

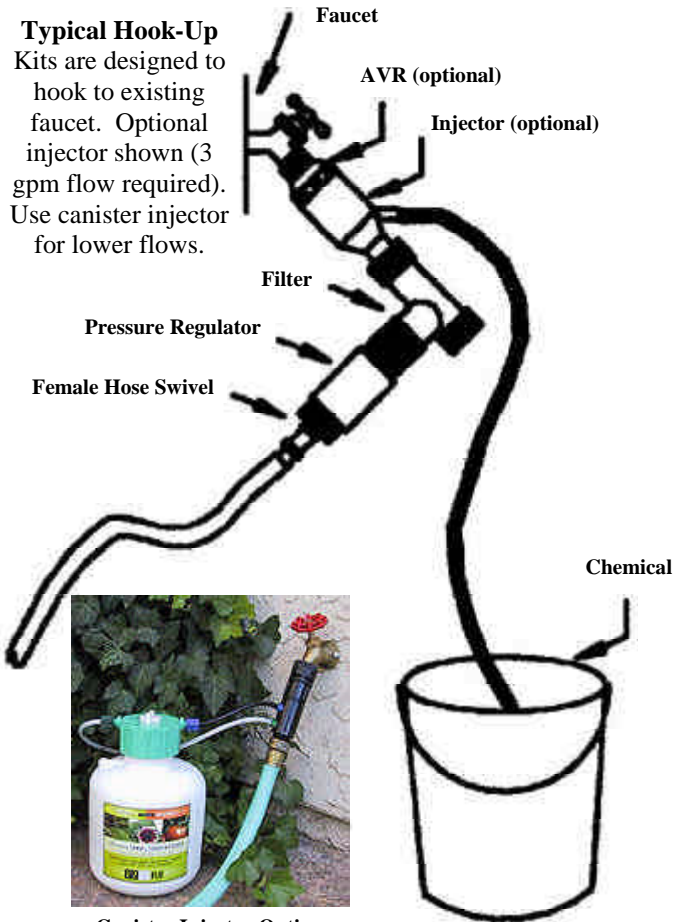
ORCHARD KIT ITEMS *May substitute micro jets	KIT S for 2,000 ftsq	KIT M for 1/4acre	KIT L for 1/2 acre
• Pressure Regulator 19psi	1	1	1
• Female Hose Swivel (16mm) FAS16	1	1	1
• LLDPE 16mm Hose (1/2")	100'	500'	1000'
• Turbulent Flow Emitter*	25	50	100
• Tee (16mm) FTT16	1	2	4
• Figure 8 Hose End FJQ16	2	3	5
• Hole Punch	1	1	1
• Hole Plug MP-1	10	10	10
• Coupling (16mm) FCC16	2	4	4
• T-Filter 150mesh	1	1	1
See Micro Sprinkler page for jets and jet accessories			

Installation Instructions Orchard Kit S, M, & L.

1. Screw filter and pressure regulator onto existing garden hose or faucet.
2. Attach female hose swivel to LLDPE hose and regulator.
3. Place 16mm hose across the rows and by plants that need to be watered. Use tees to arrange system as desired.
4. Flush system twice by running water before closing the ends.
5. Close ends of hose using figure 8 hose ends; or automatic flush valves.
6. At each place to be watered, make a hole in the hose using a hole punch and insert an emitter (*or jet if substituted). If the system is to be buried, attach a length of riser tubing to route the water to the surface.
7. For best response irrigate every day or two. Always keep the soil very moist, but avoid "flooding" the root zone.
8. An optional mechanical or battery water timer may be used to turn water on and off. (See controller page for options).
9. Fertilizers and other chemicals may/should be applied with the system by using a chemical injector (see picture). Use a canister style injector for low flow systems (less than 3 gpm).
10. When water is no longer needed on a row, replace the tee with a coupling in the 16mm hose. Or a ball valve may be used on each row to turn water on and off.
11. A back-flow preventor (AVR) should be used to protect the water supply against contamination.

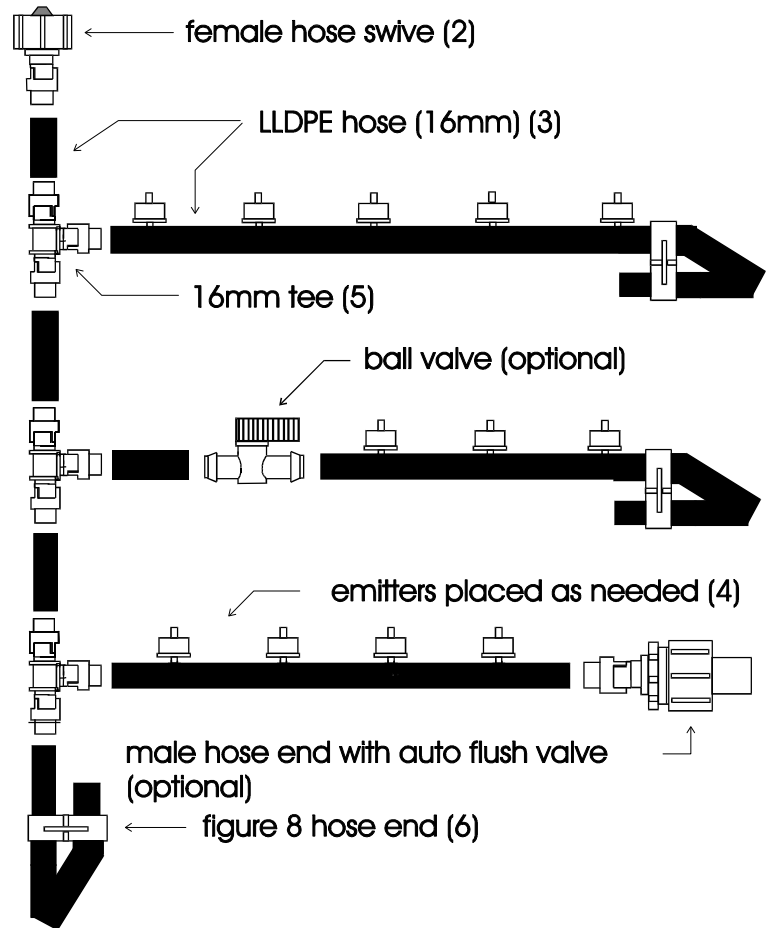
Typical Hook-Up

Kits are designed to hook to existing faucet. Optional injector shown (3 gpm flow required). Use canister injector for lower flows.



Chemical Injection

- Must use a water soluble material.
- Inject after all lines are up to pressure.
- Run system after injecting to flush chemicals out of lines.
- "Spoon feed" the plants every week or so for best results.
- Call us with injection questions
- For low flow systems or where extra pressure is not available (less than 3 gpm and extra 15-25 PSI) use a canister style injector.



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