

IF YOUR ANIMAL COULD CHOOSE

KNZ™



I WILL
TAKE
THE SALT
I NEED



AkzoNobel

“I can’t produce milk without consuming salt. When I produce 4 kg of milk, no less than 5 grams of salt leaves my body. I need salt for different body functions, like producing saliva. I need saliva to digest roughage and to stabilize my rumen acidity level. 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 goat takes the right amount of salt, stays healthy and produces enough milk? Adding salt to the ration is not a guarantee for success, because the need of salt varies between goats. It depends on factors like weight and milk production, and naturally of the stage in lactation. 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 goats have access to salt, they will take exactly what they need. By providing your herd with KNZ™ salt licks, you give your goats access to purified vacuum salt of the highest quality. Moreover, KNZ salt licks are produced without adding artificial colorings, flavors, sweeteners, molasses, or aromatics. This way, goats are not tempted to take more than they need.

TRACE ELEMENTS

KNZ salt licks contain vacuum salt of the highest quality, which is purified. On top of this, all other essential minerals and vitamins are provided in the lick. In the barn, these nutrients provide an insurance for good health. Also when your goats experience varying mineral supply due to inaccuracies in the TMR and separation on the feed table. This way, KNZ salt licks boost every goat’s health and milk production.



UNIVERSAL



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

Na Cl Mg Zn Cu I Se



FERTILITY



KNZ™ FERTILITY supports goat fertility by means of 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

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

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

HEALTHIER ANIMALS, MORE MILK

With the right care goats have a higher yield. KNZ salt licks can improve the fertility and immunity of your herd. Thereby, 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 by 16%.*

* R.S. Grewal, 2014. Evaluation of free choice salt and mineral licks in ruminants. Department of Animal Nutrition, GADVASU, Ludhiana, IN.



UNIVERSAL MULTI | extra iron



KNZ™ UNIVERSAL MULTI is enriched with iron. This salt lick is very suited to animals with a higher need of iron or with an increased production level. It does not contain copper and is also suitable for sheep.

- Na
- Cl
- Mg
- Zn
- Fe
- I
- Se



JUNIOR | lambs



KNZ™ JUNIOR is specially formulated to contain trace elements and vitamins for young, growing animals. It helps lambs 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	28,2	39,1	38,8	39,1	35,1	37,8	38,8	38,8
MAGNESIUM	%	-	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	1400	5000	800
COPPER	mg/kg	-	220	220	1.500	-	150	-	2.500	150	-	2500
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	-	-	-	-	-	-	3.000	500	1000	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 AkzoNobel. 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 goats will never be tempted to take more than they need.



KNZ™

KNZ customer service
Postbus 9300
6800 SB Arnhem
The Netherlands
Tel: +31 88 96 94 169
salt.hengelo@akzonobel.com
www.knzsalt.com

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



YOUR SUPPLIER



AkzoNobel