

## Wildwings Irrigation Needs - Estimate

08-06-21

Weekly Dates	Irrigation Water		Evaporation Recycle Pond		Canal Fill Loses		Canal Seepage 30%		Total Water to Purchase	
	Gallons	Ac-Ft	Gallons	Ac-Ft	Gallons	Ac-ft	Gallons	Ac-Ft	Gallons	Ac-Ft
Aug										
23	2,730,000	8.38	251,000	0.77	23,000,000	70.56	7,794,300	23.91	33,775,300	103.62
30	2,730,000	8.38	251,000	0.77	23,000,000	70.56	7,794,300	23.91	33,775,300	103.62
Sub Total	5,460,000	16.75	502,000	1.54	46,000,000	141.13	15,588,600	47.83	67,550,600	207.25
Sep										
6	1,911,000	5.86	251,000	0.77	23,000,000	70.56	7,548,600	23.16	32,710,600	100.36
13	1,911,000	5.86	251,000	0.77	23,000,000		7,548,600	1.99	32,710,600	8.62
20	1,911,000	5.86	251,000	0.77	23,000,000		7,548,600	1.99	32,710,600	8.62
27	1,911,000	5.86	251,000	0.77	23,000,000		7,548,600	1.99	32,710,600	8.62
Sub Total	7,644,000	23.45	1,004,000	3.08	92,000,000	70.56	30,194,400	29.13	130,842,400	126.22
Oct										0.00
4	1,911,000	5.86	150,600	0.46	23,000,000	70.56	7,518,480	23.07	32,580,080	99.96
11	1,911,000	5.86	150,600	0.46	23,000,000		7,518,480	1.90	32,580,080	8.22
18	1,911,000	5.86	150,600	0.46	23,000,000		7,518,480	1.90	32,580,080	8.22
25	1,911,000	5.86	150,600	0.46	23,000,000		7,518,480	1.90	32,580,080	8.22
Sub Total	7,644,000	23.45	602,400	1.85	92,000,000	70.56	30,073,920	28.76	130,320,320	124.62
November										
1	1,365,000	4.19	100,400	0.31	23,000,000	70.56	7,339,620	22.52	31,805,020	97.58
8	1,365,000	4.19	100,400	0.31	23,000,000		7,339,620	1.35	31,805,020	5.84
15	1,365,000	4.19	100,400	0.31	23,000,000		7,339,620	1.35	31,805,020	5.84
22	1,365,000	4.19	100,400	0.31	23,000,000		7,339,620	1.35	31,805,020	5.84
29	1,365,000	4.19	100,400	0.31	23,000,000		7,339,620	1.35	31,805,020	5.84
Sub Total	6,825,000	20.94	502,000	1.54	115,000,000	70.56	36,698,100	27.9130	159,025,100	120.96
Totals	27,573,000	84.59	2,610,400	8.01	345,000,000	352.82	112,555,020	133.63	487,738,420	579.05

**Notes:**

1. Assumed filling the canal 15 feet wide x 4 feet deep
2. Assumed 30% irrigation system loss
3. Assumed 100% loss from canal each week when not pumping for 2.5 days a week
4. Schedule water at 1,300 gpm for 8 hrs/day for 4.5 days per week in August,