



Farmland Information
to Sensor Precision

ConserWater – a reliable replacement for a high-end soil sensor!

About ConserWater

ConserWater helps you grow more with fewer resources by using satellites and AI to give you information to the resolution of having a soil sensor every 30 feet on your farm, but with no installation.

ConserWater Technologies

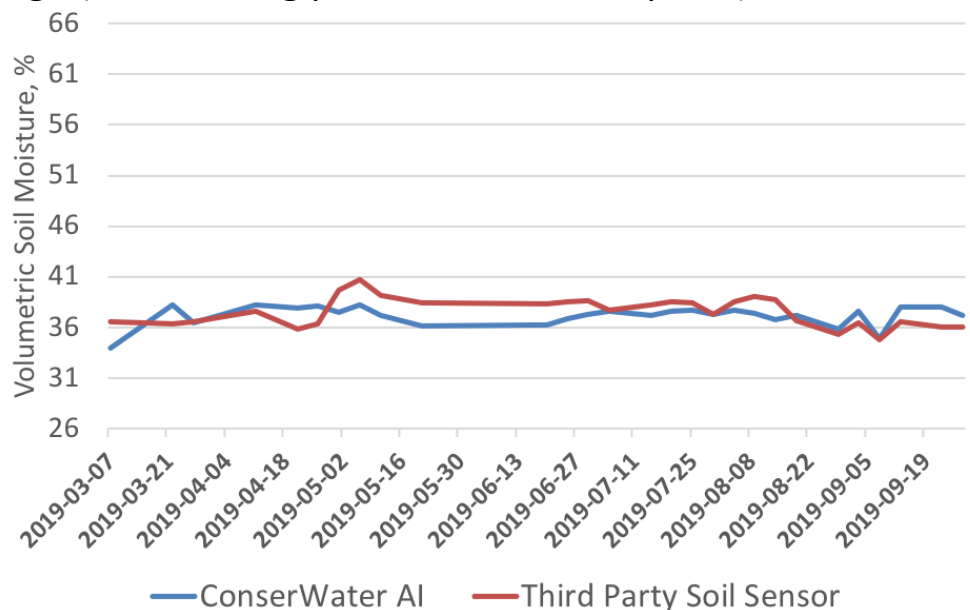
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ConserWater Vs. Third Party Sensors

In the spring of 2019, an independent trial of ConserWater's AI soil moisture predictions was conducted in tandem with high quality time domain reflectometry (TDR) soil moisture sensors at a mango farm in the Golan Heights, Israel.

Using ConserWater and TDR sensors side by side provides an effective comparison as both systems utilize volumetric soil moisture (the fraction of water in the soil). Hence no additional unit conversions are required for comparison.

The soil moistures measured by both ConserWater and the sensors are graphed below over a typical soil moisture range (from wilting point to saturation point):



The soil moistures predicted by ConserWater and measured by the third-party sensor are very close, within a 3-4% deviation, well within the accuracy of most irrigation systems. These TDR sensors typically cost \$1000+ for each unit. This suggests that ConserWater is a cost-effective and reliable replacement for a high-end hardware soil sensor!