PhoSul shows promising growth during year 2 after application on newly planted Alfalfa

PhoSul is a Phosphate soil amendment made with Fertoz high quality, high analysis Rock Phosphate plus added elemental sulphur.

A Montana producer saw noticeable differences on his alfalfa crop between a competitor source of granulated rock phosphate (rock phos, gypsum and poultry manure) versus PhoSul on his alfalfa. He applied (topdress) 500 lbs/acre of the competitor product on most of his land. 4 acres were designated for the application (topdress) of PhoSul applied at 500 lbs/acre. When product was applied in May 2019 he planted new alfalfa with a nurse crop of spring wheat under a pivot. No major differences were seen in September of 2019 during wheat harvest.

In June 2020, the following residual effects were observed…

In his **PhoSul** treated acres, there is noticeably heavier yields plus dark healthy green foliage and some lodging.

Fresh Hay Weights 3' X 3' weighed samples (Dry Weights)
Sample 1: 8.12 lbs (4.81 lbs) **Sample 2**: 7.31 lbs (4.94 lbs)
Digestible Protein: 14.7% (16.6% dry)
Soil Analysis Nitrate-N : 14 ppm

The acres treated with **competitor product** shows a yellowish green color with shorter plant heights and some disease incidence.

Fresh Hay Weights 3' X 3' weighed samples (Dry Weights)
Sample 1: 3.18 lbs (1.75 lbs) **Sample 2**: 2.00 lbs (0.94 lbs)
Digestible Protein: 9.7% (11.3% dry)
Soil Analysis Nitrate-N : 8 ppm

*Third party protein analysis by soiltest farm consultants inc., certified by the national forage testing association (NFTA).
*Stukenholdtz believes that increased Nitrate-N is due to improved rhizobial N2 fixation by Phosul application.

The control plot (no fertilizer added) yielded 6.47 t/ac (fresh weight) and 3.78 t/ac dry weight, while PhoSul yielded (on average) 18.64 t/ac (fresh weight) and 11.80 t/ac dry weight. An increase of 12.17 t/ac, 188% (wet) and 8.02 t/ac, 212% (dry) was realized in this field. At $125/ton, a return of $821/ac (gain – product cost @500 lbs/ac) makes PhoSul a great investment! Realizing these results, this organic producer immediately top dressed, applying 36 more tons of PhoSul onto several fields his 1,200 acres of irrigated alfalfa at various rates from 150 to 500lbs/acre. Results will be followed closely to determine the optimum economic application rates.

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