

Guarantee® Complex

Seaweed Extract

Improves Production and Quality in Alfalfa Hay

Guarantee® Complex Seaweed Extract Increases Alfalfa:

- Yields
- Relative Field Value (RFV)
- Total Digestible Nutrients (TDN)
- Percent Crude Protein (CP)
- Total return per acre

Guarantee® Complex increases yield in alfalfa hay up to 27%.

LOCATION/SCIENTISTS

Blythe, CA

Investigator: Research 2000

Cooperator: Dean Lester Farm

Study Director: Art Dawson, Ph.D.,
Ocean Organics

STUDY DESIGN

This grower cooperator trial measured the impact of Guarantee® Complex (0.2-0-6) on alfalfa hay production as compared to a grower standard program. Alfalfa hay was treated after the third cutting via a foliar spray (100 gpa). Treatments were made on May 23, June 6, July 20, and September 6. Cuttings occurred on June 3, July 16, and August 29.

RESULTS

Guarantee® Complex improved yield up to 27% in alfalfa hay production, resulting in a corresponding increase in revenue per cutting. In addition, Guarantee® Complex improved quality in terms of relative feed value (RFV), total digestible nutrients (TDN), and crude protein (CP). It is encouraging to see strong yield differentials as cuttings progress.

Figure 1a: Guarantee® Complex increases yield by up to 27%.

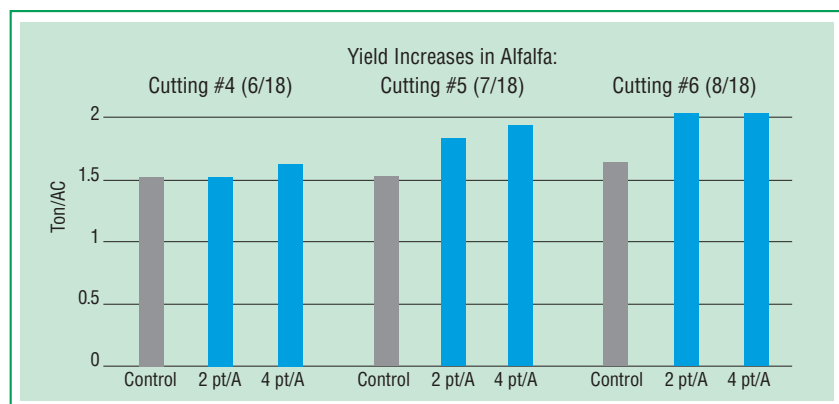


Figure 1b: Guarantee® Complex improves yield, RFV, TDN, and CP in alfalfa hay.

	Cutting #4, 6/3/18			Cutting #5, 7/16/18			Cutting #6, 8/29/18		
	Control	2 pt/A	4 pt/A	Control	2 pt/A	4 pt/A	Control	2 pt/A	4 pt/A
Yield (Ton/Ac)	1.53	1.53	1.63 (+7%)	1.53	1.84 (+20%)	1.94 (+27%)	1.63	2.04 (+25%)	2.04 (+25%)
RFV (relative feed value)	na	na	na	137	139	141	119	137	154
TDN (total digestible nutrients)	na	na	na	51	52	53	50	52	53
CP (crude protein)	na	na	na	16	16	16	12	14	15

Ocean Organics has been processing seaweed and formulating fertilizers for over 40 years. Our innovative processing technology yields products richer than others yet with fewer solids and lower viscosity. This means our extracts can be used with a broader range of materials with better blending, mixing and stability characteristics. Our seaweed-based fertilizers, plant health materials and soil conditioners lead the industry in quality, effectiveness, cost efficiency and environmental sustainability.



Ocean Organics®

Manufacturing

Waldoboro, Maine • 888-312-0106

Administration

Ann Arbor, Michigan • 800-628-GROW (4769)
oceanorganics.com