



Saguelait farm

OWNER

Patrice Gobeil
Saguenay, QC

HERD

70 lactating Holstein cows

TRIAL PERIOD

1 year

GOAL

To evaluate the effects of TRITURO[®] extruded-pressed soybean meal on milk production and quality in dairy cows under real-world commercial farm conditions.

- 10% increase in milk production (kg/day)
- 1,058.5 kg more milk per cow per year
- Gross gain of 74 095 kg/year
- Gross gain of \$59,276/year (milk paid at an average of \$0.80/liter in 2019)
- No variation in milk fat and protein percentages
- Increase of 0.09 kg of fat per day per cow



Increase in production
74,095 kg/year

Gross gain in revenue
\$59,276 \$/year

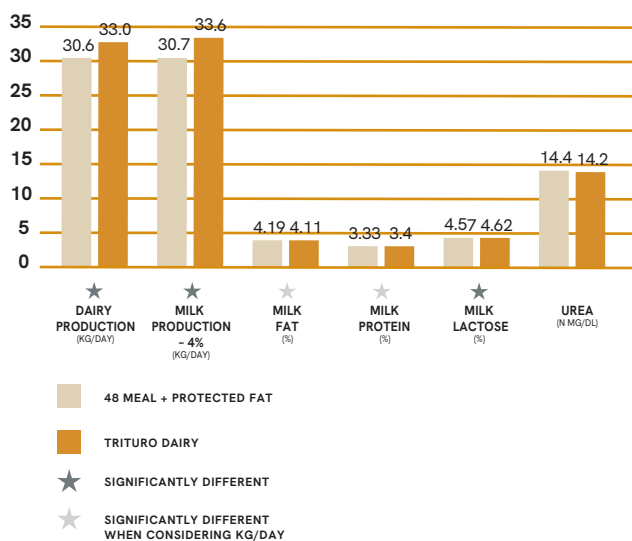
The farm produces more milk with fewer cows

Trial duration: 1 year

	TREATMENT	
	48 MEAL + PROTECTED FAT	TRITURO DAIRY
DAYS OF LACTATION	104	103
PARITY	2	2
MILK PRODUCTION (KG)	35	34.9
FAT CONTENT (%)	4.07	4.08
PROTEIN (%)	3.25	3.32
LACTOSE	4.52	4.57
UREA	12.3	12.6

Start of the trial - 2 homogenous groups of 24 cows

Graphical comparison of the study's zootechnical results



TRITURO[®]



Average composition of feed rations served to dairy cows in the two treatments

Composition	TREATMENT	
	48 MEAL + PROTECTED FAT	TRITURO DAIRY
Dry Matter (DM) (%)	48.11	48.02
Crude Protein (CP) (% of DM)	16.61	16.68
Degradable Protein (% of DM)	73.91	71.38
Undegradable Protein (UDP) (% of CP)	27.67	30.20
UDP (% of DM)	4.60	5.04
Soluble Protein (% of DM)	35.82	35.37
Fat (% of DM)	4.22	4.25
Net Energy for Lactation (Mcal/kg of DM)	1.68	1.68
Acid Detergent Fiber (ADF) (% of DM)	20.43	20.47
Neutral Detergent Fiber (NDF) (% of DM)	31.15	31.47
Non-fermentable Carbohydrates (% of DM)	41.40	40.84
Forage Dry Matter (% of DM)	46.6	46.8
Calcium (%)	0.96	0.94
Phosphorus (%)	0.41	0.41
Magnesium (%)	0.30	0.30
Potassium (%)	1.50	1.43
Selenium (ppm)	0.35	0.36

Ration table

SAGUELAIT FARM	CONTROL		TRIAL	
	48 MEAL + PROTECTED FAT		TRITURO DAIRY	
Legume Silage 3 rd Cut	20		20	
Corn Silage	20		20	
Ground Dry Corn	5.8		6	
Synchro	2.9		3	
Protected Fat	0.3		0	
Meal	1.0		0	
Dairy Trituro	0		1	



Soya Excel Soybean processor



soyaexcel.com

Research project –
Produced in collaboration with



Économie, Science
et Innovation
Québec