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Application of SOIL-PLUS® Increases Alfalfa Bale-Yields

ABSTRACT

Farmer Richie Kennedy had seen enough downturn in the production on his alfalfa fields. He realized it was time to find the problem and solution. Biofeed® performed a free consult and survey to determine the problem was excess salt. The alfalfa fields were producing less yield with each passing year. Accumulated salt and mineral salts were stunting Alfalfa growth and reducing bale yields. Mr. Kennedy thought the answer was deep tilling; however, Biofeed® had a better solution.

BACKGROUND

Salts are common in the Southwestern USA due in part to the water source used to irrigate fields. Irrigation waters can contain between 1,000 to 3,600 ppm of total dissolved salts and mineral salts. These salts deposit on and into the soil with each irrigation cycle. Farmers usually perform deep soil tillage from 25" to over 36" to loosen the ground. This in turn allows these salts to flush deep within the root zone. Deep tillage can provide temporary relief to crops grown in these soils. Unfortunately, the salt returns as it free floats back to the surface. The soil contamination repeats, inhibits germination, and destroys valuable biological activity.

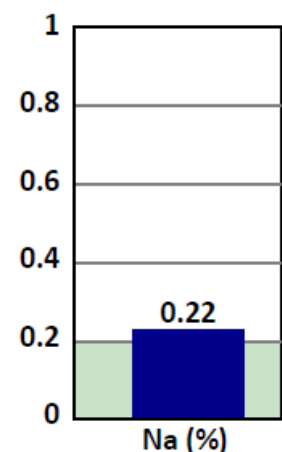
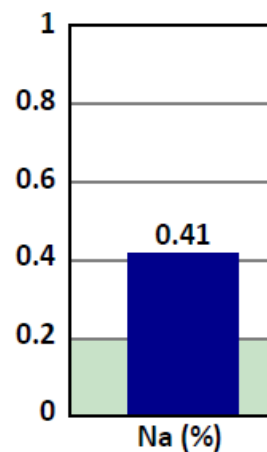
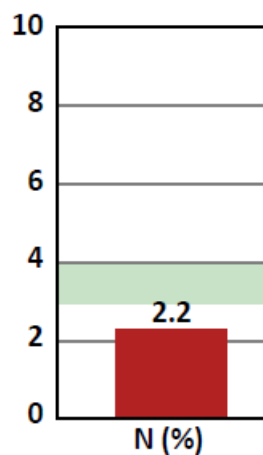
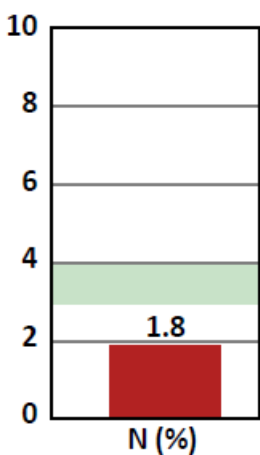
TREATMENT

Biofeed® applied [Soil-Plus®](#) at the rate of 1 (one) US gallon per acre to reduce the salts. The application of Soil-Plus® used the irrigation canal. A 10-gallon tank - with adjustable valve - dripped the product into the canal during irrigation. Next, Biofeed sent treated and untreated soil samples to Motzz Laboratory for analysis.

RESULTS

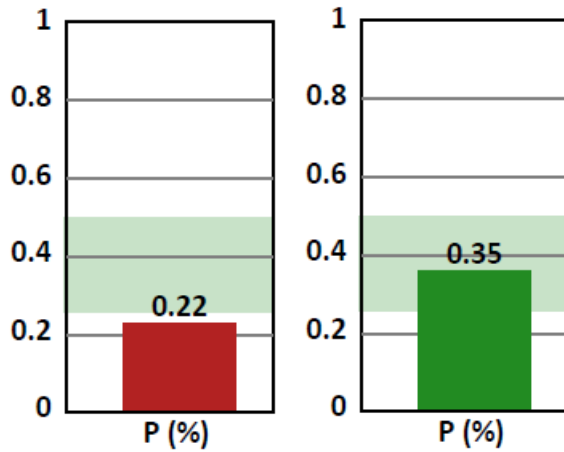
Total Nitrogen (N) increased from 1.8% (untreated) to 2.2% (treated).

Sodium (Na) reduced from 0.41% (untreated) to 0.22% (treated).



RESULTS (cont.)

Protein levels increased from 0.22% (untreated) to 0.35% (treated).



Alfalfa bales increased from 24 (untreated) to 31 (post-treated) bales per the test area. A gain of 7 bales in one cutting.



SUMMARY

Mr. Kennedy was incredibly pleased with the results. The Alfalfa bale yields on the test area increased by 7 bales per the test area after the first application. The cost of the treatment – 1 (one) gallon per acre (GPA) of Soil-Plus® – is equal to the sale of 1 (one) bale of alfalfa. Further, the application of Biofeed® product requires no extra steps. Biofeed® is continuing test area treatment for increased bale yields cycle-after-cycle.

LEARN MORE

To see the laboratory analysis for this and other field studies go to: <https://biofeed.com/field-university-studies/>