

# Pre-Harvest Tour

TUESDAY, MAY 31, 2016

7:45 AM

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## Sunshine Estates, 4455 Emerson Loop Rd., The Dalles

From Interstate 84: Take Exit 87 for US-197 toward Dufur/Bend. Turn right on US-197. Turn right onto US-30. The road will continue for 3.3 miles as US-30, State Rd. and 15 Mile Rd. Continue straight onto 8 Mile Rd for 1.8 miles. Take a slight left onto Emerson Loop Rd. Stop 1 will be on your right in 3.3 miles.

### Coffee and Donuts Provided by G.S. Long

- Innovative ideas from a modern vineyard operation
  - Led by Mark Roser, vineyardist; Dr. Dan Rooney, Trimble Agriculture; Dr. Mark Greenspan, Advanced Viticulture
  - New ideas for cover crop management
  - Mister system to cool fruit when growing temperatures become critical
  - Automated soil moisture monitoring and irrigation system integrated with web and mobile phone
  - Soil mapping and aerial imaging
    - Soil mapping for pre-plant vineyard design and soil amendments
    - Aerial Imaging to detect variability in plant vigor, to allow for targeted corrections. Can also identify virus infected or otherwise stressed plants
  - Good neighbor relations
  - Perimeter sprinkler system for pesticide drift and fire control

## Stop 2: Omeg Orchard Home Block, Dry Hollow Lane

- November 2014 freeze damage and repair – severe vs. light pruning
  - Sweetheart/Mazzard - mature
  - Branching success of painted and sprayed on Promalin
  - Mow and blow – side discharge flail to mulch tree row

## Stop 3: Dave Cooper Orchard, 2270 Dry Hollow Road

- Sprayer Optimization Discussion led by Steve Castagnoli, OSU Extension
- Sprayer calibration
- Conventional airblast and tower sprayers
- New ceramic nozzles and conventional nozzles

12:00: Lunch – Dave Cooper Orchard, 2270 Dry Hollow Road

- Sponsored by Wilson Orchard and Vineyard Supply
- Equipment Show
- 2016 Crop Estimate by Lynn Long