

MOOTERIC Summary Farmer Economics Seaweed Feed Additives

2023 2024 Study

Assumptions												
CO2 Price	\$80	Per mt		Dry Mat/Lb	\$0.18							
				Conv	1.5							
Results												
Company	Product			Cost/Day	Cost/Yr	CH4/g/day	CO2e/mt/yr	CO2e Reduct	CO2 Red MT/yr	Farmer Revenue	FE Gain	P&L Cow/Yr
Toki High	Asparagopsis			\$0.32	\$118	39.72	0.43	88.58%	3.35	\$268		\$150
Toki Low	Asparagopsis			\$0.20	\$72	233.95	2.54	32.72%	1.24	\$99		\$27
Alga High	Alga			\$0.28	\$102	31.33	0.34	90.99%	3.44	\$275		\$173
Alga Low	Alga			\$0.14	\$51	243.20	2.65	30.06%	1.14	\$91		\$40

Control		
CH4/day	347.71	g/day
CO2e/yr	3.78	Tonnes per yr

Feed/Cow Weight/Milk Output						
High Dosage		Control	Alga	CHG	AT	CHG
Dry Matter Intake (kg/day)		25.95	20.73	-20%	20.16	-22%
Body Weight (kg)		671.1	652	-3%	641.4	-4%
Milk Yield (kg/day)		31.71	29.44	-7%	27.99	-12%
Low Dosage		Control	Alga	CHG	AT	CHG
Dry Matter Intake (kg/day)		26.69	24.44	-8%	24.66	-8%
Body Weight (kg)		661.7	641	-3%	628	-5%
Milk Yield (kg/day)		30.1	29.04	-4%	27.85	-7%