

Snow to Water Calculation Table

<u>Snow Type</u>	<u>Snow Density (Lb/Ft³)</u>	<u>Theoretical Water per Acre-Ft Snow (Gallons)</u>	<u>Loss Factor (%)</u>	<u>Adjusted Water per Acre-Ft Snow (Gallons)</u>
Dry	24	125400	45%	182000
	26	135800	40%	190000
Medium	28	146300	35%	198000
	30	156700	30%	204000
Wet	32	167200	20%	201000

Water per Acre-Ft Snow = Snow Density (Lb/Ft³) / 8.338 (Lb/Gal) x 43,560 (Ft²/Acre)

For System Capacity Calculations, use 200,000 gal water per acre-ft snow

<u>Snow Density (Lb/Ft³)</u>	<u>Snow Density</u>	<u>Snow Density (kg/M³)</u>	<u>Water per Snow Volume (L/M³)</u>
25	0.4	400	400
28	0.45	450	450
31	0.5	500	500