

## Summer Workshop Series

Look for more information on AWAC Water-Smart Workshops offered through out the summer. Topics may include:

- *Drip Irrigation Design & Installation*
  - *Soils, Plants and Water*
  - *Low Water Use Landscaping*
  - *Maintaining Desert Plants/Plant Problems*
    - *Irrigation Controllers*
    - *Irrigation Maintenance and Troubleshooting*

Contact your local water provider for more details.

### Our Mission

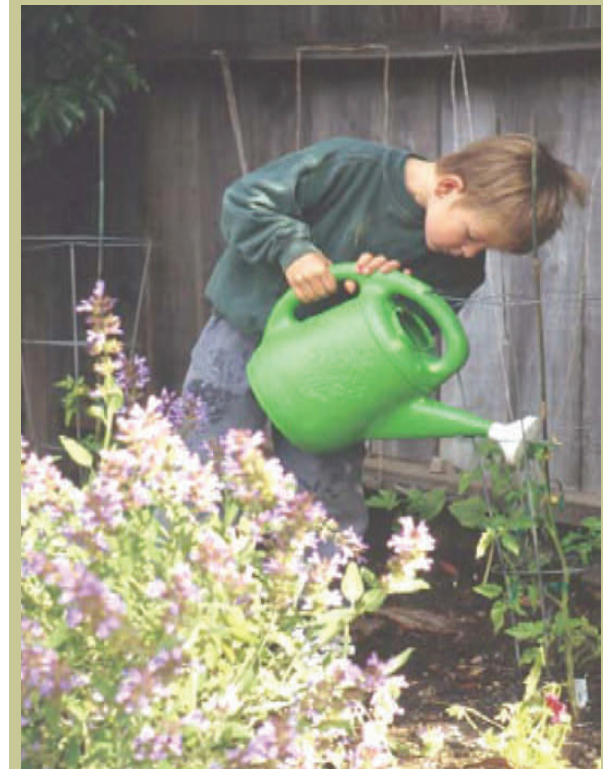
To promote the efficient use of water and increase community awareness of conservation as an important tool to help ensure an adequate water supply for today and tomorrow.

## Participating AWAC Agencies

Adelanto, City of  
Apple Valley Ranchos Water Company  
Apple Valley, Town of  
Apple Valley Heights County Water District  
Barstow, City of  
Barstow Community College  
Bighorn-Desert View Water Agency  
Bureau of Land Management  
Copper Mountain College  
Golden State Water Company  
Helendale Community Services District  
Hesperia, City of  
Hi-Desert Water District  
Joshua Basin Water District  
Juniper Riviera County Water District  
Mariana Ranchos County Water District  
Mojave Desert & Mountain Integrated Waste Management  
Mojave Desert Resource Conservation District  
Mojave Water Agency  
Mojave Weed Management Area  
San Bernardino County Special Districts  
University of California, Cooperative Extension  
Victor Valley College/Agriculture & Natural Resources Department  
Victor Valley Wastewater Reclamation Authority  
Victorville Water District



## Water-Smart Irrigation



For more information on conserving water call your local water provider or go to the AWAC website at:

[www.hdawac.org](http://www.hdawac.org)

# Are you watering wisely?

Over half of the water used by a typical residence or business goes to irrigating the landscape. Much of this water is wasted through inefficient watering practices. Using water more efficiently on the landscape is an important way to conserve the groundwater we depend on.



## Watering Tips

- ◆ Water during the early morning to prevent water wasted to evaporation and wind.
  - ◆ Water lawns and plants separately as they have different watering needs.
  - ◆ Use a kitchen timer or alarm clock to remind you when to turn off manual irrigation systems.
  - ◆ Avoid spray heads or sprinklers that emit a high and fine mist that will easily evaporate.
- ### Lawn Irrigation
- ◆ Aerate turf early in the summer to allow water and air to effectively reach the roots.
  - ◆ Break up your watering times if water puddles or runs off your lawn.
  - ◆ Mow high to retain moisture and protect roots from the sun.
  - ◆ Water your grass only when it needs it. If you step on the grass and it springs back up, then you can wait to water.

## Irrigation Maintenance

- With your irrigation system running, check all heads to make sure they are working and that their spray is directed only at plants, not at sidewalks, driveways, or the street.
- Check all hoses, valves, and piping for leaks regularly, even a small leak can waste hundreds of gallons a day.
- Adjust your timer monthly based on the weather. Many timer manuals can be found on-line if you need help.
- Install a rain shut-off device or moisture sensor to turn off your irrigation system when it rains.
- Disconnect and drain all hoses and irrigation piping during the winter.
- Insulate exposed pipes in the winter to prevent them from freezing and bursting.



A variety of drip emitters is available to handle the different watering needs of your plants.

## Drip Irrigation

### What is it?

◆ Drip irrigation is the slow application of water directly to the root zone of the plant.

### Why should I use a drip system?

◆ Drip is the most efficient way of watering plants, shrubs, and trees. Because it applies water directly to the root zone, drip loses little water to evaporation and wind unlike spray systems.

◆ Drip uses only a few (1-4) gallons **per hour** as opposed to a spray system that uses several (1-5) gallons **per minute**. Thus, it is a great way to conserve water on your landscape.

### What are the basic components of a drip system?

- ◆ Backflow preventer
- ◆ Pressure regulator
- ◆ Filter
- ◆ Drip emitters
- ◆ Poly tubing
- ◆ Micro-tubing
- ◆ Drip fittings

