

RELACIÓN ENTRE EL BIENESTAR ANIMAL, LA CALIDAD DE LOS PRODUCTOS Y LA SEGURIDAD ALIMENTARIA



BIENESTAR ANIMAL
EL CORAZÓN DE LA PRODUCCIÓN

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Placer que entrega resultados positivos humano-animal (Amanse vaquillas)



Cow comfort effects on milk production and mastitis: a field study

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A field study made by Cornell University shows that second lactation cows showed a significant increase in daily milk production and a decrease in clinical mastitis when a cow brush was installed.

Summary

A field study was performed at Sprucehaven Farm and Research Center in New York State, USA. A total of four pens with approximately 100 cows each were used in the study. There were two identical pens of approximately 100 first lactation cows, one with two DeLaval Swinging Cowbrushes ('Cowbrush') and one Control pen. The second set of two identical pens housed approximately 100 cows each in second or higher lactation with one pen containing two Cowbrushes and one Control pen.

Daily milk production data were available for a period of approximately 3 months before the go-live date of the Cowbrushes and six months after the go-live date. Mixed model linear regression analyses were performed on the daily milk production data.

The results indicated that second lactation cows showed an approximate 3.5% (1 kg) higher daily milk production while no statistically significant difference (at $P < .05$) was observed in first lactation or older lactation animals. Clinical mastitis data were collected before and during the field study period. Clinical mastitis was not different between the study pens before the go-live date of the Cowbrushes, however after go-live, clinical mastitis was reduced by 34% ($P < .05$) in the cows in second and higher lactation in the Cowbrush pen. No difference in clinical mastitis was observed in the two pens with first lactation animals.

In conclusion, installation of the Cowbrushes resulted in either no difference in daily milk production (in lactation 1 and 3 and higher), or in an approximate 3.5% (1 kg) higher daily milk production. Clinical mastitis was lower in pens of cows in second and higher lactation with a Cowbrush present.

El Bienestar Animal afecta el bolsillo del productor

Existe una estrecha relación entre un adecuado estado de bienestar y la producción animal.

- –Pérdidas por claudicaciones alcanzan 360kg por lactancia (Green *et al* 2003).
- –Si hay un 16% de vacas cojas, en un rebaño de 600 vacas hay 96 vacas cojas (Clínicas), entonces:
- $360\text{kg} \times 96 \text{ vacas} = 34.560\text{kg} \times \$200 = \text{\$6.912.000 PESOS CHILENOS!!!}$