

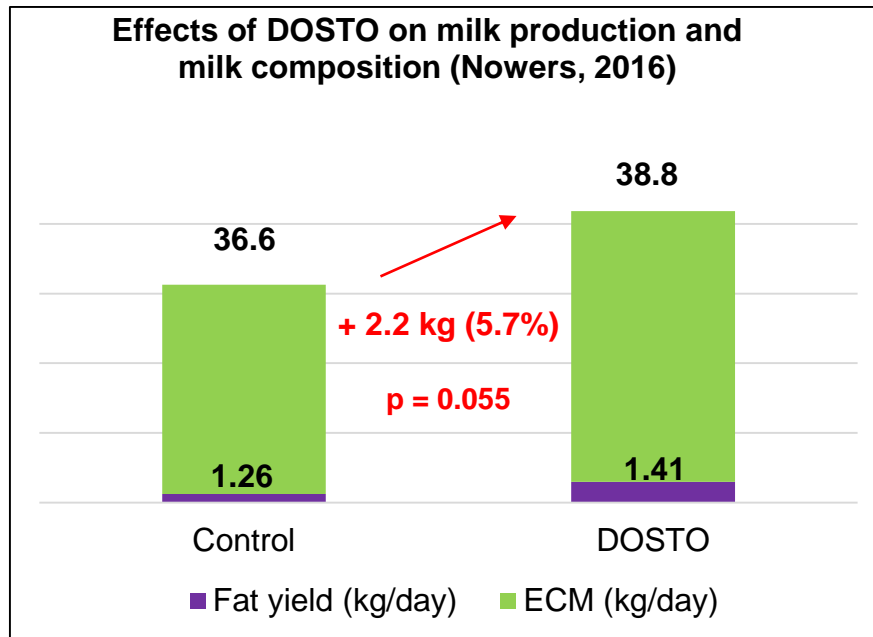
## Effects of DOSTO on milk production and milk composition

- Location:** Research farm, Stellenbosch University, SA
- Trial period:** August 5, 2014 until October 7, 2014
- Trial design:** 20 top milk producing Holstein cows,  
178  $\pm$  17 days in milk, body weight 624  $\pm$  9 kg
- Trial group:** 10 dairy cows, fed twice per day with 300g  
maize supplemented with 0.5 g **DOSTO**<sup>®</sup>  
**Concentrate 500** per day
- Control group:** 10 dairy cows got no further additives
- Parameters:** Fat in the milk  
Energy Corrected Milk (ECM)  
Aroma and flavor



# Effects of DOSTO on milk production and milk composition

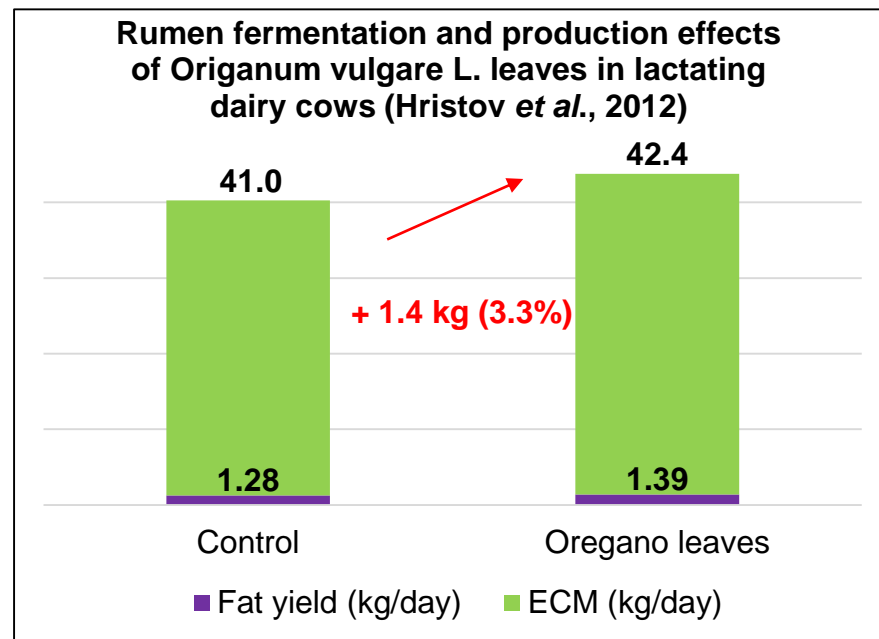
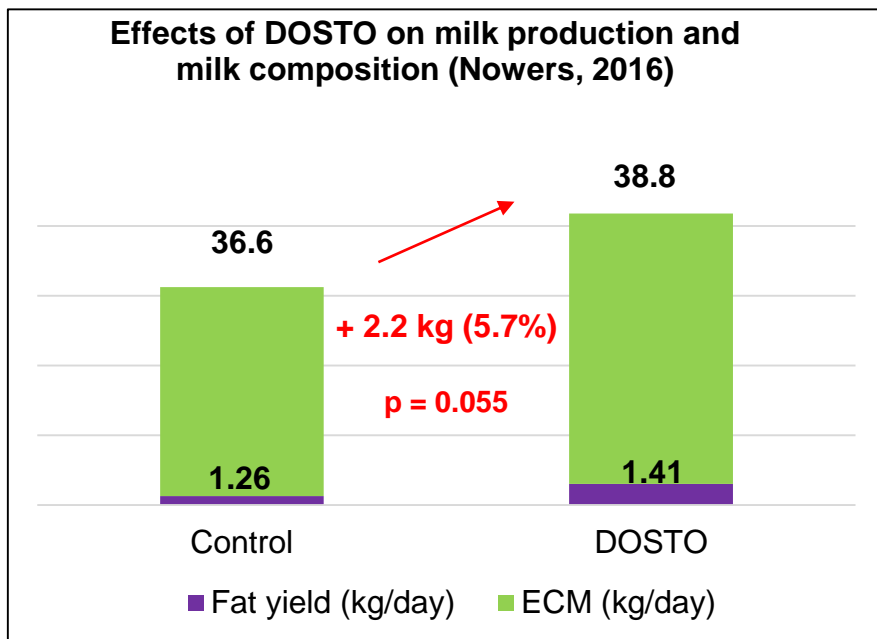
## Results: Fat yield and Energy Corrected Milk (ECM) yield



These results are consistent with the results of Hristov *et al.*, (2012)

# Effects of DOSTO on milk production and milk composition

## Results: Fat yield and Energy Corrected Milk (ECM) yield



„Oregano modulates the rumen microflora, reducing drastically the methane production. Thereby increases the available energy and improves the performance“

## Effects of DOSTO on milk production and milk composition

### Results: Sensory evaluation of aroma and flavour

**Method:** Milk samples were evaluated using a triangle test (or discrimination test).

**Samples:** Served in a randomized order.

**Panellist:** supplied with filtered water and apple slices between samples to cleanse palate.

### Conclusions:

DOSTO® Oregano's aroma was not transferred to the milk.



## Effects of DOSTO on milk production and milk composition

### Conclusions:

Supplementing dairy cows with DOSTO<sup>®</sup> Oregano:

- stimulates the milk fat production and improves the energy corrected milk, due to a shift in microbial fermentation in the rumen.
- No oregano aroma was transferred to the milk.

**DOSTO<sup>®</sup> Oregano is 100% natural and safe!**

