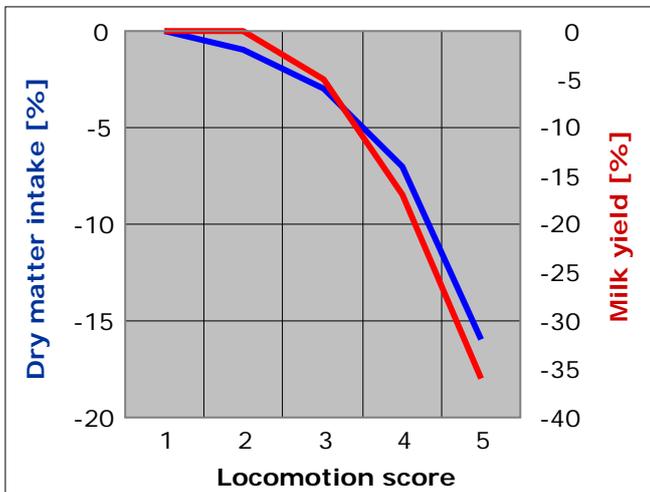


We market our products in Europe, the USA und many other countries around the world. The knowledge we gain through this is compiled and given back to you in the form of helpful tips. Send us your suggestions - we count on them to help us give you a better product!

Thank you very much from your KRAIBURG research & development

MILK LOSSES FROM LAMENESS

Based on Locomotion Scoring the resulting milk losses can be calculated.



source: Peter Robinson, UCDAVIS

Systematic lameness assessment (locomotion scoring) indirectly shows the claw health status. Lame cows eat less and hence produce less milk. (Source: JoDee Sattler, Midwest Dairy Business, 2002)

Investment in claw-friendly walking areas pays off in a short time!

tip: you can easily calculate milk losses from lameness!

SPECIFICATIONS

| Example | A | B | C |
|-------------------------------------|---------------|----|----|
| Cows with score 1 (not lame) | 50 | 63 | 63 |
| Cows with score 2 (mildly lame) | 33 | 30 | 36 |
| Cows with score 3 (moderately lame) | 17 | 12 | 18 |
| Cows with score 4 (lame) | 13 | 10 | 2 |
| Cows with score 5 (severely lame) | 7 | 5 | 1 |
| Number of cows observed | 120 | | |
| Milk price | 0.30 €/litre | | |
| Milk production level of the herd | 35 litres/day | | |
| Herd size | 120 | | |

RESULTS

| Example | A | B | C | |
|---------------------------|--------|--------|-------|-------------|
| Average locomotion score | 2.1 | 1.9 | 1.7 | |
| Average daily milk losses | 1.46 | 1.24 | 0.48 | litres/cow |
| | 175 | 148 | 57 | litres/herd |
| Revenue lost | 52.28 | 44.48 | 17.18 | €/day/herd |
| | 19,192 | 16,236 | 6,270 | €/year/herd |

Source: http://www.zinpro.com/ASPX_Main/en/species/dairy/lameness_calculator.aspx

Not taken into account are further costs like: reduced fertility, vet costs, excessive weight loss, withdrawal period from medicinal treatment, increased replacement, ...

BENCH MARKS FOR A HEALTHY HERD

| Locomotion score | goal |
|------------------|-------|
| 1 | 75 % |
| 2 | 15 % |
| 3 | 9 % |
| 4 | 0.5 % |
| 5 | 0.5 % |

Source: Steve Berry, University of California-Davis

Locomotion Scoring of Dairy Cattle*

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Available from:

| | |
|--|---|
| <p>LOCOMOTION SCORE 1 Clinical Description: NORMAL Description: Stands and walks normally with a level back. Makes long confident strides.</p> | <p>Back Posture Standing: Flat Back Posture Walking: Flat</p> |
| <p>LOCOMOTION SCORE 2 Clinical Description: MILDLY LAME Description: Stands with flat back, but arches when walks. Gait is slightly abnormal.</p> | <p>Back Posture Standing: Flat Back Posture Walking: Arched</p> |
| <p>LOCOMOTION SCORE 3 Clinical Description: MODERATELY LAME Description: Stands and walks with an arched back and short strides with one or more legs. Slight sinking of dew-claws in limb opposite to the affected limb may be evident.</p> | <p>Back Posture Standing: Arched Back Posture Walking: Arched</p> |
| <p>LOCOMOTION SCORE 4 Clinical Description: LAME Description: Arched back standing and walking. Favouring one or more limbs but can still bear some weight on them. Sinking of the dew-claws is evident in the limb opposite to the affected limb.</p> | <p>Back Posture Standing: Arched Back Posture Walking: Arched</p> |
| <p>LOCOMOTION SCORE 5 Clinical Description: SEVERELY LAME Description: Pronounced arching of back. Reluctant to move, with almost complete weight transfer off the affected limb.</p> | <p>Back Posture Standing: Arched Back Posture Walking: Arched</p> |

Source: www.zinpro.com/ASPX_Main/en/species/Dairy/Dairy.aspx