



CANNON REPUBLIC

FOUNDATION SB

TIFTON HAY TRIAL

**MENARD COUNTY, TX
TIFTON HAY TRIAL**



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FIRST APPLICATION

- Friday, June 24th 2022, our Client had his local applicator apply Grazon Next HL herbicide and had them add 3.6 gallons of Cannon Republic (CR) Foundation SB Liquid per acre. Two (2), 275 gallon totes were applied on 150 acres of irrigated Tifton and B-Dahl bluestem.
- He immediately started watering all the fields with approximately one inch of rain thru his pivots. All the fields were watered within a week's time to incorporate the Foundation SB Liquid.

FIRST CUTTING FOLLOWING APPLICATION

- July 27 2022 our Client cut the Tifton hay field. The only moisture applied on the field came from irrigation since there was zero natural rainfall between the Foundation SB Liquid application and the first cutting.
- Our Client noticed that the grass kept its green color very well and the bales remained green when he stacked them in the barn.
- Our Client also noticed that his weaned calves preferred this cutting of hay more than any of his previous cuttings.
- The hay was sampled, and the results were great quality hay

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CUTTING #1 FORAGE SAMPLE RESULTS

- Moisture - 7%
- Crude Protein - 8.4%
- Lignin - 2.85%
- Crude Fat - 2.07%
- Ash - 9.15%
- TDN - 62.4
- Relative Feed Value - 87
- Relative Feed Quality - 121

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INPUTS FOLLOWING FIRST CUTTING

- Once the hay was moved off the field, our Client applied 300 pounds of AMS 21-0-0-24. This is recommended for this field because the sulfur helps with the high pH.
- Our Client typically applies 500 pounds between cuttings but was able to reduce his inputs by 40% because the Foundation SB Liquid helped make up the yield.
- Our Client irrigated in the dry granular AMS and aerated the hay field with his RanchWorx drum aerator. Rainfall was less than 2 inches during this period. He intentionally let the second cutting go longer than normal so it would be a large yield for the winter.
- As the weeks went on, our Client noticed a much healthier and leafier Tifton plant than typically before.
- Our Client also noticed that the Tifton crop was holding up better during dry and hot periods and required less watering even though the area was in a severe drought status.

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CUTTING #2 FORAGE SAMPLE RESULTS

- Moisture - 5.7%
- Crude Protein - 6.95%
- Lignin - 3.19%
- Crude Fat - 1.68%
- Ash - 11.6%
- TDN - 57.8
- Relative Feed Value - 77
- Relative Feed Quality - 98

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CONCLUSION

- The single best yield from the 35 acre Tifton field, on a single cutting in a good rain year, was 155 bales. With Foundation SB, the yield on the second cutting was 199 bales - a 23% increase over best previous harvests.
- By applying 3.6 gallons of CR Liquid SB per acre, our Client was able to reduce his commercial fertilizer inputs by 40% and still yield better hay and more hay than ever before during a severe drought.
- The application of Foundation SB Liquid had zero additional application trips because of its ability to tank mix with any other liquid pesticide/fungicide applications.
- The water use was less than previous years because the plants are more water efficient due to the microbial activity that is active in the soil.



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