



SHOEMAKER PUMPS

Surface Water Reference Volumes 1 inch to 6 inch

Acres	1" = Gallons/Acre	Total Gallons	To drain 24 hrs GPM	To drain 12 hrs GPM	To drain 6 hrs 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

Acres	2" = Gallons/Acre	Total Gallons	To drain 24 hrs GPM	To drain 12 hrs GPM	To drain 6 hrs GPM
25	54,304	1,357,600	943	1,886	3,771
50	54,304	2,715,200	1,886	3,771	7,542
75	54,304	4,072,800	2,828	5,657	11,313
100	54,304	5,430,400	3,771	7,542	15,084
125	54,304	6,788,000	4,714	9,428	18,856
150	54,304	8,145,600	5,657	11,313	22,627
175	54,304	9,503,200	6,599	13,199	26,398
200	54,304	10,860,800	7,542	15,084	30,169

Acres	3" Gallons/Acre	Total Gallons	To drain 24 hrs GPM	To drain 12 hrs GPM	To drain 6 hrs GPM
25	81,456	2,036,400	1,414	2,828	5,657
50	81,456	4,072,800	2,828	5,657	11,313
75	81,456	6,109,200	4,243	8,485	16,970
100	81,456	8,145,600	5,657	11,313	22,627
125	81,456	10,182,000	7,071	14,142	28,283
150	81,456	12,218,400	8,485	16,970	33,940
175	81,456	14,254,800	9,899	19,798	39,597
200	81,456	16,291,200	11,313	22,627	45,253

Acres	6" Gallons/Acre	Total Gallons	To drain 24 hrs GPM	To drain 12 hrs GPM	To drain 6 hrs GPM
25	108,608	2,715,200	1,886	3,771	7,542
50	108,608	5,430,400	3,771	7,542	15,084
75	108,608	8,145,600	5,657	11,313	22,627
100	108,608	10,860,800	7,542	15,084	30,169
125	108,608	13,576,000	9,428	18,856	37,711
150	108,608	16,291,200	11,313	22,627	45,253
175	108,608	19,006,400	13,199	26,398	52,796
200	108,608	21,721,600	15,084	30,169	60,338

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