

DRIP IRRIGATION

What is Drip Irrigation? Drip irrigation is the slow application of water directly to the plant's root zone. Drip irrigation can provide optimum moisture level in the soil at all times, resulting in less water lost to the sun and wind. With drip irrigation, water is not wasted on non-growth areas, and the root zone is maintained at a steady moisture level, combining the proper balance of water and air for a very efficient irrigation system.

Drip irrigation can be used to ensure proper watering of all of your plant needs including berries, fruit trees, grapes and even gardens.

How does it benefit a vineyard? Drip irrigation in vineyards provides excellent water management, allows better fruit production and reduces problems of unwanted mold growth. It also ensures large fruit size and fruit quality. A shortage of available soil moisture greatly reduces the normal growth rate of a grapevine. Grapevines are quite tolerant to drought, but when heavily stressed, plant growth almost stops.

How hard is Drip Irrigation to use? Drip irrigation is an easy, cost efficient way to maintain the necessary watering requirements in your plants. We sell everything you need to set up drip irrigation in your vineyards or other plant areas.

Setting up Drip Irrigation in your Vineyard: Below is information and a diagram to help you set up your irrigation for your

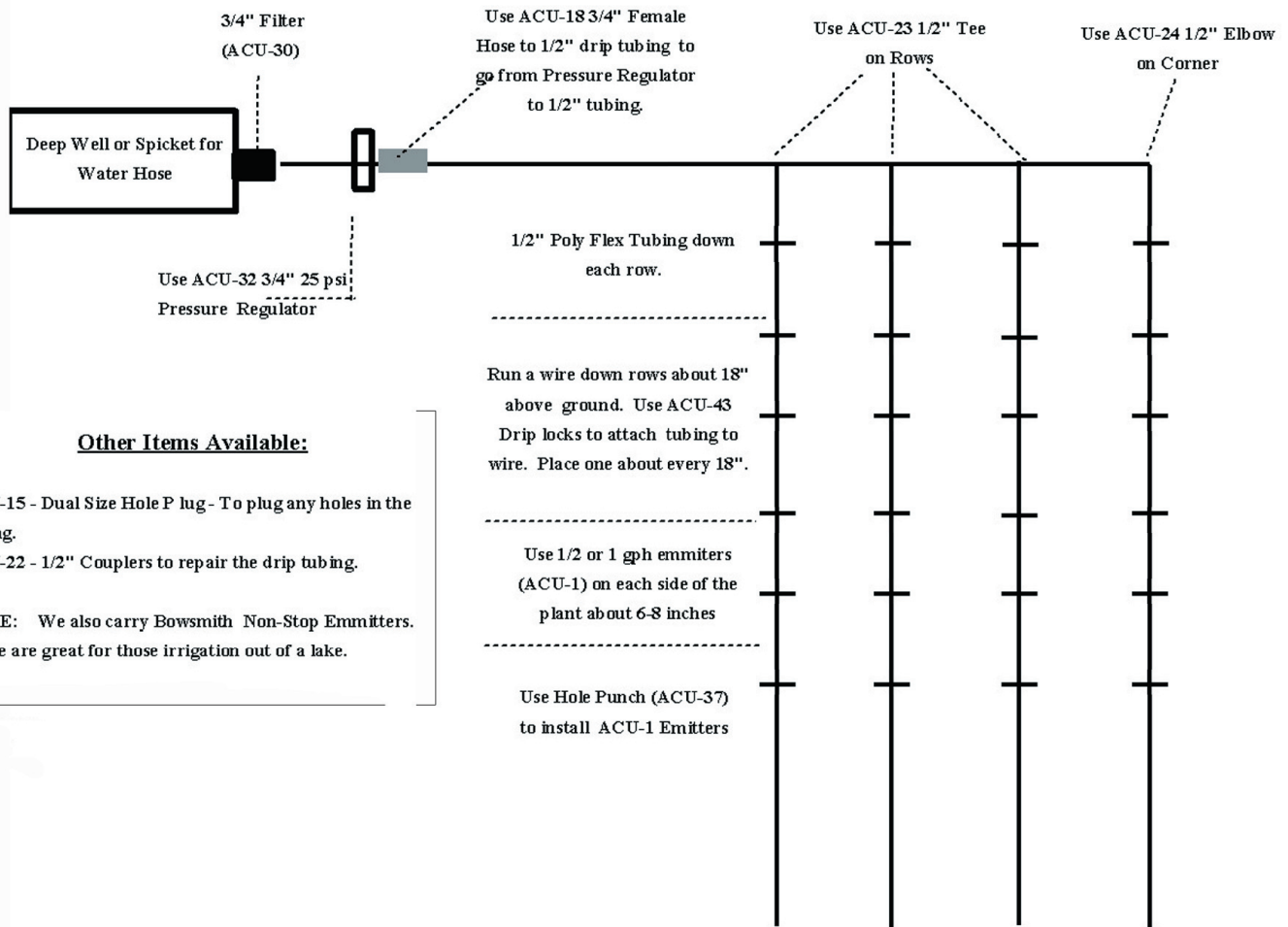
vineyard.

Water Source: You can run the main line to the vineyard using PVC pipe buried under ground. This way you can mow through the rows without having to worry about your mainline. If you choose not to do the PVC pipe, you can just use a water hose going from the faucet to your vineyard. You would use (ACU-18) female hose adapter to do this. We recommend using a Pressure Regulator of about 25psi (ACU 32) to ensure the best pressure for your emitters.



When is the best time to water? Water in the morning, when humidity is high and temperature is low. Allow the soil to dry slightly between watering. This enables air to mix with the soil particles and aid in plant growth. For the backyard grower we recommend watering three times a week for 8 - 10 hours at a time. If you have had a lot of rainfall, this would be decreased.

IRRIGATION FOR BACKYARD VINEYARD



Other Items Available:

ACU-15 - Dual Size Hole P lug - To plug any holes in the tubing.

ACU-22 - 1/2" Couplers to repair the drip tubing.

NOTE: We also carry Bowsmith Non-Stop Emitters. These are great for those irrigation out of a lake.

Use ACU-26 Fig 8 or ACU-25 Flushable

End Cap at the end of each row.