

IF YOUR ANIMAL COULD CHOOSE

KNZ®



I WILL
TAKE
THE SALT
I NEED



Hengelo
SALT SPECIALTIES

“I can’t produce milk without consuming salt. If I produce 40 kg of milk, I use no less than 50 grams of salt. I need salt for different body functions, like producing saliva. I need saliva to digest roughage and to stabilize my rumen pH. This way, I am protected from ruminal acidosis. Salt is an essential part of my nutrition, with an enormous impact on my health, production level, appetite, and fertility.”

INDIVIDUAL NEED

How can you make sure that every cow takes the right amount of salt to be able to stay healthy and produce enough milk? Adding salt to the ration is not a guarantee for success. For example, you can’t be sure that the TMR is always calculated and assembled correctly. And how do you adjust the amount of salt if the ration composition changes or if the temperature rises from 22 to 26°C?

SELF-REGULATION

Nature has the solution. As long as she has access to salt, a cow will take exactly what she needs. By providing your herd with KNZ™ salt licks, you give your cows access to high-quality vacuum salt, which is purified. Moreover, KNZ salt licks are produced without adding artificial colorings, flavors, sweeteners, molasses, or aromatics. This way, cows are not tempted to take more than they need.



BASIC 100
only salt



KNZ™ BASIC 100 is pure salt with 99.9% sodium chloride. Can be used for all animals.

Na Cl



UNIVERSAL



KNZ™ UNIVERSAL is the ideal addition to the basic ration or TMR. In addition to salt and magnesium, it contains essential trace elements like zinc, copper, iodine, and selenium.

Na Cl Mg Zn Cu I

Se



ELEMENTS PLUS
grazing cattle



KNZ™ ELEMENTS PLUS contains extra copper and zinc. Excellent additions for grazing cattle that have a higher need for these elements.

Na Cl Mg Zn Cu I Se

TRACE ELEMENTS

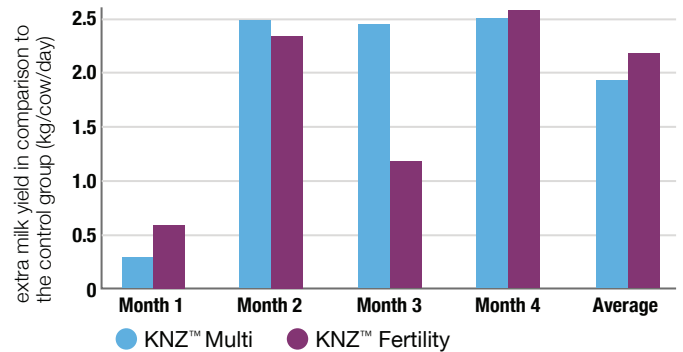
KNZ salt licks contain purified vacuum salt of the highest quality. On top of this, other essential minerals and vitamins are provided in the lick. For grazing herds, these minerals and vitamins are an important addition to fresh pasture. In the barn, these nutrients help to ensure good health. Also when your cow experiences varying mineral supply due to inaccuracies in the TMR and separation on the feed table. This way, KNZ salt licks boost every cow's health and milk production.

The following elements are needed for good cow health and milk production:

- Mg Magnesium**
Nervous system, muscles, and skeleton
- Se Selenium**
Fertility, antioxidant
- Zn Zinc**
Enzyme systems
- I Iodine**
Metabolism
- Cu Copper**
Enzyme activities

HEALTHIER ANIMALS, MORE MILK

With the right care cows have a higher yield. KNZ salt licks can improve the fertility and immunity of your herd. Furthermore, the costs for health care are lower and milk production rises. Field studies show that under specific circumstances, KNZ salt licks can increase the production level up to 2 kg per cow per day. The costs of KNZ salt licks are about 0.01 euro per cow per day. This means that a little increase of only 0.05 kg milk per cow per day already results in higher profits.



The average deviates significantly in comparison to the control group. 8 cows per group. 3 groups: control, KNZ Multi, and KNZ Fertility. Source: R.S. Grewal, 2014. Evaluation of free choice salt and mineral licks in ruminants. Department of Animal Nutrition, GADVASU, Ludhiana, IN.



FERTILITY



KNZ™ FERTILITY supports fertility by a high content of selenium, iodine, and vitamin E. Use of selenium yeast guarantees a better absorption of this element.

Na Cl Mg I Se Vit E



BIOTIN
claw health



KNZ™ BIOTIN helps to prevent claw diseases and can improve body condition and milk yield.

Na Cl Mg Zn Cu I Se

Vit H



JUNIOR
young cattle



KNZ™ JUNIOR is specially formulated to contain trace elements and vitamins for young, growing animals. It helps heifers to reach their growth potential.

Na Cl Mg Zn Cu I Se

Fe Vit A Vit D3 Vit E

KNZ SALT LICK ASSORTMENT

												
		BASIC only salt	UNIVERSAL	STANDARD extra selenium	ELEMENTS PLUS grazing cattle	FERTILITY	BIOTIN claw health	UNIVERSAL MULTI extra iron	JUNIOR young cattle	HORSE	SHEEP	WILD
SALT (NaCl)	%	100	> 99	> 99	> 97	> 99	> 98	> 99	> 90	> 96	> 98	> 98
SODIUM	%	39,3	39,0	39,0	38,5	39,1	38,8	39,1	35,4	37,8	38,8	38,8
MAGNESIUM	%	-	0,2	0,2	0,2	0,2	0,1	0,2	5,0	2,0	0,2	0,2
ZINC	mg/kg	-	810	810	10.000	-	500	810	4.000	1.400	5.000	800
COPPER	mg/kg	-	220	220	1.500	-	150	-	2.500	150	-	2.500
IODINE	mg/kg	-	100	100	100	300	100	50	100	60	300	50
SELENIUM	mg/kg	-	10	20	10	23	20	10	10	10	10	25
SELENIUM YEAST	mg/kg	-	-	-	-	2	-	-	-	-	-	-
IRON	mg/kg	-	-	-	-	-	-	750	500	200	500	700
VITAMINE A	IU	-	-	-	-	-	-	-	225.750	-	-	-
VITAMINE D3	IU	-	-	-	-	-	-	-	51.150	-	-	-
VITAMINE E	IU	-	-	-	-	1.000	-	-	380	-	-	-
VITAMINE H/ BIOTIN	mg/kg	-	-	-	-	-	150	-	-	-	-	-
SUITABLE FOR USE IN ORGANIC FARMING		✓	✓	✓	✓	✓	-	✓	✓	✓	✓	✓

KNZ QUALITY

KNZ salt licks are produced by Hengelo Salt Specialties B.V. This company has more than 100 years of experience in products based on purified vacuum salt of the highest quality. The hardness of the licks ensures that they don't disintegrate easily, not even when they are almost finished.

Moreover, the licks have been pressed in such a way that no adhesive agent such as molasses is used. So, the cows will never be tempted to take more than they need.



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KNZ produces licks for many different animals, please ask your supplier for more information.



YOUR SUPPLIER

