



SCIENTIFIC IRRIGATION SCHEDULING

Irrigation has long been viewed as being more art than science, but now Oregon’s agricultural industry has a tool to help increase crop yields by one to two percent each year and reduce energy and water consumption in the process.

What is Scientific Irrigation Scheduling?

Scientific Irrigation Scheduling, SIS, is a method used to optimize crop irrigation. It entails making irrigation decisions based on input from soil moisture monitors, weather station data, and evapotranspiration data. An experienced vendor will provide software tools and assist the grower in analyzing the available data to make the best irrigation decisions for that crop.

In addition to water and energy savings of 10 percent or more, many farmers also report reduced use of fertilizer, which has another direct impact to their bottom line.

Incentives available

Energy Trust of Oregon will pay a cash incentive per irrigated acre up to 100 percent of eligible project costs and service fees. The incentive is payable at the end of the irrigation season and upon receipt of vendor’s final SIS report, all cost documentation and completion forms.

Get started with Scientific Irrigation Scheduling

1. Contact us at 503.928.3154 or if you know an approved vendor you’d like to work with contact them. You need to sign up with Energy Trust before you purchase equipment to be eligible for the incentive.
2. Choose an approved vendor. Energy Trust can help identify who you can work with in your area.
3. Return a signed application form.
4. Work with your chosen vendor over the course of the growing season. Your vendor can help you apply for the Energy Trust incentive, set up an SIS system on your property and provide ongoing support to operate your SIS system through the growing season. At the end of the season, your vendor will provide a report to Energy Trust to verify that SIS was practiced.



Take control of your energy costs. For more information, call **503.928.3154** or email ag@energytrust.org.

Who is eligible?

- Growers who own or lease land served by Portland General Electric or Pacific Power
- Growers who have not participated in SIS for more than two years
- Growers adding acreage under SIS
- Growers not receiving NRCS funding for SIS
- Growers using an approved Energy Trust SIS vendor who sign up before they start to irrigate for the season

Energy Trust of Oregon

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