

IF YOUR ANIMAL COULD CHOOSE

KNZ™

# NATURAL SUPPORT FOR GAME



Nouryon

*“I can’t survive without consuming salt. I need salt for different body functions, like producing saliva to kickstart my digestion. Since most green, growing vegetation is much higher in potassium than sodium, I need salt licks to raise my sodium intake and keep my potassium and sodium levels in balance. Also, lactating females in my herd require extra salt, as do the young bucks for the purpose of antler growth. Salt is an essential part of my nutrition, with an enormous impact on my health, reproduction, coat condition, and appetite.”*



## INDIVIDUAL NEED

Wild game have a high need for salt and minerals, as not all these essential elements can be consumed from vegetation in the right amounts. Animals with a mineral deficiency lick on all kinds of objects like: wood, dirt, and rocks. They can even look for road salt in winter, which increases the risk of traffic accidents. For this reason, the provision of the right amount of salt is of high importance for game animal's health. How can you make sure that every animal takes the right amount of salt to stay healthy and fertile? Natural feeds and additional nutrition are not a guarantee for success. The need for salt varies between animals. How do you handle this? And how do you meet the needs for salt when it is becoming less accessible in nature due to seasonal changes and continuous acidification?

## SELF-REGULATION

Nature has the solution. As long as wild game has access to salt, the animals will take exactly what they need. By providing wild game KNZ™ WILD salt licks, you give these animals 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, the animals are not tempted to take more than they need. Additionally, KNZ salt licks attract animals to the feeding station.

## TRACE ELEMENTS

KNZ salt licks contain purified vacuum salt of the highest quality. On top of this, all other essential minerals are provided in the lick. For wild game, these minerals are an important addition to their natural feeds. This way, KNZ salt licks boost every animal's health.

The following elements are needed for good health of wildlife:

**Na**

### Salt (NaCl)

Salt is an essential mineral in the life of wild game.

+

**Cl**

Among other things, it maintains a good acid and fluid balance. It also plays an important role in the functioning of the central nervous system and muscular contraction. Moreover, KNZ salt supports the intestinal flora, which results in a better digestion.

**Mg**

### Magnesium

Magnesium is of high importance for the health of wild game. A mineral that, among other things, ensures healthy nerve cells, strong bones, and good muscle formation.

**Zn****Zinc**

Zinc plays an essential role in many body processes, like enzyme systems concerned with metabolism, the healing process and disease resistance. Zinc is essential for skin and bone development.

**Cu****Copper**

Deer are sensitive to copper shortage. Copper is required for enzyme activity, plays a role in the central nervous system, and is associated with iron metabolism. To have enough copper in feed is also essential for strong bones.

**I****Iodine**

Iodine is essential for basal metabolism by producing thyroxin by the thyroid gland. It has a positive effect on growth and development of deer and moose (calves).

**Se****Selenium**

Selenium plays an important role in fertility. Selenium is a component of the antioxidant enzymes, protecting against cell damage. It prevents muscle disturbances and enhances the effectivity of iodine.

**Fe****Iron**

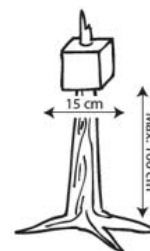
Iron is a component of red blood cells and improves the functioning of organs and tissues. It also plays a role in oxygen transport.

**HEALTHIER GAME**

With the right care the reproduction rate of wild game increases. KNZ salt licks can improve the welfare and health of wild game.

**INSTRUCTIONS FOR USING SALT LICKS:**

- Hang the KNZ salt lick near a water source on a well traveled trail.
- Do not place the lick directly on the ground, but on a log or stump approximately 1 meter (3 feet) above the ground.
- The base of the lick should have a diameter of at least 15 cm (6 inches).
- Fix the salt lick with a stick or nail through the center hole. This way, diluted salt can run down the tree trunk and can be utilized by smaller animals.

**WILD**

**KNZ™ WILD** is specially developed for wild game. The special recipe for wild game is developed by thorough lab analyses of liver samples of shot deer. The mineral and trace element deficiencies in the liver samples provided essential information for the ingredients of the KNZ WILD lick.

The salt lick contains not only sodium and chloride, but also magnesium, zinc, copper, iodine, selenium, and iron. Besides contributing to the mineral and trace element need, the KNZ lick also attracts animals to the feeding station.



## KNZ SALT LICK ASSORTMENT

		 <b>BASIC</b> only salt	 <b>UNIVERSAL</b>	 <b>STANDARD</b> extra selenium	 <b>ELEMENTS PLUS</b> grazing cattle	 <b>FERTILITY</b>	 <b>BIOTIN</b> claw health	 <b>UNIVERSAL MULTI</b> extra iron	 <b>JUNIOR</b> young cattle	 <b>HORSE</b>	 <b>SHEEP</b>	 <b>WILD</b>
<b>SALT (NaCl)</b>	%	100	> 99	> 99	> 97	> 99	> 98	> 99	> 90	> 96	> 98	> 98
<b>SODIUM</b>	%	39,3	39,0	39,0	28,2	39,1	38,8	39,1	35,1	37,8	38,8	38,8
<b>MAGNESIUM</b>	%	-	0,2	0,2	0,2	-	0,1	0,2	5,0	2,0	0,2	0,2
<b>ZINC</b>	mg/kg	-	810	810	10.000	-	500	810	4.000	1.400	5.000	800
<b>COPPER</b>	mg/kg	-	220	220	1.500	-	150	-	2.500	150	-	2.500
<b>IODINE</b>	mg/kg	-	100	100	100	300	100	50	100	60	300	50
<b>SELENIUM</b>	mg/kg	-	10	20	10	23	20	10	10	10	10	25
<b>SELENIUM YEAST</b>	mg/kg	-	-	-	-	2	-	-	-	-	-	-
<b>IRON</b>	mg/kg	-	-	-	-	-	-	750	500	200	500	700
<b>VITAMINE A</b>	IU	-	-	-	-	-	-	-	225.750	-	-	-
<b>VITAMINE D3</b>	IU	-	-	-	-	-	-	-	51.150	-	-	-
<b>VITAMINE E</b>	IU	-	-	-	-	1.000	-	-	380	-	-	-
<b>VITAMINE H/ BIOTIN</b>	mg/kg	-	-	-	-	-	150	-	-	-	-	-
<b>SUITABLE FOR USE IN ORGANIC FARMING</b>		✓	✓	✓	✓	✓	-	✓	✓	✓	✓	✓

## KNZ QUALITY

KNZ salt licks are produced by Nouryon (formerly known as AkzoNobel Specialty Chemicals). This company has more than 100 years of experience in products based on purified Dutch 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, wild game will never be tempted to take more than they need.

## LICK HOLDER

The 10 kg synthetic lick holder is very durable and does not rust. The holder is ideal for fenced deer and can easily be hanged. The fastening pin is able to stand the force of licking animals.



# KNZ™

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



## YOUR SUPPLIER



**Nouryon**