

## RAIN BARREL PICTURE GALLERY



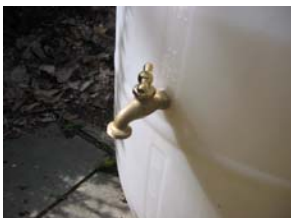
Lower hose barb and attached vinyl hose.



Upper hose barb for water overflow.



Top hole for water entry



Optional ball valve for filling a bucket.

### BARREL SOURCES:

- Adair Salvage (\$20)  
<http://www.adairsalvage.com/>
- Maxi Containers (\$15-\$65),  
<http://www.maxicontainer.com>
- <http://www.greatlakesrainbarrel.com/>
- <http://www.michiganrainbarrels.com/>
- <http://mirainbarrel.com/>

### INTERNET SITES:

- [www.dnr.state.md.us/ed/rainbarrel.html](http://www.dnr.state.md.us/ed/rainbarrel.html)
- <http://www.youtube.com/watch?v=MGFDikJOdaM> (how to video)
- [www.savingwater.org/docs/rainbarrels.pdf](http://www.savingwater.org/docs/rainbarrels.pdf)



For more information contact:

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**TO PROTECT, ENHANCE,  
AND CELEBRATE  
THE CLINTON RIVER, ITS  
WATERSHED AND LAKE ST. CLAIR**

## THE RAIN BARREL



# HOW TO BUILD A RAIN BARREL

## WHAT IS A RAIN BARREL?

A rain barrel is a device that collects the rain water from your roof and holds it until you need it to water your landscaping or lawn.

## ADVANTAGES OF A RAIN BARREL:

- Saves thousands of gallons of water during the summer
- Reduces pollution by reducing storm water run off
- Relieves water treatment plants of unnecessary treatment of rain water saving natural resources
- Provides water without chlorine, lime or calcium which is better for your landscaping, and lawn



## TOOLS NEEDED:

- 55 Gallon drum (see sources)
- 2-3/4" thread hose barb for 1/2" ID hose
- 1-5/8" Thread hose barb for 1/2" ID hose
- Optional: 3/4" Thread ball valve faucet
- 1/2" ID vinyl hose (4 ft section and enough for your specific application)
- 3-Hose clamps to fit vinyl hose OD
- PVC pipe sealant
- Teflon tape
- 4" Atrium grate
- 7" Diameter screen material (for mosquito control)
- 4.5" Diameter to 3"x4" downspout adapter offset
- 2"x3" Flex-elbow downspout
- Drill with 3/4" drill bit
- Jig saw or equivalent
- Flat screwdriver
- Scissors
- Pliers

## PARTS NEEDED:

- 1) 2"x3" flex elbow
  - 2) 4.5" diameter to 3"x4" downspout adapter offset
  - 3) Mosquito screen
  - 4) 4" atrium grate
- Picture of rain water downspout setup:



## ASSEMBLY:

1. Drill 3, 3/4" holes: a) 2"-3" above the bottom b) 12" above the bottom c) 2" from top
2. Thread and remove 3/4" hose bars into top and bottom holes
3. Thread and remove optional ball valve faucet in center hole
4. Apply Teflon tape and PVC pipe sealant to ball valve thread and both barb threads
5. Completely thread barbs and ball valve into holes. Let dry for 24 hrs
6. Cut 4" diameter hole in center of top of barrel
7. Insert atrium grate upside down into hole
8. Lay screen over grate and push downspout adapter over grate
9. Trim screen to size
10. Attach hose to lower barb with hose clamp
11. Attach 5/8" hose barb to free end of vinyl hose with hose clamp (garden hose would be attached to this end)