

ALFALFA STUDY

Oakview Dairy (Edwin Koetsier), Tulare, CA

Field Characteristics:

75 acres - divided into two 37.5 acre halves, 5 year old field alfalfa, irrigated.

THIRD CUT	NORTH SIDE (Penergetic field)	SOUTH SIDE (Control)	DIFFERENCE (Penergetic vs Control)
Penergetic p/ac.	3.5 fl. oz.	none	
Yield (tons)	49.04	47.29	1.75 tons more
Grade	Good	Fair	higher grade
Value per ton (\$)	\$180.00	\$160.00	\$20.00 more/ton
Total Value	\$8,827.20	\$7,566.40	\$1,260.80 more

Net Return: Increased crop value - Penergetic cost (\$9.00/acre)
 $\$1,260.80 - (\$9.00 \times 37.5) = \underline{\$923.80}$

Return on Investment(ROI): $\$923.80 / \$337.50 = 2.74:1$

[Third Cut: \$2.74 more income for every \$1.00 spent on Penergetic p]



FOURTH CUT	NORTH SIDE (Previously treated with Penergetic)	SOUTH SIDE (First time treated with Penergetic)	DIFFERENCE (North vs. South Side)
Penergetic p./ac	none	3.5 fl. oz.	
Yield (tons)	47.92	67.69	19.77 tons more
Grade	Fair	Fair	same grade
Value per ton (\$)	\$160.00	\$160.00	same
Total Value	\$7,667.20	\$10,830.40	\$3,163.20 more

Net Return: Increased crop value - Penergetic cost (\$9.00/acre)
 $\$3,163.20 - (\$9.00 \times 37.5) = \underline{\$2,825.70}$

Return on Investment(ROI): $\$2,825.70 / \$337.50 = 8.37:1$

[Fourth Cut: \$8.37 more income for every \$1.00 spent on Penergetic p]

PENERGETIC SOLUTIONS