Average Rainfall in Inches (29-year average)

weather data: www.ocs.oregonstate.edu/county_climate/lincoln_files/lincoln.html

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Annual
Days in Month	31	28	31	30	31	30	31	31	30	31	30	31	365
Newport Rainfall	10.25	8.69	7.74	4.87	3.68	2.72	1.04*	1.02*	2.39	5.12	10.67	11.38	69.57
Otis Rainfall	14.13	11.81	10.81	7.22	5.25	3.72	1.72	1.66	3.8	7.56	14.63	15.82	98.13

*July / August evaporation equals precipitation

Water Requirements per Person *

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Annual
Ounces/day/person	1984	1792	1984	1920	1984	1920	1984	1984	1920	1984	1920	1984	23,360

Total requirements per year = 23,360 oz or 182.5 gallons

*Assume 64 oz/day for drinking water = 1/2 gallon

Water Collection per square foot*

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Annual
Water (oz) Newport	817.85	693.38	617.57	388.58	293.63	217.03			190.70	408.52	851.36	908.01	5550.99

* Assume 1" deep. Thus, volume is 1" x 12" x 12" = 144 cu in = 79.79 fluid oz (0.554113 oz per cu in)

Square feet required per person (1" deep)*

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Annual Average
Square feet required per person (1" deep)	2.43	2.58	3.21	4.94	6.76	8.85			10.07	4.86	2.26	2.18	4.21

Conclusion

One person requires 4.21 square feet minimum (1" deep) of collection assuming an annual average.
In case an emergency occurs at the start of the summer, store 45 gallons of water per person.
In high rainfall months, begin storing water for use in low rainfall months.
Adjust your requrements accordingly (number of people in household, number of pets,
bathing, sanitation, cooking, etc).