	654	2.15	3.07	706	2.32	3.31
4	Pasture/grass	971	3.19	4.55	939	3.08	4.40	973	3.19	4.56
5	Winter Grain	503	1.65	2.36	498	1.63	2.33	601	1.97	2.82
6	Snap and Dry Beans - Seeds	405	1.33	1.90	386	1.27	1.81	435	1.43	2.04
7	Sugar Beets	909	2.98	4.26	888	2.91	4.16	873	2.86	4.09
8	Mint (herbs)	845	2.77	3.96	875	2.87	4.10	847	2.78	3.97
9	Onions	734	2.41	3.44	707	2.32	3.31	752	2.47	3.52
10	Potatoes (late harvest)	661	2.17	3.10	642	2.11	3.01	702	2.30	3.29
Average		768	2.52	3.60	751.6	2.47	3.52	787	2.58	3.69
Average Irrigation Requirement = 3.60 feet per year										
*Pdef is precipitation deficit from ET Idaho Evapotranspiration and Consumptive Irrigation Requirements for Idaho, 2017, University of Idaho										
**Assumes 70% efficiency for wheel lines or hand lines										
***BSU "The Blue Review" 3/18/2020 based on USDA data										

