

Lawn Irrigation Requirement

Tabulated data found in Appendix B of Montana Irrigation Guide

Station: Belgrade Airport
 Elevation: 4451
 Climatic Zone: 4
 Crop: Turf
 Application
 Efficiency: 85 %
 Irrigated Area: 1000 Square Feet

	Consumptive Use (in)		Effective Precip (in)	Net irrigation (in)	Sprinkler Irrigation (in)	Monthly Irrigation Demand (gal)
	Actual	Adjusted ¹				
May	2.64	2.91	1.11	1.15	1.35	843.45
June	3.98	4.39	1.34	3.05	3.59	2238.47
July	5.51	6.08	0.62	5.46	6.42	4004.87
Aug	4.66	5.14	0.70	4.44	5.23	3258.23
Sept	2.51	2.77	0.67	1.73	2.04	1268.84
Total	19.30	21.30	4.44	15.83	18.63	11613.85

Notes:

1 3% upward adjustment for every 1000' above 1000' ASL

During an average irrigation season (153 days), turf irrigation in this area will require approximately 11,600 gallons per 1000 square feet of lawn for irrigation. This equates to a monthly average of 2,320 gallons per 1000 square feet. As indicated above, some months require higher irrigation levels than others.

Lawn irrigation in excess of these amounts will likely not be utilized by the plants and will therefore percolate beyond the root zone.