



# Garden Notes

**GN 137**

## FLOW RATE CALCULATION

### Determine System Capacity

#### Measure your flow rate

- ◆ Use a bucket with a known capacity
  - 5 gallons
- ◆ Time how long it takes to fill
  - 135 seconds
- ◆ Determine flow rate in gallons per hour

$$\frac{5 \text{ gal}}{135 \text{ sec}} \times \frac{60 \text{ sec}}{1 \text{ min}} \times \frac{60 \text{ min}}{1 \text{ hr}} = 133 \text{ gallons per hour (gph)}$$

- ◆ Check the emitter's flow rate
  - Should be listed on the packaging
- ◆ Don't overload the system
  - Add up the flow of all the emitters and don't exceed the maximum flow, 133 gph in our example.

September 2010, written by Don Smith, City of Folsom Water Management.

It is the policy of the University of California (UC) and the UC Division of Agriculture & Natural Resources not to engage in discrimination against or harassment of any person in any of its programs or activities (Complete nondiscrimination policy statement can be found at <http://ucanr.edu/sites/anrstaff/files/215244.pdf> ). Inquiries regarding ANR's nondiscrimination policies may be directed to John I. Sims, Affirmative Action Compliance Officer/Title IX Officer, University of California, Agriculture and Natural Resources, 2801 Second Street, Davis, CA 95618, (530) 750-1397.

Agriculture • Nutrition, Family and Consumer Sciences • Master Food Preservers • 4-H Youth Development • Horticulture • Master Gardeners  
U.S. Department of Agriculture, University of California, and the Counties of Sacramento, Solano and Yolo cooperating