

# Alfalfa field trial 4th Cutting—Idaho 2014

**Trial set-up and design:** Two fields known as #1 (51 acres) and #3 (52 acres) separated by approximately 50 yards. One (13.2 lb.) box of PENERGETIC P Ultra spray was applied at a rate of approx. 4 oz. of active ingredient per acre. The trial was set up to evaluate the effects of PENERGETIC P Ultra foliar spray on yield and protein vs untreated. PENERGETIC P Ultra was applied approximately 10 days after second cutting on field # 1 using a chemigation tank through the pivot. Due to the length of time applied and other logistical issues, results for the 3rd cutting were not reported. The 4th cutting results are therefore assessing the residual effects of the product on the second cutting after application. Forage samples were pulled the day prior to chopping from six different windrows in each field and cut with scissors to approximately 1/2 TLC and brought to the local forage lab. All loads were weighed and harvested by a custom harvesting crew and every 5th load was measured for moisture and averaged for each field.

\* Due to field #3 having an additional acre, the total as harvested tons for that field were tabulated and an average ton per acre was subtracted from that total to equalize the two fields.

<b>Results</b>	Untreated (field # 3)	Treated (field # 1)
Wet tons	180.45*	214.91
Moisture %	54.0%	59.5%
Dry tons@ 100% DM	83	87
Crude Protein %	26.6%	28.7%
RFV	180.4	192.8

**Summary Observations:** Field # 1 (PENERGETIC P treated) proved to be superior in yield, crude protein and Relative Feed Value (RFV).



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