

SUGAR BEET TRIAL WITH PENERGETIC

Southern Idaho, 2015



PROTOCOL

Control (not treated with Penergetic): Grower Standard Practice (GSP)

Penergetic-treated (22 acres field): GSP + Penergetic k ULTRA (10.5 oz. / acre) spray applied prior to planting + Penergetic p molasses (10.5 oz. / acre) applied as in-crop foliar with Roundup (in mid July).

DATA ANALYSIS

Component	Penergetic	Control
Yield (tons/acre)	45.0	37.5 *
Sugar Content (%)	16.5	17.0 **
Sugar Yield (lbs./acre) ***	14,850	12,750

Notes:

* Control (untreated) tonnage is an average as more than one field.

** Control (untreated) sugar content is an average of more than one field (16% - 17.5%).

*** 16.5% sugar equates to 330 lbs sugar/per ton; 17% sugar equates to 340 lbs sugar/per ton

RETURN ON INVESTMENT (ROI) ANALYSIS

Average Sugar Content for Sugar Beets in Idaho: 16% - 17%

(Estimated) Price Paid per ton of Sugar Beets in Idaho: \$42.50

Component	Penergetic	Control
Value Per Acre (\$/acre)	\$1,912.50	\$1,593.75 (average) \$1,700.00 (highest) ****
Penergetic Cost (\$/acre)	\$45.00	\$0.00
Net Increased Value (\$/Acre)	\$1,867.50	

**** = the highest yielding Control field was 40 tons/acre.

The Penergetic-treated section generated \$273.75 more per acre than Control Average and \$167.50 more than the Highest Yielding Control Field.

ROI: 6.1:1.0 (comparing Penergetic treated to Control average)

3.7:1.0 (comparing Penergetic-treated to Control highest)

Therefore \$1.00 invested in Penergetic resulted in \$3.70 to \$6.10 increase in farm revenue.

PENERGETIC SOLUTIONS