

# Discover the Future!

New Product Groups that Maintain Animal Health and Productivity



## GENERAL INFORMATION

### What is Biotechnology?

Biotechnology means all the methods employed to obtain a new organism using all or part of plants, animals or microorganisms, or to increase animal health and productivity by bringing about the desired changes in the genetic make-up of an existing organism.

### What is Probiotic?

Probiotics are biological products formed from the culture of beneficial microorganisms that are used as feed additive substances to regulate the microflora balance in the digestive tract, to prevent pathogenic microorganisms from becoming harmful and reproductive, and thus to increase utilization from feeds.

### Uses of probiotics:

Probiotics have been used for many years in applications to increase yield in animal feed. Probiotics are used for the protection and treatment of certain diseases related to the digestive system in animals. (1)

The fact that they are natural, they do not harm the animal, they are not absorbed from the digestive tract are the properties that make them an alternative to antibiotics. (1)

Probiotics are commonly used to increase resistance to infectious intestinal diseases, to reduce diarrhea and allergies, to increase white blood phagocytosis, to prevent tumors, to remove stress before and after transport in animals. (2)

Probiotics can be used to support beneficial intestinal flora to prevent the placement of pathogenic microorganisms and diseases. Probiotics minimize the conditions that appear during transport of animals such as diarrhea, low yields and reduced feed conversion, which are caused by the effects of stress factors such as high temperature, squeezing, and thirst. (2)

With probiotic application, it is tried to minimize the effects of stress, such as inadequate colostrum intake, poor nutrition, parasitic infestations, vaccination, bad weather conditions, infections. (2)

### The positive effects of probiotics are listed as follows;

- Preventing the growth of pathogenic microorganisms by forming lactic acid,
- Limiting the generation of pathogens by releasing hydrogen peroxide,
- Holding on the surface of the intestines before pathogens, compete for food,
- Not leaving space for pathogenic microorganisms by reproducing rapidly in the intestinal environment,
- Contributing to the synthesis of group B vitamins,
- Increasing appetite due to their tasty natural flavors,
- Releasing digestive enzymes such as proteinase, lipase, proteinase and cellulase,
- Synthesizing acetic acid, the precursor for fatty acid during fermentation. (2)



### What is Prebiotic?

Prebiotics are the non-digestive components that increase the effectiveness of probiotics by following the numbers and activities of beneficial bacteria found in the gut. These are the food eaten by bacteria. Prebiotics have positive effects such as regulating digestion, increasing vitamin synthesis and mineral substance absorption, decreasing risk of colon cancer and decreasing cholesterol, and strengthening the immune system. They increase the viability and growth rate of probiotics in the intestines. Therefore, it is important to use them symbiotically to take advantage of the synergistic effects of prebiotics and probiotics in terms of better yield. (3)

**Inulin:** Inulin is a prebiotic fiber. The main beneficial effect is the prevention of ketosis. It is very useful for the growth of the calves and their intestinal health. It helps development in animals, feed conversion, and increase the production of meat and milk. It increases the formation of volatile fatty acids that provide energy to the ruminants. Also, as in humans, it helps increase the beneficial bacteria and decrease the number of harmful bacteria in the intestines. It is useful in preventing pregnancy toxemia in sheep when administered in the last period of pregnancy. It has a protective effect on the liver. If added in the cows' feeds in the last period of pregnancy, it increases the quality of colostrum. With the energy it provides, it prevents sudden weight loss in mother cows during the period after birth and allows them to be in heat again as soon as possible. (3)

**MOS:** Prebiotics, like probiotics, have positive effects on the immune system. However, in addition to accelerating the reproduction of beneficial bacteria along with natural microflora in the intestinal tract of MOSs, it is stated that pathogen microorganisms bind to the bacterial fimbriae, which helps them hold on the surface of intestinal epithelial cells, preventing pathogens from holding on the intestinal tract and initiating infection. (3)

### What is Enzyme?

Enzymes are biocatalysts produced by living cells and functioning in specific biochemical reactions. It is aimed to better utilize the digestive power structural carbohydrates and other organic and inorganic elements in the feeds and to neutralize the undesired substances by providing the enzymes that the animals cannot secrete enough or at all with the addition of enzymes to the feeds.

Although the digestion of feeds in adult ruminants is largely due to microbial activity in the rumen, there has been an increase in the work on the use of exogenous enzymes in recent years in order to increase the utilization of feed mainly due to the fact that the fermentation of rumen is not fully developed in newborns and the energy requirement is high in high yield milk cows.

It may increase the absorption of nutrients in the small intestines by reducing the viscosity in the small intestines or by hydrolyzing the nutrients that escape from the rumen digestion. (4)

### REFERENCES;

- 1- (Kılıc and Colleagues 2007). (Journal of Tekirdag Agricultural Faculty Koçyiğit & Tüzemen 2012 9 )
- 2- (Kafkas Univ. Vet. Med. J. 2005,11(1):93-98 D.Sarıpınar, N.Sulu Probiotics usage on Ruminants and effect on rumen)
- 3- Journal of Turkish Veterinarians Association 2014: 3 – 4 Scientific Articles İlker ŞİMŞEK 1 Ali BİLGİLİ 2
- 4- Journal of Erciyes Univ Veterinary Medicine Faculty 6(1) 65-75, 2009 B. KOCAOĞLU GÜÇLÜ, K. KARA Review Article; Usage of Alternative Feed Additives on Ruminant: 1. Probiotics, Prebiotics and Enzym





## CMA Biotechnological products

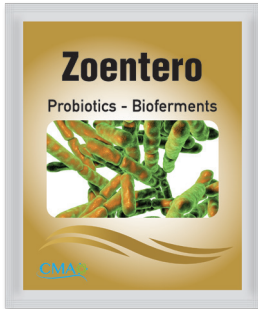
Products	Content	Target Species	Packing	Origin
<b>Animal Health Pharmaceuticals</b>				
<b>Probiotics + Bioferments</b>				
<b>Zoentero</b>	Probiotics and bioferments isolated from digestive system of ruminants	Calf, lamb and goat kids	30 X 10 g, 10 X 50 g	CMA-Turkey
<b>Probiotics + Prebiotics + Enzymes</b>				
<b>ZymFlor Ruminant</b>	Probiotics prebiotics and enzymes isolated from digestive system of ruminants	Ruminants	50 X 4 g, 10 x 50 g	CMA-Turkey
<b>ZoeRumex</b>	Trace elements, amino acids, live yeast, sorbitol	Ruminants	10 X 50 g	CMA-Turkey
<b>Technological Products</b>				
<b>ZoeMint Krem</b>	35% japonase mint oil	Ruminants	100 ml, 250 ml, 600 ml	CMA-Turkey
<b>Super 7 Sprey</b>	NaOH 80 %, NaHCO <sub>3</sub> , NaCl, Natrium salt	Livestock	75 ml, 473 ml	Veterycin-USA
<b>Incihoof Gel</b>	Cupper chalated 3,18 % and Zink chelated 3,10 %	Ruminants	300 g	Kanters-The Netherlands
<b>Chitopan Sprey</b>	Chitosane, chlorehexidine, lactic acide	Cattle, sheep, goat, horse, cat and dog	450 ml	Vetagro-Poland
<b>Zoetrizan Sprey</b>	Chitosane, chlorehexidine, lactic acide	Cattle, sheep, goat, horse, cat and dog	75 ml, 125 ml, 250 ml	CMA-Turkey
<b>Vitamins + Minerals + Amino acid</b>				
<b>Bio-AminoVit Ruminant</b>	Prebiotics, vitamins, minerals and amino acid. Efervesan.	Ruminants	50 X4 g, 10 X 50 g	CMA-Turkey
<b>Boviferm Plus</b>	Na, P, Cl, Glucose, E. faceium, Extracts of banana, daisy, anice, fennel, Vit A and E	Calf, lamb and goat kids	24X115 g	Chevita-Germany
<b>ZoeVit-K</b>	1 Kg contains: 50.000 IU Vit A, 12.000 mg/Kg Vit K3, antioksidant and lactose	Poultry& Ruminant	10 X 50 g	CMA-Turkey
<b>ZoeVit-ES</b>	1 Kg contains: 50.000 mg Vitamin E, 300 mg Selenium and laktose	Ruminants	10 X 50 g	CMA-Turkey
<b>Disinfectant</b>				
<b>Biocon-a</b>	50 % Potasyum peroksimonosulphate	General	20 X 5 g, 10 X 50 g	Apeks-KMK Turkey
<b>Biocides</b>				
<b>Insecticide</b>				
<b>Alphi</b>	Azemethiphos 10 %	Adult, Flies	100 g, 250 g	Belgagri-Belgium
<b>Rodenticide</b>				
<b>Nora Pasta</b>	Difenacoum 0.005% + Bitrex 0,001%	Rat&Mice	90 gr, 5 kg, 10 kg	Belgagri-Belgium
<b>Larvicide</b>				
<b>Maggots SG</b>	Cyromazine 2 % (Soluble Granules)	Larvae, Flies	5 kg	Belgagri-Belgium



# LIVESTOCK



# Zoentero



## New Generation Biological Nutritional Product

Protect The Intestines, Protect All Body

**Stop the lost of calf, lamb and goat kids**

Shortage of clostrum, antibiotics, vaccinations, intestinal illness, change to feed, climatical changes, transport stress and other environmental changes cause disorder of normal flora

- Support to develop normal natural flora
- Regulate digestive system disorders support the immune system of lamb and goat kids
- Probiotics prevent infections and development of pathogenic microorganisms in digestive system
- Yeast content increase feed consumption and live weight of calf, lamb and goat kids
- Full protection of digestive system due to probiotics and bioferments content by using after 3<sup>rd</sup>.d of birth. Facilitate Healty population.
- **The First and Unic Biofermentation Product Isolated from Digestive System**

**Usage and Description:** Probiotics and bioferments in the content help to regulate digestive system disorders support the immune system. 10 g for newborn calves, 5 g for lamb and goat kids are added in drinking water or to feed once a day during lactation (45-60 days) period. Application may start at day 3., digestive disorders may support by apply as two times as high in given amounts and times at 3 d period.

**Cautions and Adverse Effects:** If added into the drinking water, water should not contain chlorine and antibiotics.

**Storage Conditions:** It should be stored in a cool, dry place without sunlight.

**Best Use:** It should be used within 24 months from the production date.

**Packaging:** 30 x 10 g sachet in Box, 10 x 50 g sachet in Box

**THIS IS NOT A MEDICINE, FEED PREMIX. NOT USED FOR TREATMENT.**

Approval No: aTR-0600121

Approval Date: 06/01/2014

# Probiotics Bioferments

## Content:

Active substance	Premix level (in 1 kg)	Units
<b>Probiotics (10<sup>10</sup> CFU/g) (%1)</b>		
<i>Lactobacillus casei</i>	≥1x10 <sup>10</sup>	CFU
<i>Pediococcus acidilactici</i>	≥1x10 <sup>10</sup>	CFU
<i>Enterococcus faecium</i>	≥1x10 <sup>10</sup>	CFU
<i>Propionibacterium freudenreichii</i>	≥1x10 <sup>10</sup>	CFU
<i>Saccharomyces cereviceae</i>	≥1x10 <sup>7</sup>	CFU
<b>Bioferments (50%): The metabolites of the following flora.</b>		
<i>Bacillus subtilis</i>	≥1x10 <sup>10</sup>	CFU
<i>Lactobacillus acidophilus</i>	≥1x10 <sup>10</sup>	CFU
<i>Lactococcus lactis</i>	≥1x10 <sup>10</sup>	CFU
<i>Lactobacillus casei</i>	≥1x10 <sup>10</sup>	CFU
<i>Pediococcus acidilactici</i>	≥1x10 <sup>10</sup>	CFU
<i>Enterococcus faecium</i>	≥1x10 <sup>10</sup>	CFU
<i>Propionibacterium freudenreichii</i>	≥1x10 <sup>10</sup>	CFU
<i>Saccharomyces cereviceae</i>	≥1x10 <sup>7</sup>	CFU
<i>Leuconostoc mesenterium</i>	≥1x10 <sup>10</sup>	CFU
<i>Leuconostoc dextranicum</i>	≥1x10 <sup>10</sup>	CFU
<i>Bifidobacterium animalis</i>	≥1x10 <sup>10</sup>	CFU
<i>Megasphaera elsdenii</i>	≥1x10 <sup>10</sup>	CFU
<b>Support Foods (49%)</b>		
Inaktif maya / Inactive yeast	300	g
Laktozu alınmiş peynir altı suyu tozu/ Lactoze free whey powder	190	g
<b>It does not contain any carrier or tickener.</b>		

CFU: Colony Forming Unit





# Super 7



With its patented hypochloride technology, it is a solution that allows cicatrizing tissue to form in the newborn calf's umbilical cord, and dry-out the umbilical cord within 8 hours

IMPORTED FROM USA

## Specifications

With its patented hypochloride technology, it allows the umbilical cord to dry-out within 8 hours at the latest and ensures cicatrizing tissue to form in the navel. Shows %50 faster dry-out activity compared to the iodine products. Thus, it plays a protective role against micro-organisms that can cause diseases that may enter the umbilical cord after birth. Environment-friendly content does not cause allergic reactions in the application area.

**Usage Area and Dose:** After the birth has occurred and the calf can stand up, and while the umbilical cord is damp, the umbilical cord is sprayed to the belly area. The cleanliness of the application area is important in achieving the desired result. Single dose application is sufficient. **Note:** After application, the spray nozzle must be closed by turning to 'OFF' position. This is important in that the trigger will not clog the next time the spray is used.

**Storage Conditions and Shelf Life:** It must be stored below 23 °C without direct sunlight. Shelf life is 24 months from the date of manufacture.

**Commercial Presentation Form:** 75 ml - 473 ml original spray packages.

Non-Medical Veterinary Product  
Registration Date: 06.04.2016-5/058

## Umbilical cord Dry Out-Cicatrizing



**Contents:** Sodium hydroxide 80%  
Sodium bicarbonate - Sodium chloride - Sodium salt



# Boviferm Plus



**Special purpose feed, supplemented with vegetal content, which is also used as an energy source in the reconstitution of liquid and electrolyte balance, which is lost at the beginning of the feeding-related diarrhoea**

**IMPORTED FROM GERMANY**

## Specifications

The herbal contents (anise, fennel, daisy extract) has an effect that relieves intestinal spasms, gas extracting, stool consistency enhancer (rice flour-xanthom). Vitamin E and vitamin E stimulate the immune system. The contained buffer substances eliminate the negative effect of enhancing the diarrhoea. Prevents rumen acidosis. Demonstrates supplementary activity for the calves with digestible carbohydrates as energy source. With banana particles inside, the need for potassium is provided for the calves, at the other hand it is easily consumed by the calves with its aromatic character. While the Probiotic inside (*Enterococcus faecium*) is working for the intestinal flora to be regulated, at the other hand, it prevents pathogenic microbes to enter the intestine.

**Usage Area and Dose:** Until the digestive system of the calves are in balance; 115 g pack is dissolved in 2 L water or 0,5 to 4 L milk or calf feed, and is fed to the calves in morning and evening through oral route. No restriction should be made to the milk and water needed by the calf during the diarrhoea. Boviferm Plus has the ability to remove milk's negative effect of triggering diarrhoea. For this reason, feeding the calf with milk or calf feed is not a problem. Thus, the calf is not deprived of the nutritional values it provides.

**Storage Conditions and Shelf Life:** It should be stored below 25°C. Shelf life is 24 months from the date of manufacture.

**Commercial Presentation Form:** 115 g sachets 24 pcs.

**Dietetic Feed Registration Date**  
18/12/2013 34-I-140

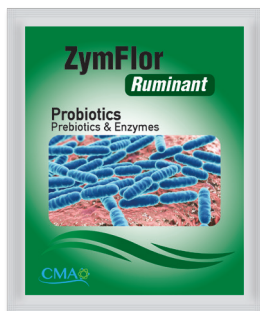
## Liquid, Electrolyte Source Diarrhoea Cure



## Contents:

**Raw Oil:** 0,5% **Raw Protein:** 4,0% **Raw Fibre:** 1,4% .  
Sodium - Potassium - Chlorides - Glucose - Enterococcus  
F. - Banana / Daisy anise / Fennel / Rice flour - A and E vitamins.

# ZymFlor *Ruminant*



**New Generation Biological Nutritional Product**

**Protect The Intestines, Protect All Body**

**Shortage of clostrum, antibiotics, vaccinations, intestinal illness, change to feed, climatical changes, transport stress and other environmental changes cause disorder of normal flora**

## Properties:

- Contains probiotics, prebiotics and enzymes developed from normal natural micro flora of rumen.
- Probiotics are used to prevent infections and development of pathogenic microorganisms in digestive system and support development of immune system of livestock.
- Support microbial flora balance level due to antibiotic usage. Used as supportive during treatment and vaccination.
- Support rumen ecosystem balance due to feed change, temperature changes, transport and stress.
- Increase feed conversation
- Develop milk and meat quality&quantity
- **The First and Unic Probiotic Product Isolated from Local Ruminant Digestive System**

**Usage and Description:** The microorganisms in its contents help to regulate the digestive system and support the immune system. 4 g in cattle, 2 g in sheep and goats, once per day per animal feed or water is added.

**Cautions and Adverse Effects:** If added into the drinking water, water should not contain chlorine and antibiotics.

**Storage Conditions:** It should be stored in a cool, dry place without sunlight.

**Best Use:** It should be used within 18 months from production date.

**Packaging:** 50 x 4 g sachet in Box, 10 x 50 g sachet in Box

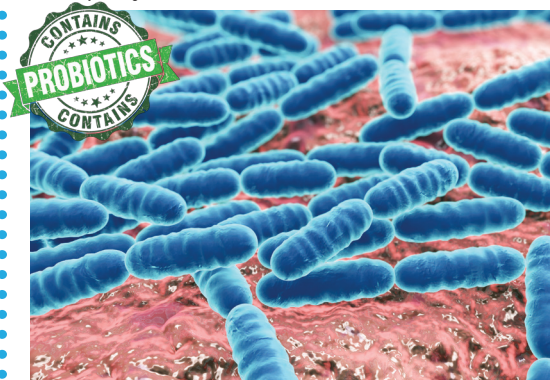
**THIS IS NOT A MEDICINE, FEED PREMIX. NOT USED FOR TREATMENT.**

## Probiotics Prebiyotik-Enzyme

### Content:

Active substance	Premix level (in 1 kg)	Units
Probiotics (10 g) also contain adjunct culture and CE culture.		
<i>Lactobacillus casei</i>	$\geq 1 \times 10^{10}$	CFU
<i>Pediococcus acidilactici</i>	$\geq 1 \times 10^{10}$	CFU
<i>Enterococcus faecium</i>	$\geq 1 \times 10^{10}$	CFU
<i>Propionibacterium freudenreichii</i>	$\geq 1 \times 10^{10}$	CFU
<i>Saccharomyces cereviceae</i>	$\geq 1 \times 10^7$	CFU
<b>Prebiotics</b>		
Inulin	100	g
MOS	200	g
<b>Enzymes (in 100 g carrier)</b>		
Xylanase	2.200.000	BXU
Cellulase	270.000	FPUI
Glucanase	100.000	FBG
<b>Carriers</b>		
Maltodextrine	590	g

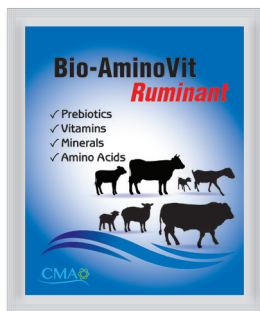
CFU: Colony Forming Unit



Approval No: aTR-0600121

Approval Date: 06/01/2014

# Bio-AminoVit *Ruminant*



## High Resistance

Shortage of clostrum, antibiotics, vaccinations, intestinal illness, change to feed, climatical changes, transport stress and other environmental changes cause disorder of normal flora

**EFFERVESCENT**

**STRONG IMMUNE SYSTEM**

### Properties

- Nutritional product comply need of Prebiotic, Vitamins, Minerals, Amino Acid of all livestock populations.
- Used to prevent losses of calf diareal infections and support development of immune system.
- Support immune system due to transport, after birth, during treatment and vaccination. Support to immune system and increase yield.
- Develop milk and meat yield, quality&quantity, support development of nail, skin and bone.
- Efervesant formulation easily and homogenously mix with water.
- Prebiotic contents increase effect of probiotics in digestive system, regulate digestion increase vitamin synthesis and absorbtion of minerals.

**Usage and Description:** It is used for 3-5 days by adding to their drinking water or feed to meet prebiotic, vitamin, mineral and amino acid needs of ruminants.

**Practical Use:** • 1 g for 20 kg ca • 1.5 g for 20-50 kg ca • 2 g for 50-100 kg ca  
• 3 g for 100-200 kg ca • 4 g for 200 kg and above

**Cautions and Adverse Effects:** As it contains Vitamin D3, use with products containing vitamin D2 is prohibited. Safety glasses, gloves and a mask must be worn during use.

**Storage Conditions:** It should be stored in a cool, dry place without sunlight.

**Best Use:** It should be used within 24 months from production date.

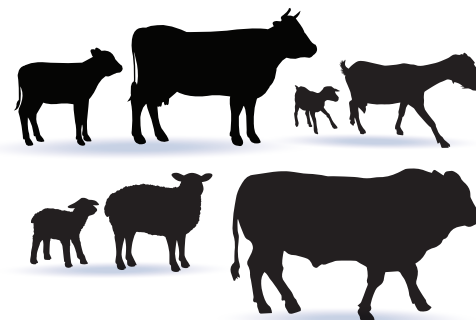
**Packaging:** 50 x 4 g sachet in Box, 10 x 50 g sachet in Box

**THIS IS NOT A MEDICINE, FEED PREMIX. NOT USED FOR TREATMENT.**

## Prebiotics-Vitamins Minerals-Amino Acids

### Content:

Active substance and premix level (in 1 kg)	
Vitamins	Trace Minerals
Vitamin A 30.000.000 IU	Çinko / Zinc 840 mg
Vitamin D3 5.000.000 IU	Bakır / Copper 600 mg
Vitamin E 30.000 mg	Selenium / Selenium 20 mg
Vitamin K3 10.000 mg	Amino Acids
Vitamin C 150.000 mg	DL-Methionine 20.000 mg
Vitamin B1 20.000 mg	Prebiotics
Vitamin B2 25.000 mg	Inulin 150.000 mg
Niacin 30.000 mg	MOS 132.090 mg
Choline chloride 1.000 mg	Perservative
Pantothenic acid 10.000 mg	Sodium propionate 50.000 mg
Vitamin B6 2.000 mg	Carriers
D-Biotin 40 mg	Magnesium sulphate 10.000 mg
Folic acid 1.000 mg	Sodium bicarbonate 300.000 mg
Vitamin B12 10 mg	Potassium chloride 17.400 mg



Approval No: aTR-0600121

Approval Date: 06/01/2014



# Inci hoof Gel



**Gel product for cow's claw-care  
against interdigital dermatitis**

**IMPORTED FROM THE NETHERLANDS**

## Intended Use

With chelated Copper and Zinc in its content, it is a gel product that increases the strength of the nail with long-lasting activity especially in the treatment of digit lesions caused by interdigital dermatitis. After the required irritation and cleaning of the digit, which has suffered structural malformation, the product area is applied with the help of a brush and the region is bandaged. The bandage left on the digit for an average of 5 days is removed at the end of this period. At the end of the period, a noticeable improvement is detected in the digit. Massaging with Zoemint to the digit with a lesion throughout the application, increases product efficiency.

**Note:** Adhesion to the digit surface is higher than rival products and the amount of net active substance is higher.

**Storage Conditions and Shelf Life:** Store at +5 to +25 °C. Do not leave the package cover open.

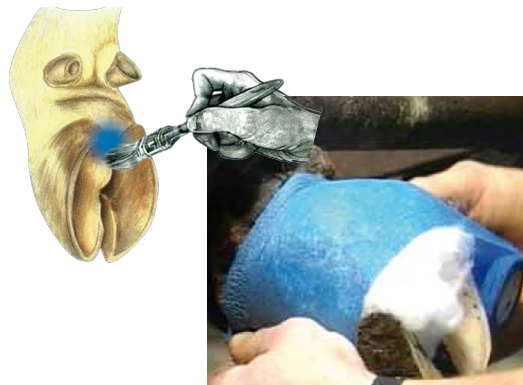
Do not expose to direct sunlight.

Shelf life is 24 months from the date of manufacture.

**Commercial Presentation Form:** Offered for sale in 300 ml packages.

**Non-Medical Veterinary Product**  
**Registration Date: 28/02/2014 3-031**

**Nail curative product  
chelated copper and zinc**



**Contents:** Chelated Copper 3.18 g (pure)  
Chelated Zinc 3,10 g (pure)

# Chitopan Spray



**Used in all kinds of wounds, scratches and tissue damage, as well as in post-operative wound care**

IMPORTED FROM POLAND

## Specifications

With Chitosan, Chlorhexidine and Organic Acids within, it stimulates the formation of a scarification texture in the wound area as soon as possible. With chlorhexidine content, it prevents the wound area from infection and allows the wound to be cleaned. Thanks to the organic acids it contains, it helps the environment to become acidic and prevents microbial growth. With its structure that can be used in stitching wounds, it shortens the healing period of surgical scar tissue. It can also be used on a bleeding wound.

**Usage Area and Dose:** It is applied by spraying 1 to 3 times to the scar tissue area. After the implementation, the area must not be dried. It can be used 2 to 3 times a day. The same procedure must be continued until the wound is healed.

**Storage Conditions and Shelf Life:** Store at +5 to +25 °C.  
Do not expose to direct sunlight.  
Shelf life is 24 months from the date of manufacture.

**Commercial Presentation Form:** 450 ml spray packages.

Non-Medical Veterinary Product  
Registration Date: 12/05/2015 4-083

# Cicatrizan Wound Care



**Contents:** Chitosan, Chlorhexidine and Lactic acid

# ZoeMint Cream

## Breast Lobe Care Cream

**Cream consisting Japanese Mint Oil that is used for removal of symptoms of symptomatic mastitis for cows, breast ailments before and after birth for heifers.**

### **Intended Use**

32-36% Japanese mint oil within is effective in removing the symptoms of Mastitis seen on the breast (redness-burning-swelling and pain) observed in the mother without the need to use antibiotics and which is not mixed with milk. It stimulates the natural defence mechanism by increasing blood circulation in the application area. Can be used to remove breast swelling (oedema) in pre-birth and post-birth as well as burning reliever for traumatic sprains and injuries and similar situations for animals. With its easily absorbed structure, it starts to show activity in a short time. It is applied on the breast lobe by massaging for 2-3 days and 3-4 times a day (after every milking in breast applications). It can be kept easily with its hanging hooks in the desired place in the parlour.

**Note:** Should not be applied on wounded breasts and tissues.

**Storage Conditions and Shelf Life:** Store at +5 to +25 °C. Keep the packing cover tightly closed. The original packaging should be consumed within 12 months after opening. Do not expose to direct sunlight. Shelf life is 24 months from the date of manufacture.

**Commercial Presentation Form:** 100 ml, 250 ml and 600 ml packages.

**Non-Medical Veterinary Product**  
**Registration Date:**



### **HEPLS SYMPTOMATIC TREATMENT**

**Contents:** 32-36% Japanese Mint Oil



# ZoeMint Spray

**Spray consisting Japanese Mint Oil that is used for removal of symptoms of symptomatic mastitis for cows, breast ailments before and after birth for heifers**

## **Intended Use**

12 % Japanese mint oil within is effective in removing the symptoms of Mastitis seen on the breast (redness-burning-swelling and pain) observed in the mother without the need to use antibiotics and which is not mixed with milk. It stimulates the natural defence mechanism by increasing blood circulation in the application area. Can be used to remove breast swelling (oedema) in pre-birth and post-birth as well as burning reliever for traumatic sprains and injuries and similar situations for animals. With its easily absorbed structure it starts to show activity in a short time. It indicates which animal is being applied with the permanent blue colour of the animal in the field of application. This permanent colour lasts for 6 hours. If the area to be treated is fur free, it is sprayed 3 times by moving the spray apparatus from top to bottom, without having to massage. It is applied on the breast lobe by massaging for 2-3 days and 3-4 times a day (after every milking in breast applications).

**Note:** Should not be applied on wounded breasts and tissues.

**Storage Conditions and Shelf Life:** Store at +5 to +25 °C. Keep the packing cover tightly closed.

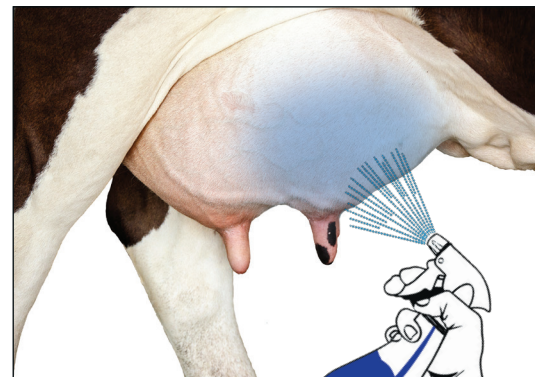
Do not expose to direct sunlight.

Shelf life is 24 months from the date of manufacture.

**Commercial Presentation Form:** In 125 ml, 500 ml spray packs.

**Non-Medical Veterinary Product  
Registration Date:**

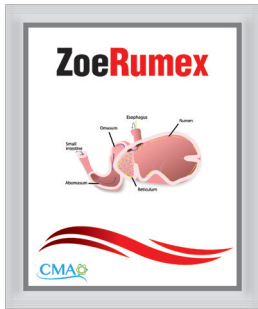
## Breast Lobe Care Spray



## **HELPS SYMPTOMATIC TREATMENT**

**Contents:** 12% Japanese Mint Oil

# ZoeRumex



**Digestive regulator and a liver protective product that affects the rumen function positively**

## Specifications:

- It supports the development of rumen flora in ruminants with mineral, amino acid and live yeast content and increases the use of feed.
- Trace elements support healthy growth and development.
- Methionine and sorbitol have protective activity on the liver.

**Intended Use and Description:** It is used to meet the mineral needs of cattles, sheeps and goats and with the purpose of promoting the use of rumen flora and feed. In general applications, it is calculated as 100 g for cattles, 50 g for calves and 20 g for sheep and goats.

**Warnings and Adverse Effects:** For safety, glasses, gloves, mask must be worn during use.

**Storage:** Keep in cool and dry places without sunshine.

**Shelf Life:** 24 months

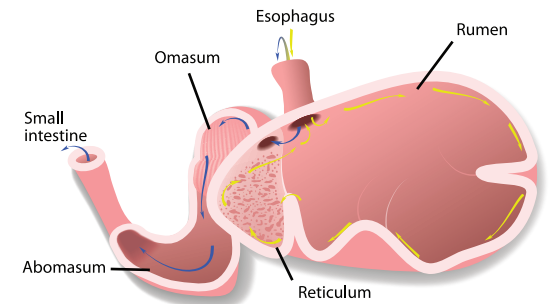
**Package:** 50 g x 10 pcs

**THIS IS NOT A MEDICINE, FEED PREMIX. NOT USED FOR TREATMENT.**

## Digestion Regulator

### Content:

Descriptive Numbers	Active substance	Additive name	Premix level (in 1 kg)	Units
<b>Trace minerals</b>				
E5	Mangan / Mangan	Manganese sulphate	4.500	mg
E1	Demir / Iron	Iron sulphate	7.500	mg
E6	Çinko / Zinc	Zinc sulphate	4.500	mg
E4	Bakır / Copper	Copper sulphate	3.000	mg
E3	Kobalt / Cobalt	Cobalt sulphate	22	mg
<b>Amino acids</b>				
3c309	Methionine	Coated methionine	40.000	mg
<b>Digestive Regulators</b>				
	Sacc. cerevisiae	Saccharomyces cerevisiae	≥1x10 <sup>7</sup>	CFU
<b>Emulsifiers</b>				
E420	Sorbitol	Sorbitol	56.000	mg
<b>Preservative</b>				
E282	Calcium propionate	Calcium propionate	400.000	mg
<b>Prevents clumping</b>				
E551b	Silica	Colloidal silica	30.000	mg
<b>Aromatic Companents</b>				
	Vanilla flavor	Vanilla flavor	1.000	mg
<b>Carriers</b>				
E170	Calcium carbonate	Calcium carbonate	16.83	%



Approval No: αTR-0600121  
Approval Date: 06/01/2014

# ZoeVit-K

## Bleeding Prevention Growth Factor



**Product that contains high concentration  
Vitamin A and blood coagulant Vit K3**

### Specifications

Reduces intestinal epithelial destruction which is caused by illnesses such as haemorrhage, coccidiosis and intestinal diseases for calves, lambs, kids, and winged animals and is used for supporting stress situation and body resistance. In cases of bleeding, vitamin K is involved in blood coagulation.

**Intended Use and Description:** 0,5 g product added to 2 L of drinking water, for poultry. Daily One tea spoon ( 4 g ) for 10 lambs or goat kids, daily One tea spoon ( 4 g ) for two calves, applied for 3-5 days.

**Warnings and adverse effects:** For safety, glasses, gloves, mask must be worn during use.

**Storage:** Keep in cool and dry places without sunshine.

**Shelf Life:** 24 months

**Package:** 50 g x 10 pcs

**THIS IS NOT A MEDICINE, FEED PREMIX. NOT USED FOR TREATMENT.**

### Content:

Descriptive Numbers	Active substance	Additive name	Premix level (in 1 kg)	Units
<b>Vitamins</b>				
3a672a	Vitamin A	Retinol acetate	20.000.000	IU
	Vitamin K3	Menodione sodium bisulfite	8.000	mg
<b>Antioxidants</b>				
	Antioxidant	Antioxidant (BHT)	5.000	mg
<b>Carriers</b>				
8.9.1	Maltodextrine	Maltodextrine	93.9	%



Approval No: αTR-0600121  
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# ZoeVit-ES

## Antioxidant Muscle Strengthening



**Product High in Vitamin E and Selenium  
for winged animals**

### Specifications:

It meets the needs of vitamins and minerals for livestock and poultry and is effective on growth, fertility, white muscle disease and stress.

**Intended Use and Description:** 5 g product added to 2 L of drinking water and applied for 5-7 days. 10 g for 40-50 Kg body weight for horse, caws, sheep and goat, at once. For calf, lambs and goat kids 5 g for 20 Kg body weight at once. Applied for 2-3 weeks intervvals.

**Warnings and Adverse Effects:** Should be used with caution in animals with sensitivity to Vit-E and Selenium.

**Storage Conditions:** It should be stored in a cool, dry place without sunlight.

**Shelf Life:** 24 months

**Package:** 50 g x 10 pcs

**THIS IS NOT A MEDICINE, FEED PREMIX. NOT USED FOR TREATMENT.**

### Content:

Descriptive Numbers	Active substance	Additive name	Premix level (in 1 kg)	Units
<b>Vitamins</b>				
3a700	Vitamin E	$\alpha$ takoferol acetate	30.000	mg
<b>Trace minerals</b>				
E8	Selenium	Sodium selenite	200	mg
<b>Carriers</b>				
8.9.1	Maltodextrine	Maltodextrine	93.56	%



Approval No:  $\alpha$ TR-0600121  
Approval Date: 06/01/2014

# Biocon-a

## Concentrated Powder Disinfectant



**Practical packaged product that provides full protection of surface and air disinfection**

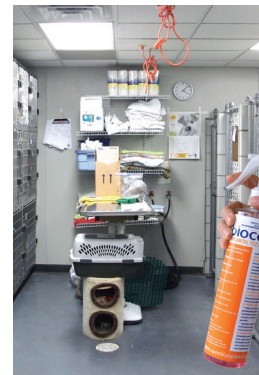
### Specifications:

- High and broad spectrum effect against all virus families, bacteria, mould, yeast, and fungi.
- It does not harm the mucous membrane and does not irritate the respiratory tract.
- Both cleans and disinfects.
- It does not harm human, animal and environmental health.
- There is no filling material in its formula.

**Uses and Applications:** With its practical package, on equipments, foot ponds, clinic, operation room, and general disinfection 1/100, Sceded, herpesvirus, water line 1/200, bird influenza, bird flu 1/280, Leptospirosis, listeria 1/300, dilution 300 ml solution spraying is applied to each m<sup>2</sup> surface area, 10 min contact is provided. Disinfection of the water line is prepared 1/200, it is given to the whole line, waited for one hour, then it is rinsed with clean water. Air spray is prepared 1/200, pressure spray device is used. For 100 m<sup>2</sup> area, 5 L solution is sufficient.

**Storage Conditions and Shelf Life:** 24 months from the date of manufacture.

**Commercial Presentation Form:** 5 g x 20 pcs, 50 g x 10 pcs



**Ingredients:** 50% Potassium peroxymonosulfate, as well as organic acids which produce a synergistic effect, surfactants and inorganic buffer systems.

# Environmental Health Products



# Alphi Granule



**For the control of houseflies, a residual effective granular biocide product and an fast effective product, which is used by painting in the calf dens-stall anchors and parlour areas**

## Intended Use

Contains 10 % Azetmethiphos and natural pheromone, it is a unique organophosphate group insecticide. It exhibits a high level of attractant-Knock-Down and Killing effect in all male and female house flies (*Musca domestica*) in the season when the weather is warm and hot and in all kinds of temperature conditions. It is very easy to prepare with granular formulation and high absorption ability. It is recommended to use in the following doses. It shows long residual activity for 5 weeks in application area. In terms of reactivating its effect, it is beneficial to spray only every two to three days spray with water.

## Application

ALPHI	100 g Product	250 g Product
Painting	100 ml water + 100 g Alphi	250 ml water + 250 g Alphi
For Cardboard Painting	32 ml water + 100 g Alphi	80 ml water + 250 g Alphi

**Storage Conditions and Shelf Life:** Store at +5 to +25 °C. Keep the packing cover tightly closed. Do not stack more than 2 bins. Do not expose to direct sunlight. Shelf life is 24 months from the date of manufacture.

**Commercial Presentation Form:** 100 g and 250 g original metal containers

## Housefly Granuler Insecticide



**EU REGISTERED BIOCIDAL PRODUCT  
CONTROLS HOUSEFLIES IN POULTRY FARMS**



**Contents:** Azamethiphos 10.0%



# Nora Pasta

## Rodenticide Ready To Use Product



### Biocide Paste product applied in Poultry Farms with bait station for the control of rodents

#### Intended Use

Nora Pasta should be put in places where rats and mice can easily reach it, for instance at places where their droppings are sighted, at places where there are tooth marks, in corners and along the walls and between the ceiling. Make sure the product is well placed so that the content doesn't fall out. Please don't leave any food where the mice and rat can feed on. Nora Pasta should be checked every 5-7 days, if there is a decrease it should be refilled. Spilled bait or filling must be destroyed/ disposed. If dead mouse or rat seen around, it should be collected with a glove. Afterward both should be burnt or buried. Nora Pasta should be placed in special stations where children and pets can't reach it, where it is away from rainy or moist weather conditions. The stations must be placed in such a way that mice and rats can't move it and can't spill the bait once they have entered. Bait station must be warned with a writing on stating "WARNING, RAT POISON". Rodents that eat Nora Pasta do not die immediately with difenacoum within and its second generation anticoagulant (Single Dose) effective characteristic and clotting inhibitor structure. Since the death occurs within 4-10 days, the other mice can not understand the cause of death. This allows the paste to retain its attractiveness by other rats. The intense cereal contained in it and the aroma odour, it carries a perfect charm for the mice. With strong content, it is enough for the mice to consume a small amount of Nora Pasta. For mice, this amount is determined to be 0.4 g per day. The consistency of Nora Pasta is more preferred by mice than by block or pellet-like food. Since it is liked by mice and is low on amount, it can be finished by mice at one time. It gives a bad taste (Bitrex) for animals other than mice and this prevents consuming with accident.

**Application:** In order to be able to be used for the purpose, it must be applied to the bait stations within garbages areas, food&feed stores, farming area, and so on. Use of gloves when pastes are placed at bait stations is an important detail to in order to prevent rodents to feel human smell.

In closed and open areas, place bait boxes on the transition routes of mice and rats. 9 pieces (90 g) should be put in the bait boxes of the mice every 3-5 meters. The amount of food required for mice to die is 0.4 g. 13 pieces (130 g) should be put in the bait boxes of the rat every 5-10 meters. The amount of food required for a rat to die is 9 g. Check feed traps frequently, especially within the first 10 days. Change feeds that are reduced and replaced in bait boxes with new ones. Continue this process until the feed starts to decrease.

**Storage Conditions and Shelf Life:** Keep original container, store in a dry and well ventilated stores at 25°C±2°C keep away from the reach of the children and from direct sunlight.

Shelf life 2 years, starting from the production date when stored in normal storage conditions.

**Commercial Presentation Form:** Available in 90 g – 250 g, 500 g, 5 Kg and 10 Kg original packages.



### PRODUCT RODENT CONTROL



**Contents:** Difenacoum 0,005 %, Bitrex 0,001 %  
Natural Food Pheromones (Sunflower-Wheat Flour-Fish Oil)

**Registered rodenticide Pasta Biocide Product in EU.**

# Maggots SG

## Housefly Soluble Granule IGR Larvicide



**For the control of housefly maggots,  
permanent effective granule biocidal  
product to be used in manure store  
fields, water deposits  
and dumps**

### Intended Use

The 2% Cyromazine in its content is effective in preventing the normal skin change during the third pupa period of housefly maggot. Since the pupa can not complete the change of skin, it will die before passing to the next stage. It shows residual activity for 3 weeks in application area. It can be used during the period when warm temperatures continue from the beginning of the warm season. There are 3 different usage forms for different environmental conditions with its soluble granular formulation. SG formulation is mixed easily with water and active ingredient is homogeneously.

**Dry Application:** This method should be preferred for applications in wet and garbage areas.

**Spraying:** This method should be preferred for applications in dry and haylofts.

**Irrigation:** This method should be preferred for applications in dry and dump areas.

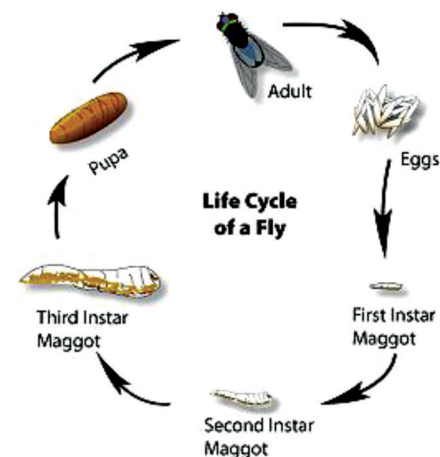
It is recommended to use in the following doses.

### Application

MAGGOTS	250 g Product (For 10m <sup>2</sup> area)
Dry Application	Spreading Style Application (250 g for Maggots 10 m <sup>2</sup> )
Spraying	4 L water + 250 g for Maggots 10 m <sup>2</sup>
Irrigation	10 L water + 250 g for Maggots 10 m <sup>2</sup>

**For Spraying and Irrigation:** The application is made according to the chart on the table on the side.

**MAGGOTS** granules are poured and, resulting solution is mixed well until the granule becomes homogeneous.



**Contents:** Cyromazine 2 %

**Registered IGR Larvicide Biocide Product in EU.**

### Storage conditions and shelf-life:

Store at +5 to +25 °C. Keep the packing cover tightly closed. Do not stack more than 2 bins. Do not expose to direct sunlight.

Shelf life is 24 months from the date of manufacture.

**Commercial Presentation Form:** Available in 500 g and 1-5 kg packages

# For life

## Protect The İntestines, Protect All Body



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