To check the level of water in containers, just take your attached hose and raise it until the water stops running out. This is the water level.

15,000 x 0.623 = 9,345 gallons of rainwater/year

- Multiply the number by 0.623 (this is how many gallons there are in one square foot, one inch deep in water).
- Multiply the collection area by rainfall in inches (e.g., 1,000 sq. ft. x 1.5 inches/year = 1,500 sq. ft.).
- Measure the square footage of your collection area (e.g., 20' x 50' = 1,000 sq. ft.).

More specifically:

**How Much Rainwater Can I Collect?**

In General, 1,000 sq. ft. = 600 gallons in a 1” rain.

**Pressure Formula:** For each foot in elevation, you get 4.33 ps. Another way to figure it, for 1 ps, you need to have 2.31 feet in height.

You may use a drip product called “T-17G,” which works on 2-10 ps. However, just turning through a hose works wonderfully.

Put the batteries on cement blocks for easier access to the containers and to get a little more pressure. Dip and smother hoses need about 15-20 ps.

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This system is designed to add batteries if you want. You can take the design (your favorite hardware store) and ask for their assistance in putting it together.

**Flexible connections between batteries will reduce leakage if the batteries shrink.**

**Adding to the Existing System:**

1. Increase the pressure (5)
2. Increase the water pressure (1)
3. Increase the amount of water (2)
4. Change the components to accommodate the new pressure (3)
5. Add a filter and a water treatment system (3)

COOKING ON THE GO: It is impossible to clean out. Ready-made batteries are available from dealers, catalogues, gunsmiths, and hardware stores.

**Rain Water Harvesting — A 55 Gallon Barrel Design**