

**dimensions of the box**

height        2 ft  
length        2 ft  
depth         2 ft  
  
cistern volume    7.6 cft  
                         56.85 gal

assumed rainfall area covered by the box:        12 sf

**watering need**

Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
tomato plant													
day after transplanting					0	30	60	90	100				
watering need (gal per sf per day)						0.05	0.19	0.21	0.2				
watering need (gal per box per month)						6.00	22.80	25.20	24.00				
rainfall in Auburn, WA													
Inch	5.3	4.47	4.08	2.87	2.06	1.74	0.88	1.2	1.75	3.37	6.06	5.81	39.59
volume of water incoming to the cistern (gal)	39.64	33.44	30.52	21.47	15.41	13.02	6.58	8.98	13.09	25.21	45.33	43.46	296.13