652.0605 Surface and Subsurface Drip Irrigation

INFORMATION TO SUBMIT ON NRCS ASSISTED JOBS

1. Map—showing layout of

   a. Mainlines-------Sizes, lengths and location
   b. Sub-mainlines-----Sizes, lengths and location
   c. Manifolds or headers-----Sizes, lengths and location
   d. Valves
   e. Wells
   f. Filters
   g. Zones or Blocks (label)
   h. Elevations (contour map preferred)

2. System Data Listing

   a. Available Water Supply ----Gallons per Minute
   b. Water Quality - water quality analysis specifically of drip irrigation system
   c. Field and Zone Size----Acres
   d. Tape (Drip Line) Spacing----inches
   e. Emitter Spacing----inches
   f. Number of Zones or Blocks
   g. Concurrent Zones or Blocks Watered Concurrently
   h. System Design Capacity ----Gallons per Minute at required pressure (psi).
   i. Total Head Required at Filter discharge---PSI
   j. Application Rate per Zone----Inches per Hour
   k. Type of Lateral Line—Inside Diameter (mm or inches)
   l. Type of emitter—Make & Model
   m. Type of Filter System—Make, Model and Capacity (gpm)

3. For Each Zone/Block show

   a. Average design emitter discharge and pressure
   b. Maximum emitter discharge, including pressure and location of that emitter
   c. Minimum emitter discharge, including pressure and location of that emitter
   d. Design manifold inlet pressure (downstream of valve).
   e. Emission Uniformity EU