

# NOVA CALFORCE

## Liquid feed additive for calves

### NOVA CALFORCE

*Calves are particularly sensitive during their first days.*

*Bacteria develop resistance and the well-being of the calves is put to a test. to the antibiotics. There is also a very big pressure from the authorities and consumers to reduce antibiotic usage.*

*New testing equipment reveals surprisingly high contamination levels in colostrum of even healthy cows. When we go to hospital milk, the situation can be even worse.*

*Authorities, consumers and most important farmers ask for new, more effective solutions and that solution is **Nova Calforce**.*

*Nova Calforce improves the intestinal flora of the calves which consequently reduces the need for antibiotics.*



*NOVA CALFORCE IS AN INNOVATIVE LIQUID FEED ADDITIVE FOR CALVES WHICH REDUCES MILK CONTAMINATION, IMPROVES THE INTESTINAL FLORA AND LEADS TO IMPROVED WELL BEING AND GROWTH OF THE CALVES.*

*NOVA CALFORCE  
ADHERES TO EU'S LIST  
OF APPROVED FEED  
ADDITIVES*

*APPROVAL NUMBER:  
208-R805739*

# THE BENEFITS



- ✓ Healthier calves
- ✓ Lower bacterial level
- ✓ Reduced use of antibiotics
- ✓ Nova Calforce can be used from birth to weaning
- ✓ Preserves the colostrum in the refrigerator for several days

**TESTED IN UNIVERSITY: REPORT CONFIRMS BENEFITS**

# TEST RESULTS

## USAGE AND DOSAGE

### Application

Nova Calforce can be added to both water and milk, as well as to colostrum, raw milk and milk replacer. Milk should be stirred and Nova Calforce should be added slowly. Maximum dose increases the risk of curdling the milk, if Nova Calforce is not added correctly.

### Dosage

- 0,5 - 2,5%
- 0,5 - 1,5 % in very good conditions and for water application
- 1,5 - 2,0 % in standard conditions
- 2,0 - 2,5 % in extreme conditions

Before application

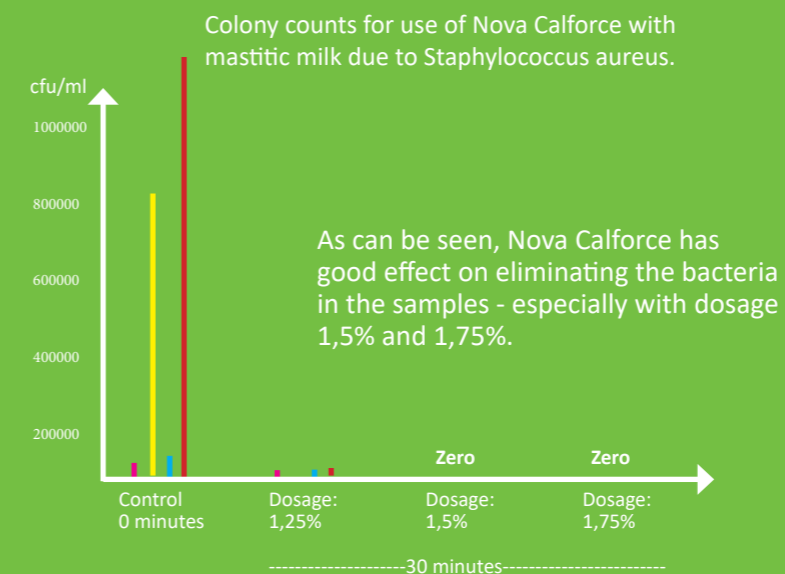


After application

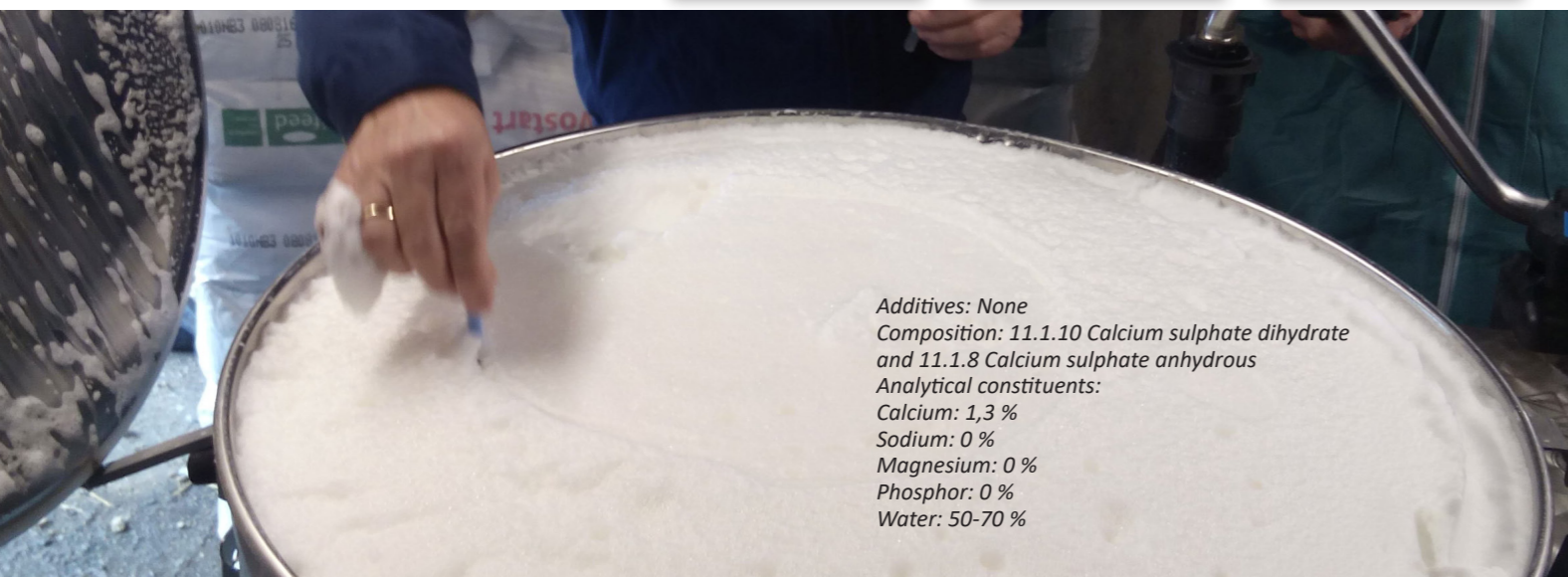


### Conclusions from the University Report:

- Nova Calforce regulates the bacteria level in waste milk and maintenance of a low bacterial count for up to 24 hours in samples kept at room temperature
- Nova Calforce regulates the bacteria level in colostrum and maintenance of a low bacterial count for up to a week in refrigerated samples.
- Nova Calforce regulates the level of Staphylococcus aureus in samples from cows with subclinical mastitis due to this pathogen.



Samples	cfu/mL			
	0 minutes	30 minutes		
	Control	1.25%	1.5%	1.75%
Milk 1	2,20E+04	9,00E+01	0	0
Milk 2	8,04E+05	0,00E+00	0	0
Milk 3	9,65E+04	6,00E+02	0	0
Milk 4	1,20E+06	1,65E+03	0	0



Additives: None  
 Composition: 11.1.10 Calcium sulphate dihydrate and 11.1.8 Calcium sulphate anhydrous  
 Analytical constituents:  
 Calcium: 1,3 %  
 Sodium: 0 %  
 Magnesium: 0 %  
 Phosphor: 0 %  
 Water: 50-70 %

Northland Laboratory Bulk Tank Whole Milk Test									
		Control Room Temperature				Nova Calforce 2% Room Temperature			
Time	Temp (Cel)	pH	SPC	Coliform	e.coli	pH	SPC	Coliform	e.coli
Start	20.8	6.8	1300	400	20	6.80	1300	400	20
1-Minute	20.8	6.8	1300	400	20	6.49	1200	40	<10
15 minutes	20.8	6.74	1400	520	40	6.44	750	<10	<10
1 hour	22	6.7	2300	730	60	6.39	650	<10	<10
6 hours	21.9	6.71	260,000	54,000	70	6.40	110	<10	<10
10 hours	22	6.67	3,100,000	1,200,000	80	6.53	60	<10	<10
24 hours	19.6	6.61	240,000,000	12,000,000	140	6.58	<10	<10	<10

# CASE STORY

Get a copy of the case story and read the whole story!



Francisco Pires and family farm is located on Terceira Island, in the Azores, Portugal. The farm started 38 years ago, with 15 milking cows. Today they are milking around 200 cows, mostly Holstein breed but also some jersey cows.

Francisco Pires decided to test Nova Calforce with the objective of reducing the microbial contamination and to promote better health of the calves, reducing the incidence and severity of the calves and lead to better growth rates.

The trial period showed good results - see Francisco Pires' statement to the right:

”  
*In a dairy farm like ours, that is growing, I think it is very important not to lose the future dairy cows. In order to increase profitability of the farm, the objective is to raise calves with good average daily gain and good health, so that they can start reproduction sooner and with higher potential to produce milk. Because of this, Nova Calforce® ’ can be an important tool for achieving this goals.*  
 ”



**!!!**  
**WEIGHT AT WEANING WAS 6 KG HIGHER FOR CALVES TREATED WITH NOVA CALFORCE THAN FOR THE CONTROL GROUP!**