Occasional salt injury in Buried Drip

No injury in Surface Drip

Partial Sprinkler
ELECTRICAL CONDUCTIVITY OF SOIL PORES

Starting Nov 10 we observed significant differences among treatments in EC in planting holes at 3 inch depths
Arrows indicate rain events

PREVIOUS SEASON: SIMILAR but had mild Santa Ana winds

PLANT MORTALITY

Very low and not different among treatments

PREVIOUS SEASON: SIMILAR
**PLANT CANOPY SIZE**

Canopy of plants in partial sprinkler was smaller than in surface drip treatment and those plants grew somewhat slower than in drip treatments.

* Means with the same letter are not significantly different at $P=0.05$

**PREVIOUS SEASON:** Plants in standard sprinkler irrigation were 13 to 18% smaller than in all other treatments (which were similar)

**LEAF SPOT DISEASES**

We did not observe significant incidence of *Zythia* or *Ramularia*.

**PREVIOUS SEASON:** SIMILAR and 75% less than in standard sprinkler
LEAVES

Above-ground new biomass (leaves) - no significant differences among treatments or in-bed locations.
PREVIOUS SEASON: SIMILAR
ROOTS

Below ground (new roots biomass): 33% less with buried drip compared to surface drip or partial sprinkler

![New roots dry biomass](image)

*Means with the same letter are not significantly different at $P=0.05$

PREVIOUS SEASON: SIMILAR

**BIOMASS IN DIFFERENT BED ROWS**

No consistent effect of plant row on plant biomass

PREVIOUS SEASON: side rows had lower EC and greater root biomass than central rows

**EARLY FRUIT PRODUCTION: NUMBER OF RED FRUIT**

In first 4 weeks of fruiting – no significant differences in the # of red fruit among treatments

PREVIOUS SEASON: SIMILAR, but whole –field scale yield in drip-only treatment yielded 13% more and partial sprinkler 8% more compared to conventional sprinkler irrigation.