

Homegrown By Heroes



www.farmvetco.org/homegrown-by-heroes/



Examples of Irrigation Districts

South San Joaquin Irrigation District



Solano Irrigation District



Imperial Irrigation District



Irrigation district employees know the land, what is being used, what is fallow, and who owns the land.



Basic Components of a Drip Irrigation System

- T-Tape
- Headers
- Valves
- Underground PVC
- Filters
- Pumps









Steps to Creating a Drip Irrigation System

- Step 1: Measure Flow
- Step 2: Test Water
- Step 3: Design System/Install System
- Step 4: Create Schedule
- Step 5: Maintain System









Step 1: Start with Source: Measuring Water Flow (w/o flow meter

Materials needed: two, 5-gallon buckets, water source, timer, pencil, piece of paper.

Directions:

- Prepare to time 1 minute of flow
- Have buckets ready next to water
- Turn on water
- Fill up bucket and dump it out, then fill it again. Count the number of times you can fill up the bucket in one minute

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# of buckets filled
in 1 minute

X

# of Gallons bucket
holds

=Gallons Per Minute
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Gallons per minute is the cornerstone to understanding drip irrigation capacity





Step 2: Test Water



- What can't I grow?
- Will I need to leach?
- Can I drink my water/can animals drink it?
- Irrigation districts publicize water results.
- Always test well water!



Water Testing Labs









- Some companies are cheaper than others!
- There are many labs out there!



Step 3: Design Your System (Start by knowing your tape)





Pay attention to maximum length.

