



SHOEMAKER PUMPS

Surface Water Reference Volumes 1/4 inch to 1 inch

Acres	1/4" Gallons/Acre	Total Gallons	To drain 24 hrs	To drain 12 hrs	To drain 6 hrs
			GPM	GPM	GPM
25	6,788	169,700	118	236	471
50	6,788	339,400	236	471	943
75	6,788	509,100	354	707	1,414
100	6,788	678,800	471	943	1,886
125	6,788	848,500	589	1,178	2,357
150	6,788	1,018,200	707	1,414	2,828
175	6,788	1,187,900	825	1,650	3,300
200	6,788	1,357,600	943	1,886	3,771

Acres	1/2" Gallons/Acre	Total Gallons	To drain 24 hrs	To drain 12 hrs	To drain 6 hrs
			GPM	GPM	GPM
25	13,576	339,400	236	471	943
50	13,576	678,800	471	943	1,886
75	13,576	1,018,200	707	1,414	2,828
100	13,576	1,357,600	943	1,886	3,771
125	13,576	1,697,000	1,178	2,357	4,714
150	13,576	2,036,400	1,414	2,828	5,657
175	13,576	2,375,800	1,650	3,300	6,599
200	13,576	2,715,200	1,886	3,771	7,542

Acres	3/4" Gallons/Acre	Total Gallons	To drain 24 hrs	To drain 12 hrs	To drain 6 hrs
			GPM	GPM	GPM
25	20,364	509,100	354	707	1,414
50	20,364	1,018,200	707	1,414	2,828
75	20,364	1,527,300	1,061	2,121	4,243
100	20,364	2,036,400	1,414	2,828	5,657
125	20,364	2,545,500	1,768	3,535	7,071
150	20,364	3,054,600	2,121	4,243	8,485
175	20,364	3,563,700	2,475	4,950	9,899
200	20,364	4,072,800	2,828	5,657	11,313

Acres	1" Gallons/Acre	Total Gallons	To drain 24 hrs	To drain 12 hrs	To drain 6 hrs
			GPM	GPM	GPM
25	27,152	678,800	471	943	1,886
50	27,152	1,357,600	943	1,886	3,771
75	27,152	2,036,400	1,414	2,828	5,657
100	27,152	2,715,200	1,886	3,771	7,542
125	27,152	3,394,000	2,357	4,714	9,428
150	27,152	4,072,800	2,828	5,657	11,313
175	27,152	4,751,600	3,300	6,599	13,199
200	27,152	5,430,400	3,771	7,542	15,084

Note: Surface Water doesn't not account for ground type, saturation, additional run off and percipitation