



## Micro Spinners Program Field Test Scope

1. Objective: Opportunity to test performance and durability of the micro spinner design and to hear what growers think about its performance and appearance.
2. Test a mixture of agricultural environments:
  - Applications: permanent crops (orchards), row crops, and nurseries
  - Irrigation need: plant establishment and long-term irrigation
  - Water sources: ground and surface
  - Climate: Windy, dry, humid
  - Topography: Flat and sloped
  - Mix of organic and conventional farming
3. Test Locations:
  - N. Cali
  - C. Cali.
  - S. Cali (i.e. Oxnard for our Azusa team to visit!)
5. Target Audience: CA growers that currently use low-flow micro sprinklers (such as competitive spinners or jets) both for non-flow control and flow control applications.
6. Target Sample Size: 5+ growers
7. Target Field Test Quantity: 50-100+ units per site

### FIELD TEST PLAN

**PRODUCTS:** Any of the combinations listed in the attached excel file. (Includes Flow Control options)

#### Summary of Flow Rates Available

- Non-Flow Control: 9.6 - 54.2 GPH
- Flow Control: 8, 11, 14, 18, & 24 GPH



## **FUNCTIONS TO BE TESTED**

- Appearance of the Sprinkler
- Ease of Installation/Startup
- Overall performance of product
  - Insects/bug resistance
  - Wear
  - Grit Tolerance
  - Self-Flushing/ Ease of Maintenance
  - DU of wetted pattern
  - Distance of Throw
  - Break of tab (Ease of Use)
  - Flow Control

## **Field Test Duration and Sample Collection Requirements:**

1. The duration of the field test will be 90 calendar days.
2. At the grower's preference, Rain Bird would like to attend some installations for real-time feedback.
3. Product samples will be shipped directly to the grower or delivered by Rain Bird (if personnel will be in attendance for installation) at no cost.
  - a. Labor costs for installation can be covered by Rain Bird.
4. Field test product will be subject to Rain Bird's full warranty and will be replaced at no cost if the product is defective.
5. To complete the field test:
  - a. ALL the sites are visited at least once by Rain Bird personnel during the field test duration.
  - b. Two customer surveys shall be conducted for each project (one at installation and one at completion of field test).
  - c. Photos & videos of installation and the sprinklers running in the field.