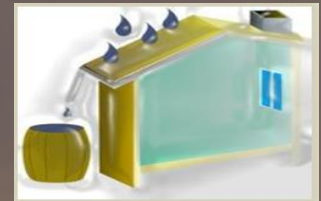


## WORRIED ABOUT DROUGHT?

# Rainwater Catchment is

Clean, Green, & Effective



**Use Rainwater** to irrigate your garden as a Low Impact Development (LID) strategy.

Harvesting roof runoff **saves water, energy, and money.**

You can store water in tanks or cisterns or in the soil as rain-gardens and swales.

**Not Potable** - Rainwater caught from your rooftop is not safe for uses other than landscape irrigation without a permit.

### Here is How to Collect it

- 1) Calculate roof area leading to each gutter, then calculate how much rain you can capture (1" storm on a 1000 ft<sup>2</sup> roof yields 625 gallons of water). Fort Bragg Rainfall = 30-40 in/year. Collect some!
- 2) Find best location for tank with regard to setbacks, gravity flow, soil stability, proximity to end use irrigation, etc.
- 4) Tall tanks provide more pressure for irrigation. Tank height should not exceed twice the tank width without engineering for earthquake safety and must not exceed 12 feet without a permit.
- 5) Make sure gutters slope at about 1% to the tank for gravity flow and clean gutters. Consider using downspout filters and first-flush options to keep tanks cleaner. Install mosquito screens on tank inlets and outlets.
- 6) Convey tank overflow pipe from tank to a rain garden or swale.



*Funding for outreach provided in part through agreement with California State Water Resources Control Board.*

*More info available soon at [city.fortbragg.com](http://city.fortbragg.com) in new storm water page **free LID Workshop May 20, 2014!***

*\*No permit is required for basic systems - such as tanks to be filled from roof runoff that are less than 5000 gallons, are at ground level, and meet existing setback requirements\**

