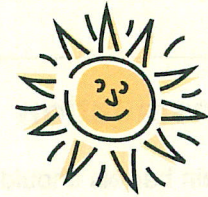




Rain Barrels

Save it for a Sunny Day!



With a huge push to go “green” lately, homeowners have turned to installing and using rain gardens and rain barrels. Rain barrels are large containers, which come in plastic, wood, or clay, and come in various sizes. These barrels collect water from the roof top that comes down the downspouts. They have many advantages that benefit homeowners as well as the environment.

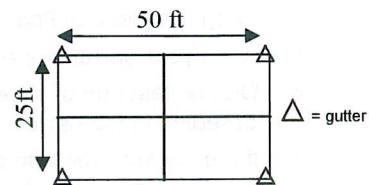
Benefits:

- Cost-effective alternative to using tap water for watering your lawn and garden.
- This is great for organic gardeners.
- Helps reduce excess runoff into our streams, storm sewer systems and Lake Erie.
- Takes advantage of already existing source of fresh rainwater
- Helps to keep yards, basements, and crawl spaces from flooding.
- Applicable to all types of sites (residential/commercial/industrial).
- Inexpensive to install and maintain.

How Much Water Can I Collect?

- First you need to calculate your downspout drainage.
Downspout Drainage = Area of roof/number of downspouts
Area = length x width
- Then find out how many gallons of water will drain from your roof in a one inch rain (use the table below).
- Finally divide the total gallons by the desired container size of your barrel.

EXAMPLE



Area= 50 x 25 = 1250 sq. ft.
Downspout drainage = 1250/4 = 312
Gallons of Water (1in. Rain) =702
Max barrels = 12-13

Roof Size Sq. Ft.	Gallons of Water (1 in. Rain)	Roof Size Sq. Ft.	Gallons of Water (1 in. Rain)	Roof Size Sq. Ft.	Gallons of Water (1 in. Rain)
50	28	1000	562	2000	1124
100	56	1100	618	2100	1184
200	112	1200	674	2200	1236
300	168	1300	730	2300	1292
400	224	1400	787	2400	1348
500	280	1500	843	2500	1405