

Self-guided RAIN WATER HARVESTING TOUR Sierra Vista Arizona



COCHISE COUNTY

Water Wise Program
Cooperative Extension
University of Arizona

Extension Offices

Sierra Vista 1140 N Colombo Avenue
Sierra Vista, AZ 85635
520-458-8278 x2139
Bisbee 66 Brewery Gulch
Bisbee, AZ 85603
Willcox Cochise County Bldg.
450 S Haskell, Willcox, AZ 85643



Water Wise Community

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Water Wise offers free xeriscape, drip irrigation and rain harvesting consultations!

A qualified water conservation educator will be happy to visit your home or business to give you strategies to save water at your location.

To schedule a visit, call 520-458-8278 x2139

For more water conservation information, visit: www.waterwise.arizona.edu

Water Wise events and times are subject to change. For current details, please check: www.waterwise.arizona.edu or facebook.com/waterwise



1 Roof Size 	2 Rainfall
3 Storage Size 	4 H2O Demand



How much can you catch?



Diagram Courtesy of *Rain Harvesting in Drylands and Beyond* by Brad Lancaster

For centuries, human societies have struggled to survive in water-scarce environments. Renewed interest in water harvesting has been sparked in the Southwest by ever increasing demands on limited amounts of surface and ground water.

Did you know that a 1,000 sq ft collection area will yield 600 gallons in a 1" rain?

1. Measure the area the roof for example, 30 feet wide x 50 feet long = 1500 sq ft
2. Multiply by rainfall in inches for example, 15" (average per year in Sierra Vista, AZ)
3. Multiply by 0.623 gallons (amount of volume on 1 sq ft 1 inch deep)
4. $1500 \text{ sq ft} \times 15'' \times 0.623 = 14,000$ gallons of collected water annually!

For detailed information on local rain harvesting sites in Cochise County, visit: <https://waterwise.arizona.edu/harvest-rain>

STOPS ON THE RAIN HARVEST SELF-GUIDED TOUR SIERRA VISTA, AZ

1. Cochise College: East entrance road <ul style="list-style-type: none"> 10,000-gal silver galvanized steel near Parking Lot E 18,000-gal silver galvanized steel near Parking Lot D WMG Passive Rain Harvesting site near Student Union 	1140 N. Colombo Avenue Sierra Vista, AZ 85635	Landscape irrigation & storm water control
2. University of Arizona Sierra Vista Discovery Garden <ul style="list-style-type: none"> 25,000-gal copper colored galvanized steel tank behind Groth Hall 660-gallon corrugated metal pipe cistern collects rainwater from the Cooperative Extension Building, Building 200 on the northwest side of the Discovery Garden 	1140 N Colombo Avenue Sierra Vista, AZ 85635	Landscape irrigation & stormwater control
3. City of Sierra area between Vista Police Station & Sierra Vista City Hall <ul style="list-style-type: none"> 10,000-gal tank Passive rain harvesting basins over 55,000 square feet area Two 5,000-gal (?) tanks SW City Hall 	1011 N. Coronado Dr. Sierra Vista, AZ 85635	Landscape irrigation & stormwater control
4. Sierra Vista Public Library Sara Gibbs Botanical Garden (behind library) <ul style="list-style-type: none"> Passive rain harvesting dry washes feed with library roof capture Parking lot rain gardens, vegetated islands to absorb stormwater 	2600 E. Tacoma Sierra Vista AZ 85635	Irrigation & storm water control
5. Southwest Gas: SW Gas <ul style="list-style-type: none"> Large-scale passive rain harvesting basins 	4411 Industry Drive Sierra Vista, AZ 85635	Landscape irrigation & stormwater control
6. ACE Hardware Garden Section <ul style="list-style-type: none"> 2,500-gallon tank 	3756 E Fry Blvd Sierra Vista, AZ 85635	Watering plants for sale
7. Sonic Drive-In Restaurant <ul style="list-style-type: none"> 5,000-gallon blue polyethylene tank 	3640 E Fry Blvd Sierra Vista, AZ 85635	Landscape irrigation
8. Rothery Education Service Center <ul style="list-style-type: none"> 12,000-gal galvanized steel cistern 	3305 E Fry Blvd Sierra Vista, AZ 85635	Landscape irrigation
9. Sierra Vista Fire Dept. Station #1 <ul style="list-style-type: none"> 5,000-gal polyethylene cistern 	1295 E Fry Blvd, Sierra Vista, AZ 85635	Washing vehicles
10. Wells Fargo Bank, along Canyon Drive <ul style="list-style-type: none"> Rain harvesting basins 	55 E Fry Blvd. Sierra Vista, AZ 85635	Storm water control & landscape irrigation
11. Salvation Army <ul style="list-style-type: none"> 18,400-gal tank 	180 E Wilcox Dr. Sierra Vista, AZ 85635	[?]
12. Sierra Vista Food Coop <ul style="list-style-type: none"> 2,500-gal tank in back Tbd tank in front 	96 S Carmichael Ave Sierra Vista, AZ 85635	Flushing toilets & raised beds irrigation
13. Sierra Vista Boys and Girls Club <ul style="list-style-type: none"> 5,828-gal welded galvanized steel tank 	1746 Paseo San Luis Sierra Vista, AZ 85635	Flushing toilets
14. Sierra Vista Fire Dept. Station #2 <ul style="list-style-type: none"> 5,000-gal polyethylene cistern 	4127 Avenida Cochise Sierra Vista, AZ 85635	Washing vehicles
15. Highway 92 Walking Path <ul style="list-style-type: none"> Right-of-way that runs alongside the east side of highway 	92 south of Foothills Drive	Stormwater control & tree irrigation
16. Pueblo Del Sol Country Club <ul style="list-style-type: none"> 30,000-gal galvanized steel cistern 	2770 Saint Andrews Dr. Sierra Vista, AZ 85650	Landscape irrigation
17. Fry Fire District, Yaqui Fire Station <ul style="list-style-type: none"> 5,000-gal polyethylene cistern 10,000-gal polyethylene cistern 	4817 S Apache Ave. Sierra Vista, AZ, 85650	Washing vehicles
18. Ramsey House, Ramsey Canyon <ul style="list-style-type: none"> 1,320-gal polyethylene cistern (2) 1,500-gal polyethylene cisterns 	27 E Ramsey Canyon Rd. Hereford, AZ 85615	Landscape irrigation
19. Carr Canyon House <ul style="list-style-type: none"> 1,500-gal cistern 	1011 E Carr Canyon Rd. Hereford, AZ 85615	Landscape irrigation
20. San Pedro House, Upper San Pedro Conservation Area <ul style="list-style-type: none"> 1,550-gal polyethylene tank, two 100-gal tanks, four 200-gal tanks 	HW 90 Sierra Vista, AZ 85650	Landscape irrigation
21. Nancy J. Brua Animal Care Center <ul style="list-style-type: none"> 2,500-gal metal cistern 	6799 E. Highway 90 Sierra Vista, AZ 85635	Landscape irrigation
22. Environmental Operations Park <ul style="list-style-type: none"> Retention basins for treated waste water 	E Dake Road off of Highway 90	Supply water for wildlife habitat
23. Lowes of Sierra Vista, Garden Section <ul style="list-style-type: none"> 2,500-gal polyethelene tank 	3700 Martin Luther King Pkwy	Watering plants for sale