

Hops: Soltellus™ Generates \$32:1 ROI

Washington Case Study



Soltellus™ is an innovative, biodegradable polymer designed to enhance nutrient retention, soil health, water quality, and crop performance. As a multifunctional, water-soluble chelating agent, Soltellus™ helps retain and release nutrients to growing plants while fostering a thriving soil microbiome. Soltellus™ is a practical and sustainable solution for improving soil health and crop yields.

Performance Proven on Washington Hops

Enhanced Yield of Green Hop Cones

Trial conducted by Ron Britt and Associates, Yakima, WA.

At Granger, WA (Yakima Valley), Soltellus was tested vs. an untreated check on a five-year-old drip-irrigated yard of 'Simcoe' hops. Normal cultural practices were followed to ensure the health of the plants and integrity of the entire study.

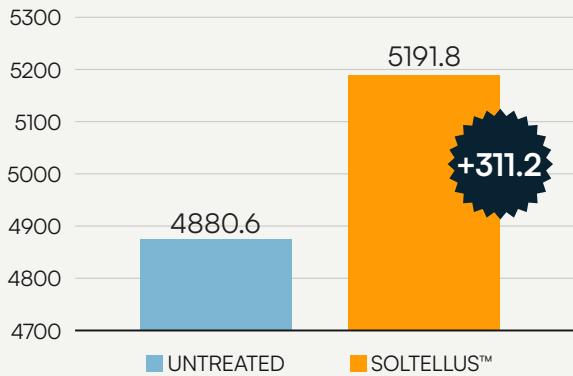
The trial was arranged in a complete random block design with each replicate having seven hills with four bines per hill (28 bines); total replicate area was 686 ft². Each treatment had six replications.

Soltellus was applied at 2 qt/A on 5/24, 6/20, 7/29 and 8/17/25 via injection into drip irrigation. Soltellus cost = \$10/A per application, for a total of \$40.00 product cost.

The trial was harvested on 9/2/25. Five bines at random per replication were run through a mobile hops picking machine where green cones were separated from the bines. Harvest moisture of the green cones was 75.84% for untreated cones, and 73.81% for the Soltellus treatment. Per replicate weights were converted to total pounds of green cones produced per acre per treatment.

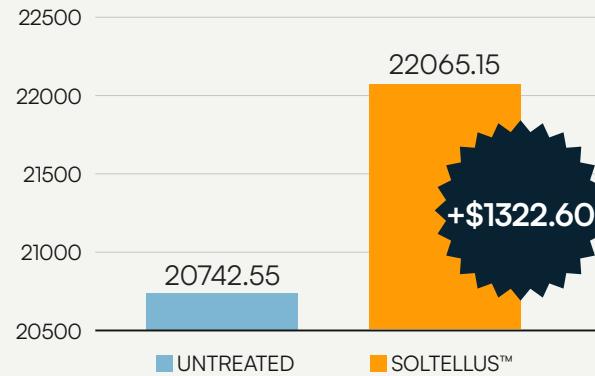
The graphs below shows the yield and profitability values in favor of the Soltellus treatment, based on \$4.25 per pound received for the green hop cones.

Increases Yield by 6.4%



Weight of harvested green cones per acre. Soltellus treatments increased green cone yield by 311.2 lb/A, or a 6.4% increase over the untreated check.

Increases Gross Income by +\$1322 per Acre



Soltellus treatments increased gross income of green cones per acre by \$1322.60 over the untreated check, based on a \$4.25 per pound commodity price.

Using Soltellus generated a \$32:1 Return-on-Investment after accounting for the cost of the product.