



Lancaster County experiences an average yearly rainfall of 42 inches per year with approximately 7 rain storms on average over one inch and approximately 24 storms that produce a half-inch.

Total Storm depth	Roof area (in square-feet)					
	800	700	600	500	400	300
1.0 inch storm	499 gal	436 gal	374 gal	312 gal	249 gal	187 gal
.7 inch storm	349 gal	305 gal	262 gal	218 gal	174 gal	131 gal
.5 inch storm	249 gal	218 gal	187 gal	156 gal	125 gal	94 gal

One inch of rain on a 1000 square foot roof yields 623 gallons of water. To calculate the yield of your roof multiply the square footage of your roof by 625 and divide by 1000.

500 square foot roof in a one inch rain storm yields 312.5 gallons of water x 42 inches per year = 13,125 gallons captured or diverted.

1000 square feet = 623 gallons

83.3 cubic feet x 7.48 gallons = 623