

FRE-FLO™ WATER SYSTEMS

FRE-FLO™ Treated Water Penetrates Deeper Into Soil

This study compared water penetration into the soil using FRE-FLO vs. a competitor for organic melons on drip tape under plastic mulch in New Mexico in 2017.

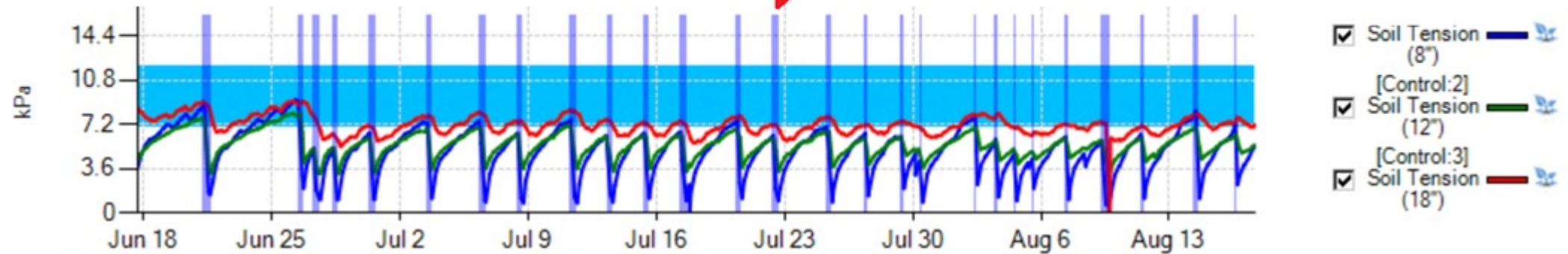
We measured the “soil tension” in kiloPascals (kPa) at 8”, 12” and 18” depths in both fields. Higher kPa (above the green bar) indicates less moisture in the soil, thus more stress on the plants due to lack of water.

The vertical gray lines show how an irrigation event briefly increases moisture and the kPa falls, but then rises afterward. However, the FRE-FLO-treated water keeps the soil moist until the next irrigation, but competitor does not and the soil dries out, especially at the 18” depth crucial for the plant roots.

FREFLO (#1)

2017

Irrigation Events



1 West (#1) Competitor

2017

