



# BOLUS

POLISH  
PRODUCT

## $\beta$ -Carotene

*extended release period - 20 days*

$\beta$ -karoten 1600 mg  
wit. A 2 000 000 jm  
Selen 120 mg



Zn 23 000 mg  
Mn 12 000 mg  
Cu 8 000 mg  
I 1 556 mg

SUPPORTS  
PREPARATION OF COWS FOR  
**ESTROUS CYCLE** and **REPRODUCTION**  
HIGH CONTENT OF  
**VITAMIN A** and  **$\beta$ -CAROTENE**

*Manufactured in accordance with GMP+ system and ISO 22000:2005 standard*

**Diet compound feed for cattle.**

**Recommended use:** In order to supplement necessary microelements and vitamins in highyielding cows, especially in the case of reproduction problems.

**Application:** Milk cows - apply 1 bolus with the use of applicator into the mouth approx. 30 days after birth. The application can be repeated after 30 days.

**Storage:** At room temperature, avoid moisture.

**Shelf life:** 18 months from the date of manufacture.

**Packaging:** 8 boluses, each weighing  $\pm 95$  g.

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## Deficiency of $\beta$ -carotene and vitamin A causes:

OVARIES	ESTROUS CYCLE	REPRODUCTION
<i>delayed ovulation</i>	<i>irregular reproductive cycles</i>	<i>reduced number of inseminations</i>
<i>underdevelopment of the corpus luteum</i>	<i>silent estrous cycles lack of estrous cycles</i>	<i>extended inter-calving period</i>

## SIGNIFICANCE OF BETA-CAROTENE IN THE FEEDING OF MILK COWS:

The demand of cows for  $\beta$ -Carotene depends on the performance and amounts to 80-100 mg, and even more. In the summer period, green forage covers the entire demand of cows for  $\beta$ -Carotene, but during winter and in the early spring there may occur deficiencies of  $\beta$ -Carotene in many herds, which are additionally intensified by the excess of potassium, nitrates and mycotoxins in the fodder. Even minor deficiencies of  $\beta$ -Carotene lead to disorders in the reproduction of cows and to the birth of weak calves that are susceptible to diarrhea

**Due to the above reason, it's recommended to provide additional supplementation of  $\beta$ -Carotene and microelements in the form of BOLUS.**

*reproduction under*  
**CONTROL**



### The level of daily release of the ingredients of 1 bolus (for a period of 20 days)

Copper (Cu)	400 mg
Vitamin A	100 000 j.m.
$\beta$ -Carotene	80 mg
Iodine (I)	78 mg
Manganese (Mn)	600 mg
Selenium (Se)	6 mg
Zinc (Zn)	1150 mg