Economic Benefit of using GlucoseBooster

DAIRY: XYZ DAIRY, ANYWHERE **DATE:** 4/25/2018

TOTAL COWS MILKING: 1000

TOTAL COWS IN TRANSITION IN 1 YEA 1000

	No GLUCOSEBOOSTER				WITH GLUCOSEBOOSTER				
	COWS	%	$ cost per incidence	Total cost	COWS	%	$ cost per incidence	Total cost	Improvement
Clinical Ketosis*	50	5.0	375	$ 18,750	10	1.0	375	$ 3,750	$ 15,000
Subclinical Ketosis **	200	20.0	78	$ 15,600	60	6.0	78	$ 4,680	$ 10,920
Downer cows incl. DA's ***	20	2.0	1800	$ 36,000	10	1.0	1800	$ 18,000	$ 18,000
Dead cows ***	20	2.0	1800	$ 36,000	10	1.0	1800	$ 18,000	$ 18,000
Total				$ 106,350				$ 44,430	

Savings with GLUCOSEBOOSTER on Metabolic problems: $ 61,920

Savings per cow on Metabolic problems: $ 61.92

Cost of GLUCOSEBOOSTER, ton	$ 3,800
Inclusion rate per cow/day, lbs	0.65
Cost per cow/day	$ 1.24
Cows in transition period in 1 year	1000
Closeup dry cow period, days	15
Fresh cow period, days	18

Total cost feeding GLUCOSEBOOSTER $ 40,755

Total cost feeding GLUCOSEBOOSTER per cow $ 40.76

Net Savings feeding GLUCOSEBOOSTER $ 21,165

Net Savings per cow $ 21.17

ROI without additional milk income 1.52

EXTRA MILK PER COW/DAY, LBS	2.5
LENGTH OF LACTATION, DAYS	305
MILK PRICE, $/CWT	$ 14.00
EXTRA MILK INCOME PER COW/YEAR	$ 107
EXTRA MILK INCOME WHOLE HERD PER YEAR	$ 106,750

ROI with additional milk income 4.14

* reported by McArt et al. 2015
** reported by Geishauer et al. 2001
*** current estimated replacement cost (2016)