## ROYAL ILAC CATALOG











#### **COMPANY PROFILE**

Turkish-English Co-Investment Royal İlaç; established in September 15, 1995 with the purpose of producing high quality animal fodders, animal health care and safety products with scientific approach, well trained professional staff and advanced technological equipment by using know-how system. As Veterinarians and Agricultural Engineers of Royal İlaç, our main purposes are protect the animals without making them ill, supply their needs and get the highest efficency by no harm their welfare.

Royal İlaç which mainly produces chemistry, obtain the priciples of; from farm to table healthy fodders, animals, food, habitat and human successions.

Royal İlaç is a global animal health and nutrition company with operations in 70 countries; striving to produce complete solutions to veterinaries, farms and related industries. Also recognizes importance of bio-security protections due to increasing bacterial and viral diseases of food and animal health each passing day.

Royal İlaç, has entered the field by reflecting its credibility to the biosecurity products and the latest technological equipments available, most of them patented bio-security products with the cooperation of Dow Chemical has been a world leader in the chemical industry. Besides, represented the Masdisin and Dezinfex Series products to market for the required hygiene of farms, staff and enviromental cleaning.

The content of licking blocks are mainly salt and several minerals. Royal Ilac has been one of the leading company in its sector and has got its own missions which are:

- To demonstrate its activities by improving the sector and to be beneficial for the industry using its energetic, dynamic and creative approaches

- To produce in modern plant by using the latest technology in the sector it has also GMP quality certificate.

- To promise working with participated, competitive and well trained technical staffs

- Promise to be friendly with environment.

Royal products are well known in Turkey and it exports to 70 countries.

- Promise to be friendly with environment.

Royal products are well known in Turkey and it exports to the overseas, mainly Middle East, Far East, West European Countries and recently in Eastern Europe Countries.



#### MILKING PROCEDURE:

#### **1- Before milking:**

**Milker;** must wet his/her hands with water first, then fully foam or soap. Disinfect the boots and apron with **Dezinfex Doxi 351.** 

**Order of milking must be arranged:** Regardless of housing system or herd size, milk first calf heifers, fresh cows next and then the main herd. Milk sick cows last then wash and sanitize the milking system.

**Mastisis Check:** Make sure the milking equipments are ready and clean. Especially prepare Masdisin Teat

Foam teat cleaning foam, moist and dry towels that will use at milking.

**Foremilk Cows:** Allows to control of milk and udder. Must prepare a Milking protocol that all milkers can easily understand in farm. immediately after milking.

#### 2- During Milking

**Check Milking System:** Always check the vacuum level at the beginning of ach milking.

#### 3- After Milking (Very Important)

With the finish of the milking, very critical process starts in terms of mastisis. Because, teat holes remain open about 30 mins after milking. In this time, bacteries find a suitable environment to get in the udder.

Teat Dipping: After milking, sealing the teats with Masdisin Herbafilm disinfector very effective to prevent from udder infections.

Always feeding must be done after milking.

Aftermilking, Masdisin Herbafilm removes suitable environment for bacteries and purify microbes. Creates a Antideptic film on the teats and plug the teat hole for microbes. Masdisin Herbafilm lasts longer

and soften the udder skin.Clean and Disinfect milking system and all of the milking equipments

#### **MILKING SYSTEM CLEANING**

#### After every milking

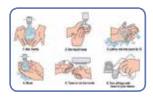
Prewashing of milking parts. (40-50°C ) 4-5 MİN

Main Washing with Alkaline chlorine cleaners (45-70°C) (Dzinfx 305,306,%0,5cold water ile 306%0,8 ) 7-12 m

Cold water rinse 4 dk

Acid Cleaning: According to the hardness of the used water, 1-3 times in a week system rinse, alkali rinse then washing with acid (Dezinfex DAcid 340) are essential to protect againist galactite and limestone. At least 5 mins • 10 mins with warm water (40 C – 45 C) Final rinse with cold water 4 min

• External cleaning of milking system: after milking, clean the milking clusters, pipes and external parts with **Dezinfex FALKA Ultra** 335 foam then put jetter on milking clusters and take off filters. Dezinfex 333, 335 OR 337



















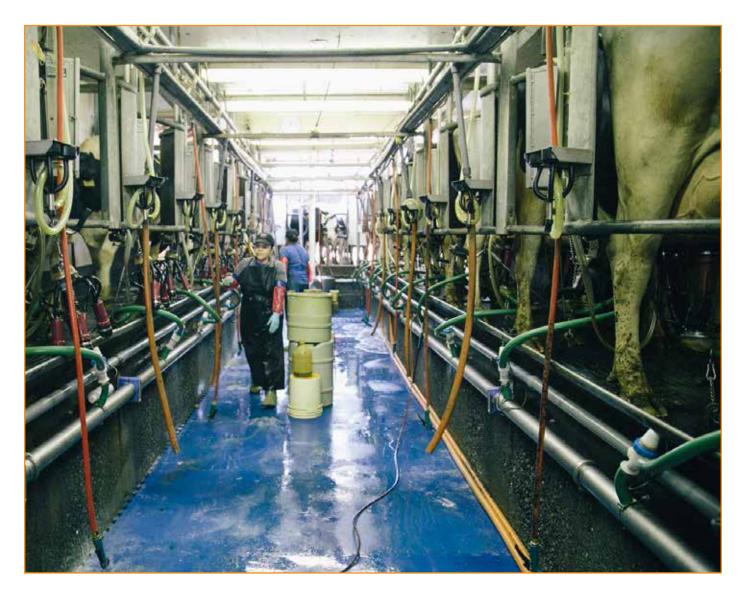
#### **DEZINFEX CLEANERS QUALITY SPECTS:**

✓ Wetting, (surfactant substances) that dislodging dirt, suspending water and alkaline substances which ensure contact with the dirt. Without surfactants (surface active agents) other materials cannot effect.
 ✓ Fat, protein, carbohydrates and other milk shredding residues: High alkalis feature

✓ That addresses water hardness materials (antiscalant): Agents that used in cleansing eliminate the influence of the hardness of the water Equipment surface protective agents: The substances that reduce the abrasion effect on the equipment surfaces. Agents which increase the agitation effect: substances that increase dirt removal effect

✓ **Substances that kill microbes (sanitation)** microbes causes mastitis and degradation of milk (chlorine, peroxide, and others)

✓ The agents that reduce foaming. The water used is good quality water. It has high detergency properties. Dezinfex alkaline chlorinated products have high chlorine level. Do not damage the surface of the milking equipment. Concentration of 0.5% in real terms is sufficient. (1-2% is used mostly in the market.





#### MILKING PARLOURS CLEANING (SYSTEM, TANK AND SURFACE)

**Dezinfex 303:** An alkali, chlorine and has low foam, specifically designed for cleaning CIP and Manuel Milking Systems. Usage Rate: %0,5

**Dezinfex CHLR 305:** An alkali, chlorine and has low foam, specifically designed for cleaning CIP and Manuel Milking Systems. Usage Rate: %0,5

**Dezinfec CHLR Plus 306:** An alkali, chlorine and has low foam, specifically designed for cleaning CIP and Manuel Milking Systems.suitable for cold water and hot water Usage Rate: %0,5 cold water %0,8

**Dezinfex ALKA 320 (Alüminyum):** An alkali based liquid detergent with low foam has no chlorine specifically designed for cleaning plastic and aluminium surfaces as well as Silicated CIP and Manuel Milkng systems.

**Dezinfex ALKA Plus 321 (Alüminyum uyumlu):** Intensive alkali based concentrated liquid detergent has low foam; suitable for cold water and hot water cleaning technics, no chlorine, specifically designed for cleaning CIP and Manuel.

**Dezinfex DAcid 340:** Phosphoric Acid based, low level foam detergent suitable for CIP and manuel milking systems

**Dezinfex Aciplex 96:** Phosphoric Acid and Nitric acid based, low level foam detergent suitable for CIP and manuel

**Dezinfex FALKA Ultra 335:** Intensive alkali based long cling foam concentrated liquid detergent for manuel cleaning of bulk tanks, milk silos, farm equipments, surfaces of milking clusters, pipes and other equipments. Usage Rate %1-4

**Dezinfex DCLR Plus 337:** An alkali based liquid detergent has high bubbling foam; suitable for cold water and hot water cleaning technics, includes chlorine, specifically designed for cleaning and hygiene the public areas, surfaces of integrated milking systems, milk tanks, milking clusters and equipments.Usage Rate %2-3

Dezinfex Facid 333: Phosphoric Acid based, highly concentrated long cling foam

detergent. Easily removes limescales, protein, mineral, water and salt residues from stainless surfaces and all equipments.













## **BIOSECURTY PRODUCTS**



**Dezinfex Doxi 351:** Powerfull disinfectant for cleaning and providing hygiene for shelters walls, ground and all open areas. Especially use as a dipping liquid in the last rinse water in the milking parlors. Also cleaning of the milking clusters just before putting on to another animal. Use safelyfor providing hygiene to all kind of milking parlor equipments, in the hoof and car' wheels pools.



**Dezinfex DLDT 371:** Public area detergent for cleaning and providing hygiene of diary farm walls, grounds and all kind of surfaces. Also called shelter area disenfectant. Gluteraldehit %15, Benzilkonyum klorür %10

**Dezinfex Benzil %20:** Public area detergent for cleaning and providing hygiene of diary farm walls, grounds and all kind of surfaces. Also called shelter area disenfectant. Benzilkonyum klorür %20



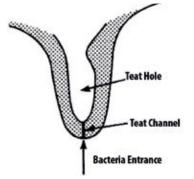
**Dezinfex Hoof Care:** Use as a hoof bath to Provide hygiene and cleaning for cattles, sheeps,goats and single hoofed animals. Creates a film on the hoof and protects the hoofs from outside sourced dirts, such as stools, urine and moisture.Usage and dosage: Add 200 gr of Dezinfex Hoof Care to 100 liter water and make the cattles, sheeps and goats walk over it.





TEAT AND UDDER CARE AND DISINFECTION PRODUCTS





#### DAIRY CATTLE INDUSTRY INVESTERS, FARMERS, EXECUTIVES; PLEASE SHARE YOUR 10 MINUTES TO READ THIS BROCHURE CAREFULLY.

We unfortunately see the milking from cow, stock and transportation done very carelessly. Especially milking is seen like an ordinary farm job and who does milking has lack of information about this subject.

Whereas, the future, economy and the health of your cows depends on milking hygiene. Who does milking must be trained and inspected, starting with washing hands, how to treat cows, what to carefully do in which phase and where to use which disinfectant.

What we see mostly is, these staff never be taught about these subjects. Otherwise, mastisis will be out of control in the herd, very expensive milking machines will broke and unfortunetly company will dissatisfy the owner.

Please especially pay attention to milkers training and inspection.

#### WHAT SHOULD WE DO IN WHICH STAGE OF MILKING?

**1- Before milking:** Milker; must wet his/her hands with water first, then fully foam with Dezinfex Hand Wash creamy hand soap and during 10 secs rub the nails and between fingers including top of hands. Then rinse with plenty of water and dry. Disinfect the boots and apron with Dezinfex Doxi 351.

Order of milking must be arranged: Regardless of housing system or herd size, milk first calf heifers, fresh cows next and then the main herd. Milk sick cows last then wash and sanitize the milking system.

**Mastisis Check:** Make sure the milking equipments are ready and clean. Especially prepare Masdisin Teat Foam teat cleaning foam, moist and dry towels that will use at milking.

Dip each teat with Masdisin Teat Foam to make sure teats are clean, moist and clean because they are very vulnarable to microbes.

After dipping into foam, dry the teats with dry towel or nepkin. Wet teats cause dislocation, slip or squeeze of milking clusters during milking process.

Foremilk Cows: Allows to control of milk and udder.

Must prepare a Milking protocol that all milkers can easily understand in farm.

**2- During Milking:** Check Milking System: Always check the vacuum level at the beginning of each milking. There should not be any leaks. Prevent any stress during milking that will effect milking process.

Before you swap milking clusters from one cow to other, make sure you disinfect them while dipping them all into disinfected water (Dezinfex Doxi 351).

Check the udders through end of milking process to make sure they are emptied properly. Prevent over milking. If the milking sysem is not automated, dont remove milking clusters while teats are under vacuuming.

**3- After Milking (Very Important):** With the finish of the milking, very critical process starts in terms of mastisis. Because, teat holes remain open about 30 mins after milking. In this time, bacteries find a suitable environment to get in the udder.

**Teat Dipping:** After milking, sealing the teats with Masdisin Herbafilm disinfector very effective to prevent from udder infections. Always feeding must be done after milking.

Aftermilking, Masdisin Herbafilm removes suitable environment for bacteries and purify microbes. Creates a Antideptic film on the teats and plug the teat hole for microbes. Masdisin Herbafilm lasts longer and soften the udder skin.

Clean and disinfect milking system and all of the milking equipments immediately after milking.

#### MASTITIS

Mastitis that called the udder invaded by bacteria and tissue of the udder inflamation.

Udder protection and prevent from Mastitis

To prevent from mastitis the rules premilking, postmilking and during milking must be followed



## **PREMILKING PRODUCTS**

#### **MASDISIN TEAT FOAM:**

Dragle of the udders especially teats is a very likely situation of the cows that lay on their udders especially on their teats on the turded base in the barns. Dirty teats are very likely to contaminated by harmful bacterias. These bacterias are able to infect milkers hands, milking clusters, non disposable drying towels and more importantly milk and teats. Especially the teat hole is very sensitive to entrance of the microbes, this part must be clean.



#### IOFOAM

The fact that cows lay on their udders on the grounds with their own stool is exposing teats to contamination. This pollution can cause mastitis as well as infectious diseases. It has been scientifically proven that Masdisin lofoam prevents this contamination before milking.

Masdisin lofoam is used in dairy cattle to wash and clean the udder before each milking, as well as to protect the natural nourishment of the udder and teats, contributes to the renewal and softening of the skin. This also allows the cow to lower the milk more easily and prevent the breasts from being damaged during milking.





## **POSTMILKING PRODUCTS**

#### **MASDISIN HERBAFILM**

## Why should we use post-milking disinfectant Masdisin Herbafilm?

Teat hole remains open up to 2 hours (average 30 minutes) after milking. In this

timeline bacterias can get in from open teat hole. First they corrupt the milk

then harm the tissues that synthesizes and excretes milk. Protection of udder skin integrity and lack of skin problems like crack skin, dry skin, also protects the udder itself.

The bacterias hiding in the skin cracks prowl for get in from teat canal.

The udder tissue destruction cause by bacterias entered into udder called Mastisis.

#### And Mastisis causes;

Results in lower milk efficency (even its healed before). Udder lobe with mastisis has lower milk efficency, Results in lower milk quality and lose of milk,

With hidden mastitis long term lower milk efficency,

Treatment expenses,

Spread of mastisis to other cows,

Annihilation of infected cows.

Usage of Masdisin Herbafilm 4 Seasons washes the residues of milk after milking and prevents the production of bacterias. Creates an antiseptic film top of the teat and prevents entering of the bacterias into udder. The recent researches shows that cleaning of the teats with only water or usage of not film–forming or non-mechanical dipping liquids are not enough protective againist mastisis. Because post– milking teat hole remains open and microbes enter in.







#### What are the benefits of using Masdisin Herbafilm?

#### Natural and fast acting LANA (Lactic acid, Natural activation) technology:

Masdisin Herbafilm has an acting LANA technology that entirely skin-friendly combination of one of the natural organic acid lactic acid (the one uses at cosmetic industry) and herbal ectracts. The LANA technology is a nature-identical skin protector acting mechanism.

In very short time eliminates the microbes and continue to protect udder till next milking. LANA technology has a wide influse mechanism on the microbes. Influence covers all the bacterias that cause mastisism.

Some of the bacterias that cause mastisism and unprotected againist Masdisin Herbafilm these are; Streptococcus Uberis, Staphylococcus Aureus, Escherichia Coli, Listeriamonocytogenes, Klebselliapneumoniae Pseudomonas Aeruginosa, Salmonella Typhimurium.

Dont forget that the Masdisin Herbafilm prevents exposure of new mastisis events but does not cure mastisis.

#### Creates a protective natural barrier film like onionskin on the teat:

Masdisin Herbafilm is an udder disinfectant that, creates a thin film on the teat with the protection of both mechanic and disinfectant ways.

The film formed by Masdisin Herbafilm which created from plants, dries in a short time and shrinks by 0.5% and squeezes the teat and helps to close teat hole. Herbal film has pores which help the skin to breath. Besides, with its strong disinfectant feature, prevents the bacterias get into udder especially from teat hole and protects the udder till next milking.

The film that it created on the teat is a protective lasts long barrier which dries fast, regular, smooth and characteristic of not hold any barn dirt on it. The film that





#### IOGUARD

What's the advantage of loguard compared to other teat dips?

PVP lodine based powerful effective disinfectant loguard is a product that protects the teat between two milking cycles by forming a thin film at the teat. The film making feature comes from herbal polymer technology. Polymers of plant origin allow deep breathing while protecting the nipple against mastitis agents that may come from the outside.

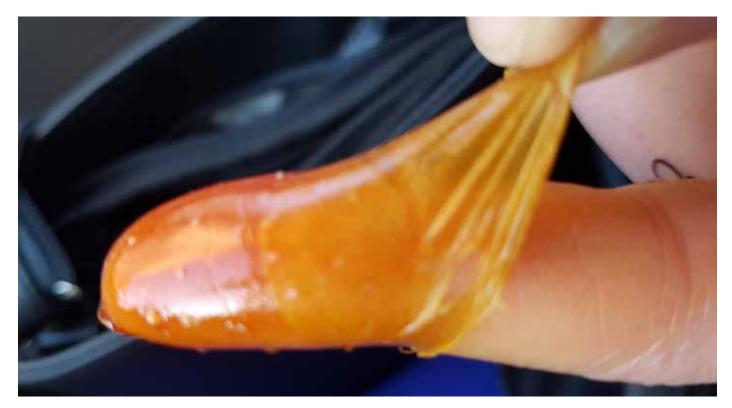
**Provides double protection at the teat (with film and antibacterial effect):** loguard is a breast disinfectant that produces a thin film at the teat and is double acting through both **disinfectant and mechanical protection.** Produced by using plants, loguard's created membrane (film) dries off in a short time and shrinks by 2% and it helps to close the teat hole immediately by squeezing the teat slightly. loguard has microscopic pores that allow deep breathing. The drying loguard film entraps iodine and gradually releases it until the next milking cycles to provide microbial protection.

**Teat tip softening and skin protective affect:** During lactation cycle; Frequent washing of the teat tip breaks the teat skin and the skin structure breaks down. Occasionally, due to proliferation of keratin (hyperkeratosis), skin thickening on the teat tip is reported. PVP lodine repairs cracks in the teat tip with skin repellent and dead tissue removal effect. lodine also shows epithelial protective properties. loguard contains a skin softener and substances with deep moisturizing cosmetic properties.

**Excellent wetting, high viscosity properties:** loguard's wetting is very good, covering the teat tip very well and reaching the smallest cracks and skin pores.

**Ready-to-use solution:** ready to use without any mixing with other substances, dilution or any pre-treatment.

**A product with minimal dripping and wastage:** loguard drops only 1-2 after immersion, these droplets are necessary for washing the teat tip. Easy visibility with red color.





#### **MASDISIN IOBAR:**

'Mastitis under control with 5500 ppm (%5,5) active iodine'

Fast acting post milking teat dip which kills bacterias and fungies that cause mastitis. with %5,5 active iodine .



#### **MASDISIN DRY - OFF**

Mas dasan Bry call Dry call **Introduction:** It's desirable to have one calf from each cow in stock farming. The researches that have been done show; milking 10 months and dry – off 2 months is the best way to get highest benefit from cows.

#### Why we should use Masdisin Dry - Off (drying off solution)?

In the drying off period, production of milk continues for a while after last milking. Produced milk swells the udder, increases internall pressure and increased internall pressure forces the teat hole from the inside out. This pressure is an important factor of open teat canal. Also delay the formation of keratin plug of the dried – off cow that, protects the udder, should be created in the teat canal. The teat canal has been remained open, leaves the udder unprotected to entrance of microbes. After dry – off process in 7 days – 8 days in the teat canal

there will be created a keratin structure and will protect the udder from outside impacts.

#### Features and Benefits of Masdisin Dry - Off:

Udder needs protection in this 7 days – 8 days drying – off period of teat canal remains open. A similar situation likely for the cows are with loose teats just before birth.

Masdisin Dry – Off seals the teat for 7 days – 8 days period with creating a thick waterproof film layer on the teat. Absolutely protects againist external impacts. Completely cuts off the relation of teat canal with external environment. Prevents leakage of milk from the udder.

Wherein 7 days - 8 days protection period is an exact with real meaning tests.

When teat dipped; shrinks by 0.3%, dry in short period, squeeze the teat a bit and this is efficient to closing up teat canal earlier.

Masdisin Dry – Off has a skin-friendly, skin breather polymer technology that protects from external impacts.

Masdisin Dry – Off never disturbs the cows; gives smooth feeling effect.

Masdisin Dry – Off appears on the udder. Masdisin Dry – Off is dark blue; easy to recognaise, protects the drying – off cows from milking accidentally.

Masdisin Dry – Off Method of Application:

Masdisin Dry – Off is a ready to use solution. Dip the teat about 10 secs into the special teat dipping container.





#### **MASDISIN MINT GOLD**

**Composition:** Mint scented, green colored cream that contains 35 grams of Japonese mint oil in 100 grams. **Pharmacological proporties:** Masdisin Mint Gold is a natural product that creates a relaxing effect in acute cases and improves blood circulation.

**Indication:** When applied to the teat by massaging, it creates a breeze sensatation that relieves the teat tissue. Thanks to its natural Japonese mint oil, it increases the blood circulation, helps the treatment of teat swelling and acute mastitis. Masdisin Mint Gold that contains natural and organic ingredients that help to soften and protect the teat tissue.

**Usage and dosage:** Approximately one spoon (10ml) of cream is applied to the teat by massaging after milking.

Interaction: Any kind of interaction with any other medicine is not reported.

**General warning:** Consult to a veterinarian if an unexpected syptom occurs. Keep it away from children.

**Special warnings to the operating veterinarian:** Avoid contact from the product by using gloves and wash your hands after using it.

Eyes should be washed in open state for couple of minutes in case of contact. Should consult to a doctor if necessary. If the operator inhales the product, he/she should leave for an open-air place and consult to a doctor. Generally, the product does not irritate the skin.

If the product is swallowed, the mouth should be rinsed and a doctor should be consulted.

**End-use disposal:** If the product spills over by accident, the spillage place should be cleaned by lots of water. The drainage of the water used for cleaning should be avoided.

Use water absorbent materials for cleaning. (diatomite, sawdust, sand)

Do not throw the empty packages to water resources.





#### The importance of animal feeding;

In order to achieve such high yields (meat, milk, fleece, power, etc.) from animals, nutritional and maintenance conditions as well as animal breeding methods need to be improved. An extra kilogram of mil, live weight gain or offspring yield requires more nutrients.

While nutrients are largely met with feed, the requirement for mineral matter is much higher in feed.

#### Why are trace minerals important for animals?

All living beings need mineral substances and vitamins in order to fulfill vital functions and maintain life.

The synthesis of hormones has to be found in the structure of some enzymes, because they control their functioning and therefore must be available in the daily diets.

When deficiencies of vitamins and minerals occur, the function of the organism is impaired, the systems become vulnerable to animal diseases, appetite diminishes growth and development deteriorates.

(White muscle disease with selenium deficiency, enzootic ataxia with copper deficiency, etc.)

Mineral and vitamin substances must be given to the animals in order to protect their health and to increase the necessary yield.

The importance of applying vitamins and minerals orally:

Scientific studies have proven that the most effective way of supplying vitamins and minerals to animals is via the oral route. In the digestive system, many minerals are digested by the body through amino acids, polysaccharides, and by osmosis. In short, body minerals are undergoing a preliminary process.

Functions of minerals and vitamins in the body and diseases that occur in their deficiency:		
Task in the body	Minerals & Vitamins	Diseases Caused by Deficiency
Enters the structure of the bone & teeth.	Calcium	Bone development deteriorates.
Forms bone tissue together with calcium. Found in soft tissues and body fluids.	Phosphorus	Bone growth deteriorates, appetite & yield decreases.
Provides conduction in the nerves, is necessary for enzymes and metabolism. Goes into the structure of bone tissue.	Magnesium	Meadow tetanus, weak bone texture and nervous symptoms can be seen.
Basal metabolism controls sexual function, it enters the thyroxine hormone structure.	lodine	The reproductive system is adversely affected, causes deaths and goiter in the womb.
Works in blood production and is involved in the transport of oxygen.	Iron	Anemia and loss of appetite occur.
Enters the structure of many enzymes. Also plays an active role in skin nail and reproductive system.	Zinc	Skin, hair (wool), and nail structure deteriorate. Reproduction is adversely affected.
Has an effect on muscle development.	Selenium	White muscle sickness, no dropping of afterbirth, lows, missing calve.
Provides the synthesis of vitamin B12, which is very important for digestion.	Cobalt	Low performance and impaired health, anemia, deterioration of ovarian function.
The enzyme is a building block. It works in all body tissues.	Copper	Anemia, diarrhea, developmental retardation, Paralytic birth of lambs, won't get in heat
Involved in the formation of bone tissue, en- zyme activation and reproductive system.	Mangan	Disorder in bone and muscles, fertility problems (no heat, no offspring, offspring, abnormal birth)
Necessary for blood and other body fluids. Appetite arrangements and release of saliva.	Sodium	Appetite diminishes, growth slows, milk yield drops
Provides the development and renewal of nerve, bone and skin tissue.	Vitamin – A	Visual disturbances, deterioration of skin quality, developmental retardation
Provides a healthy development of the skeletal system.	Vitamin - D	In the genes, the development of bone devel- opment (Rachitism), bone erosion in adults.
Protector of the vein wall, blood and other tissues.	Vitamin - E	Muscle development disruption, muscle destruction and liver disorders.



#### ROYAL FEED ADDITIVES / VITAMIN & MINERAL MIX / COMPLEMANTARY FEED



Our product capacity is 100 ton in a day to meet the requirements of concentrated feed additives for companies which make their own feed and buy ready feed.

This system which consists of micro dosing system and various mixer is being equipped with last technology.We can produce feed additives with the sensitiveness of 1 gr.







#### BICARMIX

#### "With yeast, biotin and bumper function"

Rumen bumper; Vitamin, Mineral and yeast mixture

Beef Cattle, Dairy Cattle, Calves & Lambs are all subject to the serious problem of rumen acidification due to consumption of concentrated feed.

Bicarmix; 80 grams/day/head, sodium bicarbonate formulated. Consisting entirely of sodium bicarbonate Bicarmix satisfies the vitamin and mineral needs of the animals.

#### **Benefits:**

Helps improve the rumen acidity and digestion. Prevents abdominal bloating caused by acidosis and increases sustenance. Enables animals to be healthier and more productive. Contributes to growth and development, meat and milk yield. Solves fertility and foot issues.

#### Contents (per KG):

Sodium bicarbonate 77,1% as filling pulp. Phosphorus, Calcium, Magnesium, Vitamin A: 1.200.000 IU, Vitamin D3: 240.000 IU, Vitamin E, Biotin, niacin, iodine, cobalt, selenium, live yeast and other nutritive elements. For complete composition please see product label.

#### Usage and dosage:

**Beef Cattle:** 60-80 grams/day. **Dairy Cattle:** 100 grams/day. **Calves:** 20 grams/day. **Beef yearlings:** 10 grams/day. **Lambs:** 2-5 grams/day. Incase the prescribed doses are to be fed, use 1 KG Bicarmix for 100 KG feed.

**Storage:** Keep in a cool, dry, light-free environment. **Packaging:** 25 kg craft bags or buckets.







#### EUROMIX, JUMBOMIX, MYVIT

## *Euromix, Jumbomix, Myvit is a combine feed additive. It is usage for beef cattle, calves, sheep and cows.*

Euromix, Jumbomix, Myvit contains yeast, biotin, vitamins, minerals.

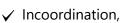
Euromix, Jumbomix, Myvit effects livstock :

- ✓ Increases feed efficiency.
- ✓ Increase resistance against metabolic diseases.
- ✓ Provides more meat and milk yield.
- ✓ Increases in milk fat concentration.
- ✓ Increases acceleration rate of development in young cattle
- ✓ Provide the healthy development of offspring of pregnant animals, post-natal reduces the probability of white muscle disease that may occur.

## Royal ilac feed additives in animals largely prevents the occurrence of these disorders.

## Mineral and vitamin deficiency in animals leads to the emergence of these disorders.

- ✓ Loss of appetite,
- ✓ Reduction in milk yield
- ✓ Bone growth to decline
- Hypocalcaemia (milk fever),
- ✓ Weight increase to slow down,
- ✓ Non feed object eating and licking events
- Reduction in the efficiency of fertilization,



- ✓ Weakness,
- ✓ Hypomagnesemia (tetany),
- ✓ Loss of quality of wool,
- ✓ Oestrus symptoms and delay reduction,
- ✓ White muscle disease in calves,
- $\checkmark$  Dead and weak calf births,
- ✓ Osteoporosis,
- ✓ Oxidized flavor in milk,
- ✓ Abortion rate rise.
- ✓ Anemia due to nutritional,

#### How to use:

Euromix, Jumbomix, Myvit are used mixing in the feed.

1 kg Euromix, Jumbomix, Myvit will be enough for 100 kg mixed feed. If salt mixing in the feed then, participants should be reduced by half the amount of salt. Salt deficiency can be treat by using Royal ilac licking blocks.

#### **Presentation :**

1 kg paper bags5 kg and 10 kg paper bags or plastic buckets25 kg plastic buckets.Feed Additives are on pallet and covered with plastic film.



lumbomi





#### ROVITOX

An upper segment feed additive with Vitamins, Minerals and Toxin-Binder.

It produces about 300 known fungus types of harmful mycotoxins, mainly Aspergillus, Fusarium, Penicillium and Alternaria. The best known of these toxins are aflatoxins and ochratoxins.

Recent scientific studies have shown that the mycotoxin effect cannot be treated; but it can be protected from mycotoxins by inhibiting yeast production in the feed and blocking mycotoxin absorption in the digestive system.

**Contents:** High level of Clinoptilolite:%79,5, Calcium, Phosphorus, Magnesium, Vitamin A: 1.000.000 IU Vitamin D3: 200.000 IU Vitamin E: 200mg, Niacin, all minerals, iron, copper, iodine, cobalt, selenium and other nutrients. For complete composition please see product label.

#### **Benefits:**

- ✓ Manufactured with Kilinoptilolite filler material
- ✓ Effective aflatoxin binder
- ✓ Its highly porous structure absorbs mycotoxins and is effective in reducing stink odors
- ✓ Binds free radicals
- ✓ Fecal excavated complexes are formed
- ✓ With buffered Organic acids: Kills existing yeast in the feed
- ✓ Effective in regulation of digestion
- ✓ Prevents colonization of harmful bacteria
- $\checkmark$  Contributes to the healthy functioning of the intestinal system
- ✓ Besides its liver protective effect, it contributes to development
- ✓ Doesn't harm the absorption of useful vitamins, minerals and other nutritive elements
- ✓ It's fluent, doesn't clutter
- ✓ Digestion with yeast addition contributes to increased utilization of feed
- ✓ Addition of vitamins and minerals strengthen the immune system and aromas improve appetite
- Increases animal resistance against metabolic diseases
- ✓ Contributes to the acceleration of development, increases carcass yield

✓ Provides healthy development of offspring in pregnant animals and reduces possible postpartum problems, effective in delivering healthy offspring

#### Usage:

Add 1kg additive to 100kg feed. Dairy Cattle: 100-120 grams. Beef Cattle: 80-100 grams. Yeanlings: 20-30 grams. Calves: 10-20 grams







#### **ROYVIMIN D**

*Royvimin D Forte is a special formulation for dairy cows.* 

#### **Royvimin D Forte effects in your cows:**

- ✓ Increases feed efficiency.
- ✓ Increase resistance against metabolic diseases.
- ✓ Provides more meat and milk yield.
- ✓ Increases in milk fat concentration.
- ✓ Increases acceleration rate of development in young cattle
- ✓ Provide the healthy development of offspring of

pregnant animals, post-natal reduces the probability of white muscle disease that may occur.

**Composition mg/kg:** Vitamin A : 1.300.000 IU, Vitamin D3: 260.000 IU, Vitamin E, B vitamins, Niacin, Biotin, high level manganese : 6.569 mg/kg, Zinc: 6.122,22 mg/kg Iron, selenium, Iodine, Magnesium, Calcium, Phosphorous, saccaramyces live yeast and other nutritional values. For complete composition please see product label.

#### Royal ilac feed additives in animals largely prevents the occurrence of these disorders. Mineral and vitamin deficiency in animals leads to the emergence of these disorders.

- ✓ Loss of appetite,
- ✓ Reduction in milk yield
- ✓ Bone growth to decline
- Hypocalcaemia (milk fever),
- ✓ Weight increase to slow down,
- ✓ Non feed object eating and licking events
- ✓ Reduction in the efficiency of fertilization,
- ✓ Incoordination,
- ✓ Weakness,
- ✓ Hypomagnesemia (tetany),
- ✓ Loss of quality of wool,
- ✓ Oestrus symptoms and delay reduction,
- ✓ White muscle disease in calves,
- ✓ Dead and weak calf births,
- ✓ Osteoporosis,
- ✓ Oxidized flavor in milk,
- ✓ Abortion rate rise.
- ✓ Anemia due to nutritional,

#### How to use:

Royvimin D forte are used mixing in the feed.

1 kg Royvimin D Forte will be enough for 100 kg mixed feed. If salt mixing in the feed then, participants should be reduced by half the amount of salt. Salt deficiency can be treat by using Royal ilac licking blocks.

#### **Presentation:**

1 kg paper bags5 kg and 10 kg paper bags or plastic buckets25 kg plastic buckets.Feed Additives are on pallet and covered with plastic film.



# Royvimin-B Forte

#### **ROYVIMIN B**

#### Royvimin B Forte is formulated for beef cattle, calves, sheep and cows.

#### **Royvimin D Forte effects livstock :**

- ✓ Increases feed efficiency.
- ✓ Increase resistance against metabolic diseases.
- ✓ Provides more meat and milk yield.
- ✓ Increases in milk fat concentration.
- ✓ Increases acceleration rate of development in young cattle
- Provide the healthy development of offspring of pregnant animals, post-natal reduces the probability of
   white muscle disease that may occur.

**Composition mg/kg:** Vitamin A: 1.200.000 IU, Vitamin D3: 240.000 IU, Vitamin E, B vitamins, Niacin, Biotin, Manganese, Iron, selenium, Iodine, Magnesium, Calcium, Phosphorous, saccaramyces live yeast and other nutritional values. For complete composition please see product label.

#### Royal ilac feed additives in animals largely prevents the occurrence of these disorders. Mineral and vitamin deficiency in animals leads to the emergence of these disorders.

- ✓ Loss of appetite,
- ✓ Reduction in milk yield
- $\checkmark$  Bone growth to decline
- ✓ Hypocalcaemia (milk fever),
- ✓ Weight increase to slow down,
- $\checkmark$  Non feed object eating and licking events
- ✓ Reduction in the efficiency of fertilization,
- ✓ Incoordination,
- ✓ Weakness,
- ✓ Hypomagnesemia (tetany),
- ✓ Loss of quality of wool,
- ✓ Oestrus symptoms and delay reduction,
- ✓ White muscle disease in calves,
- ✓ Dead and weak calf births,
- ✓ Osteoporosis,
- ✓ Oxidized flavor in milk,
- ✓ Abortion rate rise.
- ✓ Anemia due to nutritional,

#### How to use:

Royvimin B forte are used mixing in the feed.

1 kg Royvimin B Forte will be enough for 100 kg mixed feed. If salt mixing in the feed then, participants should be reduced by half the amount of salt. Salt deficiency can be treat by using Royal ilac licking blocks.

#### **Presentation:**

1 kg paper bags5 kg and 10 kg paper bags or plastic buckets25 kg plastic buckets.Feed Additives are on pallet and covered with plastic film.





#### FARM PROFESSIONAL

Yeast and sodium bicarbonate filler vitamin, with mineral and organic minerals, high density feed premix.

A high-density complementary mineral feed with yeast and sodium bicarbonate filler for professional businesses or businesses that make their own bait.

#### **Contents:**

High ratio Calcium: 9,6% and Phosphorus 3,2%, Sodium Bicarbonate: 30,1%, Magnesium, , Vitamin A: 2.600.000 IU Vitamin D3: 520.000 IU Vitamin E: 1.000 mg B complex vitamins, Niacin, all minerals, iron, copper, iodine, cobalt, selenium and

other nutrients. For complete composition please see product label.

#### **Benefits:**

- ✓ The addition of Sodium bicarbonate with chronic acidosis has a buffering affect
- ✓ Digestion with yeast addition contributes to increased utilization of feed
- ✓ With vitamins and minerals it strengthens the immune system and improves appetite with aromas
- $\checkmark$  It increases the resistance of the animal against metabolic diseases.
- ✓ Provides more meat and milk yield in animals
- contributes to the acceleration of the development and increases the carcass yield
- ✓ Provides healthy development of the offspring in pregnant animals and reduces the possible problems after birth and is effective in giving healthy offspring
- Contributes to easy fertilization when heat is indicated in dairy cattle Postpartum cohort can be easily discarded and reduced in other postpartum problems

#### Usage and dosage:

Cattle: 50grams/day.

Calves & sheep: 5-10grams.

#### Yeanlings: 2-3grams.

If you want to feed the mineral-feed with the daily ration, use 0,5 kg (0,5%) for every 100kg of feed. Keep cool (max: 25 C) protected from frost and light.

#### Package: 25kg craft bags





LICKING BLOCKS

#### LICKING BLOCKS: A SELF SERVING & EASY WAY TO SUPPLY ANIMALS WITH MINERALS



With the self-serving method of licking blocks, animals are able to cover their own demand. The animal licks as much as it needs.

Animals with Mineral, Vitamin, and Salt deficiency; appetite & yield decreases, health deteriorates, growth & development slows, reproduction is badly affected. In the case of progressive vitamin and mineral deficiencies, foreign items eating and licking habits arise.

#### WHY ROYAL LOOKING BLOCKS SHOULD BE PREFERRED?

Royal Licking Blocks are produced with the highest quality of raw materials.

The bioavailability of minerals used is extremely high. The salt used in the blocks is crystallized vacuum salt. Royal licking blocks are produced specifically for the needs of all animal species. Its rich Mineral and Vitamin content meets the animals daily salt and mineral needs.

The regular usage strengthens the immune system, yield and quality of meat, milk and wool increases.





#### MINERAL BLOCK

#### Royal licking stone, cornerstone of animal breeding.



Provides mineral and salt for all breeds of animals in all of the stages of their lives. Mineral and salt deficiency can cause, a loss of appetite, depressed growth, low lactate levels and complexities with fertility as well as create a weak immune system making the animal more vurivible to disease. Livestock that uses "MINERAL BLOCK" regularly will not consume non-feed substances such as soil, stone, bone, plastic bags, cloth etc.

Incorporating mineral block into your animals diet daily can prevent diarrhoea and other symptoms caused by taking these substances.

#### Advice on use:

Allow one blocks for every 5 cattle, 20 sheep or goats so that each animal can easily gain access to a block.

Optimise the animals' licking of MINERAL BLOCK by making sure that they have a permanent supply of water and that no other type of block is distributed at the same time

## **Renew the supply of MINERAL BLOCK according to consumption requirements:** 50 gr a day per cattle, 15 gr per sheep

Consumption may be higher for a short time among animals with a nutrional deficiency but their intake will then stabilize rapidly.



#### **Presentation:**

3 and 5 kg cylindirical block with central hole, plastic sleeve film and a handle
3 kg x 8 blocks in a cartoon box
5 kg x 4 blocks in a cartoon box
10 kg cubic block with a central hole
10 kg x 2 blocks in a cartoon box
20 kg Cubic Block with a central hole. It is wrapped with shirink film.





#### **SELCO BLOCK**

SELCO BLOCK has been developed especially to supply the requirement of growing animals and adult sheep. It contains high level of vitamin D, calcium and phosphor that helps in bone development and prevents from rashitism. It also contains selenium and vitamin E that helps muscular development and prevents from white muscular decease. Due to high level of Zinc, SELCO BLOCK prevents the congestion in intestines caused

by one lamb eating other lamb's wool that could results in death. Livestock that uses "SELCO BLOCK" regularly will not consume non-feed substances such as soil, stone, bone, plastic bags, cloth etc.

#### Advice on use:

Allow one blocks for every, 20 sheep or goats so that each animal can easily gain access to a block. Optimise the animals' licking of SELCO BLOCK

by making sure that they have a permanent supply of water and that no other type of block is distributed at the same time

**Renew the supply of SELCO BLOCK according to consumption requirements:** sheep or goats 7 gr / day Consumption may be higher for a short time among animals with a nutrional deficiency but their intake will then stabilize rapidly.

#### **Presentation:**

3 and 5 kg cylindirical block with central hole, plastic sleeve film and a handle

- 3 kg x 8 blocks in a cartoon box
- 5 kg x 4 blocks in a cartoon box
- 10 kg cubic block with a central hole
- 10 kg x 2 blocks in a cartoon box







#### **CALPHOS BLOCK**



CALPHOS BLOCK has been developed especially for the needs of pregnant and lactating animals. It's high levels of calcium, makes the CALPHOS BLOCK ideal for young developing animals as well. The product's high levels of calcium, phosphorus, manganese, cobalt, iodine and vitamin A, D, E prevent hypocalcaemia, osteomalasia, anoestrus, and fertility problems. Livestock that uses "CALPHOS BLOCK" regularly will not consume nonfeed substances such as soil, stone, bone, plastic bags, cloth etc.

#### Advice on use:

Allow one blocks for every 5 cattle, 10 calves so that each animal can easily gain access to a block. Optimise the animals' licking of CALPHOS BLOCK by making sure that they have a permanent supply of water and that no other type of block is distributed at the same time

**Renew the supply of CALPHOS BLOCK according to consumption requirements:** 70 gr a day per cow, 20 gr per calf

Consumption may be higher for a short time among animals with a nutrional deficiency but their intake will then stabilize rapidly.

#### **Presentation:**

3 and 5 kg cylindirical block with central hole, plastic sleeve film and a handle
3 kg x 8 blocks in a cartoon box
5 kg x 4 blocks in a cartoon box
10 kg cubic block with a central hole
10 kg x 2 blocks in a cartoon box





#### **EXPERT BLOCK**

Formulated especially for beef cattle to supply the required levels of salt and minerals needed to increase mass of their beef. It contains sulphur and ammonium chloride that prevents secondary tympani and urolithiasis. Livestock that uses Expert Block regularly will not consume non-feed substances such as soil, stone, bone, plastic bags, cloth etc.

**Advice on use:** Allow one blocks for every, 5 beef cattle or 20 sheep so that each animal can easily gain access to a block.

Optimise the animals' licking of EXPERT BLOCK by making sure that they have a permanent supply of water and that no other type of block is distributed at the same time

**Renew the supply of EXPERT BLOCK according to consumption requirements:** beef cattle, 40 gr/day sheep or goats 5 gr / day Consumption may be higher for a short time among animals with a nutrional deficiency but their intake will then stabilize rapidly.

#### **Presentation:**

3 and 5 kg cylindirical block with central hole, plastic sleeve film and a handle
3 kg x 8 blocks in a cartoon box
5 kg x 4 blocks in a cartoon box
10 kg cubic block with a central hole
10 kg x 2 blocks in a cartoon box



LICKING BLOCKS



#### **IODE BLOCK**



Contains a balance mineral combination as well as a high organic iodine. Iodine is being used to heal head, neck and tongue (wood tongue) aktinobasilloz and bone tissue aktinomikozun. IODE BLOCK has been formulated to provide iodine that heals these types of diseases. Use of IODE BLOCK is the best way for animals to meet their iodine requirements. IODE BLOCK has a balance mineral combination that not only helps for growth and development of animals but also prevents animals to consume

non-feed substances such as soil, stone, bone, plastic bags, cloth etc.

#### Advice on use:

Allow one blocks for every, 5 cattle or 20 sheep so that each animal can easily gain access to a block. Optimise the animals' licking of IODE BLOCK by making sure that they have a permanent supply of water and that no other type of block is distributed at the same time

**Renew the supply of IODE BLOCK according to consumption requirements:** cattle, 40 gr/day sheep or goats 5 gr / day Consumption may be higher for a short time among animals with a nutrional deficiency but their intake will then stabilize rapidly.

#### **Presentation:**

3 and 5 kg cylindirical block with central hole, plastic sleeve film and a handle
3 kg x 8 blocks in a cartoon box
5 kg x 4 blocks in a cartoon box
10 kg cubic block with a central hole
10 kg x 2 blocks in a cartoon box







#### **HYPERMAG BLOCK**

Contain a very high level of magnesium (%10) in addition to a full range of minerals and trace elements. This valuable source of additional magnesium is especially useful in helping to protect against grass staggers when stock is turned out onto lush pastures in the spring and again in the Magnesium, prevents Laminitis in Horses. They are ideally suited to dairy cows, Horses sheep and goats.

#### Advice on use:

Provide HYPERMAG BLOCK throughout the year in a self-service format. Optimise the animals' licking of HYPERMAG BLOCK by making sure that they have a permanent supply of the water and that no other type of block is distributed at the same time.

#### Renew the supply of HYPERMAG BLOCK according to consumption

**requirements:** wich vary considerably depending on animals' needs. Consumption may be higher for a

short time among animals with a nutrional deficiency but their intake will then stabilize rapidly.

#### **Presentation:**

10 kg cubic block with a central hole 10 kg x 2 blocks in a cartoon box









#### **PURE SALT BLOCK**

Salt, or sodium chloride, is essential to animal life.

Salt contains roughly 40% sodium and 60% chloride. These two elements are the main cation and anion of extra cellular liquids. They ensure intercellular exchange and distribution of water throughout the organism. Salt combines the roles of sodium and chlorine. It acts as a nutrient and ensures temperature regulation in the body. It is also a condiment that encourages appetite in animals, acting on salivation, rumunation an

digestion. It regulates the consumption of water and dry matter, thus promoting growth and milk production.

Self-service in the form of o salt block is a pretical, simple and effective solution.

Salt is the only food (along with water) for which animals have a specific appetite, which means that they are capable of adaptig their consumption to their needs. There is therefore no risk of waste, under-feeding or loss because the salt is provided in a solid form.

Because the requirement for salt is a permanent one, PURE SALT BLOCK should be distributed for self-service in a sufficient number throughout the year, whether the animals are in stalls or out to pasture

#### **Composition:**

Sodium chloride: 100%, i.e. 40% sodium

#### Advice on use:

Make available on a continuous self-service basis: one block for every 5 to 10 cattle or 20 sheep or goats.

Put out only one type of block at a time

Optimise consumption by ensuring a regular water supply.

**Renew the supply accoring to consumption requirements:** around 40g/d/ for cattle and 5g/d/



sheep or goats, bearing in mind that this may be temporarily higher for animals nat used to blocks or suffering from a deficiency in salts and minerals.

#### **Presentation:**

10 kg cubic block with a central hole 10 kg x 2 blocks in a cartoon box



#### **PIG MAG BLOCK**

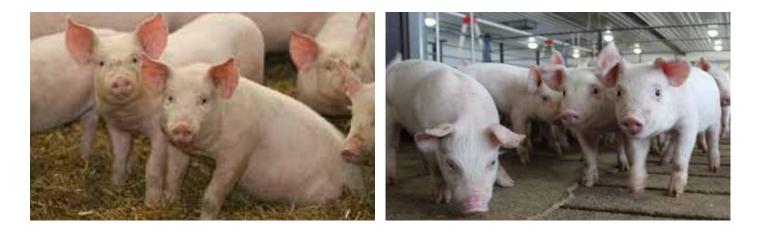
Specially designed for Pigs. Pig Mag Blocks contains minerals and trace elements in addition to high level of Magnesium. Magnesium is one of main ingredient in pig nutrition.

**Magnesium:** This mineral is also found in bone but its main role is in the composition of many of the enzymes in the body. Most feed ingredients contain sufficient magnesium and it is not normally necessary to supplement the diet. Reported signs of deficiency include an abnormal gait as a result of lack of enzymes in the nervous system, incoordination and weak knees and hock joints with loss of tendon tension. Calcined magnesite is added to rations in excess diarrhoea may be caused

**Pork Quality:** Using dietary magnesium supplementation has been found to improve pork quality, specifically, color and fluid loss. Furthermore, magnesium supplementation has been reported to reduce oxidation of meat during storage. However, the presence or consistency of the positive effect has been questioned, even when plasma magnesium was increased 10 percent.

**Composition:** High level of magnesium (5%), Calicum, Sodium, Manganese, Cobalt, Zinc, Copper, Iron, Selenium and Iodine Please see product label for complete composition.

#### Packaging: 10 kg







#### BICARBLOCK



30% Sodium Bicarbonate and live yeast Complementary Mineral Feed

#### **Purpose of Use:**

Acidosis is a big problem for high productive animals that fed with protein and carbon hydrate. BicarBlock has tampon effect against rumen acidity. Bicarblock contains high level of live yeast which effects digestive system and tampon effects on digestive system.

#### **Composition:**

Sodium Bicarbonate: %30, yeast, Manganese, Cobalt and others... complete composition see label.

#### Usage and dosage:

Free choice

#### WARNINGS AND PRECAUTIONS:

It is only for the use of animals.



#### FLY REPELLENT BLOCK

**Purpose of use:** Fly Control block is produced using a formula that repels flies whilst providing vitamins and minerals to animals. Formulated to repel flies, very effective in increasing appetite with the help of natural aromas including Allicin and Ajoene which are garlic extracts.

#### Usage and dosage:

Free choice

#### WARNINGS AND PRECAUTIONS:

It is only for the use of animals.

Consumption might be high in first 2 weeks but then it will back to normal. The colour changes of product do not effect quality of the product.

**Storage:** Keep in dry and cool stores.



#### FUNCTIONAL LICKING BLOCKS



#### **SUPERSULPHUR %5** 'Rumen functions will revive'

Sulphur is an element that increases rumen function in ruminants substantially. It's known to contribute in nitrogen metabolism in the rumen and contributes significantly for healthy fleece on sheep. As Sulphur is an element found in amino-acids, it also helps in protein metabolism.

**Usage and dosage:** Free choice

#### WARNINGS AND PRECAUTIONS:

It is only for the use of animals.

**Consumption** might be high in first 2 weeks but will drop back to normal. Colour changes of product do not affect quality of the product. Always keep fresh water within reach of animals.

Storage: Keep in dry and cool stores.



#### **SUPERPHOS %10**

#### **Purpose of Use:**

Phosphor is for all animals; healthy muscle, bone development, steady digestion, healthy function of the energy metabolism and is an inevitable macro mineral for reproduction. Lack of Phosphor will cause the body to use up phosphor reserve in bone tissues as compensation however if it isn't replenished in a short period, issues will arise in all bodily functions and will cause the animals to eat objects with no nutritional value.

**Usage and dosage:** Free choice

#### WARNINGS AND PRECAUTIONS:

It is only for the use of animals.

**Consumption** might be high in first 2 weeks but then it will back to normal. The colour changes of product do not effect quality of the product.

**Storage:** Keep in dry and cool stores.





## Molasses content of Vitamolix<sup>®</sup> is a high energy and rich vitamin and mineral licking bucket that has been also added extra protein and fat to increase nutritional value

#### Vitamolix<sup>®</sup> Technologies

Low moisture and consists of only nutritional ingredient: Vitamolix<sup>®</sup> has a long production process which includes mixing vitamins, minerals, organic minerals, protein, molasses and hydrolyzed vegetable oil. Important: All ingredients are nourishing and beneficial to animals. Vitamolix<sup>®</sup> does not contain any artificial

additives, preservatives or any other chemical materials such as binders, hardeners or filling agents. Vitamolix<sup>®</sup> is consumed in control by animals due to its hardness, strong texture and vitreous appearance.

It's weather resistant. Therefore, it cannot be broken or destroyed by wind, rain, snow etc.

#### **Content of Vitamolix®**

High energy and nutrient contents: from molasses, vegetable oil and proteins. Vitamolix<sup>®</sup> provides energy to animals as well as increases their dry feed intake. This way animals get more benefit from the dry feed due to increase in number and activity of rumen micro flora (around 15%)

#### High Bio-available protein:

Very low (around 25-30%) raw ash rate: Vitamolix<sup>®</sup> contains only 25% raw ash which comes from minerals. Therefore, all other ingredients are digestible and organic materials.

**Warning:** There are some products in the market, with raw ash amount of up to 60-70% just like concrete. Please be aware of this.

#### Contents of Vitamin, mineral and chelated mineral (organic mineral)





#### **Effects of Vitamolix®:**

**Rich Nutrient Content:** Vitamolix<sup>®</sup> is a supportive nutritional supplement. It's improving digestion of feeds and increasing the benefit of feed intake due to more rumen flora.

**Significant increase in rumen micro flora (good, friendly bacteria):** Nourishing and tasty Vitamolix<sup>®</sup> increases the number and activity of rumen micro flora by 15%. This increase has a positive effect on digestion by 25%.

**Protecting rumen's PH:** (balances with stomach acid): Vitamolix<sup>®</sup> is produced at pH 7.5 to prevent sub acuteacidosis which can cause low yield (Rumen pH is 6.5)

Increases saliva production: Saliva in animals improve digestion.

**Increases feed consumption and capacity of digestion:** Tasty Vitamolix<sup>®</sup> improves animals appetite and leads to better use of feeds they're consuming.

Increases meat and milk production significantly by 12% and supports growth in young animals.



LICKING BUCKETS



#### **Consumption of Vitamolix®**

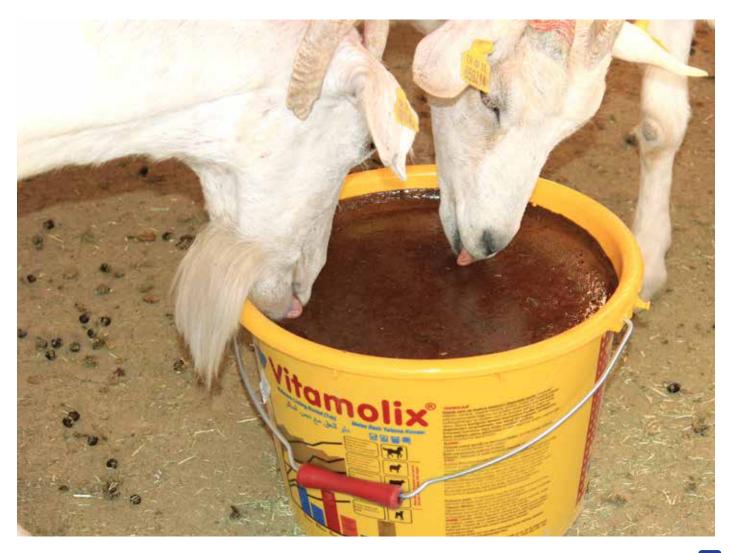
**Unique Taste:** Vitamolix<sup>®</sup> is very tasty with 45-50% sugar content. Animal saliva softens the surface by 0.5mm to make it's very hard surface lickable. Therefore, Vitamolix cannot be over consumed. **Continuity:** Vitamolix<sup>®</sup> can be left in front of the animals at all times (24/7). They only lick the amount they need.

- ✓ Consumption in control due to its hardness.
- ✓ Weather resistant due to its hardness, strong texture and vitreous surface.
- ✓ Cannot be beaten or chewed or wasted.

Advice on Use: Allow 1 bucket for every 10 cattle or 40 sheep for free access.

**Consumption:** Vitamolix<sup>®</sup> cannot be beaten, chewed or over consumed because of its hardness. Daily consumption of Vitamolix<sup>®</sup> is 100-150gr for cattle's and horses, 20-50gr for ponies and calves and 10-20gr for sheep.

**Warning:** Consumption of Vitamolix<sup>®</sup> varies depending on the condition of the animals, quality and quantity of forages being fed, seasonal weather conditions, quality of water. Vitamolix<sup>®</sup> supplement can be over consumed in the first 1-2 weeks. However, it will settle down within 2 weeks.







#### **VITAMOLIX RUMINANT**

**Vitamolix**<sup>®</sup> **Ruminant:** ideal formulation for ruminants. Vitamolix<sup>®</sup> is used by animals to meet their energy, vitamin, mineral and protein requirements.

#### **VITAMOLIX MENTHOL**

**Vitamolix Methollu:** is used by growing animals to improve breathing. Also fully developed animals who are having problem with breathing can use Vitamolix to improve breathing and to get extra energy.

#### **VITAMOLIX SUMMER**

Summer season with high magnesium



#### VITAMOLIX SHEEP & GOAT

**Vitamolix**<sup>®</sup> **Sheep&Goat:** is a high-energy licking bucket produced by the purification and crystallization of sugar beet molasses and subsequent addition of vitamins, minerals and protein.



#### VITAMOLIX FLY CONTROL

**Vitamolix® Fly Control:** is fortified with magnesium to meet animals needs in spring and summer season. It also contains garlic powder to improve animal's appetite. It protects animal especially in spring time from grass tetany due to its high magnesium content. All sort of flies

(fly,bees, animal flies) can cause irritation and stress to animals. This will lead to reduction in meat and milk production.

#### **VITAMOLIX DRY SEASON**



Produced specially for cows in dry-cycle; the calcium - phosphorus ratio is 1:1, enriched manganese and selenium trace minerals to enhance fertilization, besides ADE it's supported by other vitamin groups, a high energy licking bucket.

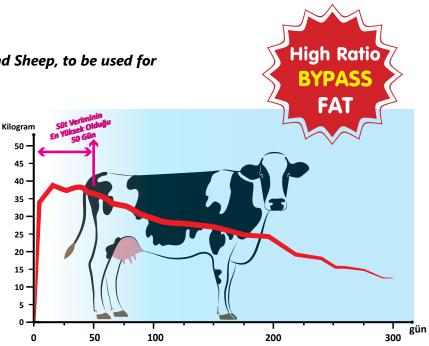
LICKING BUCKETS



#### **VITAMOLIX PEAK 50**

*High Energy Licking Bucket for Cows and Sheep, to be used for 50 Days After Birth* 

**Purpose of Use:** The first 50 days after birth highly critical for cows. On one side it's their highest milk yield period, on the other their recovery and preparation for the next pregnancy period. In connection to the high milk yield, their energy demand is extremely high. If this energy requirement is not met especially ketosis, decrease in milk yield, mastitis (udder inflammation) and metritis (uterine inflammation) cases are inevitable. As a result of this, fertility issues will arise.



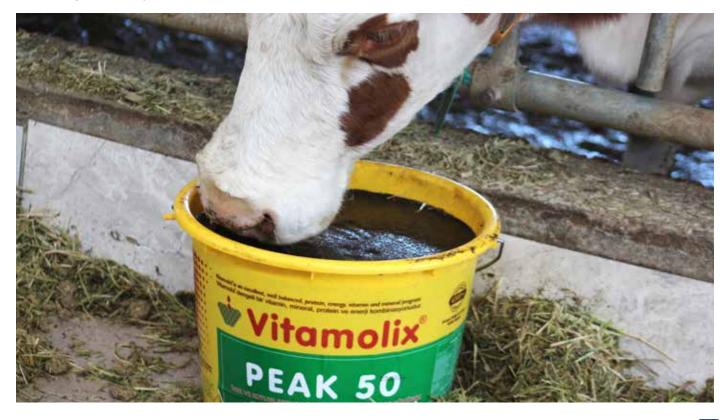
Vitamolix is a highly valuable mineral, vitamin and energy licking bucket.

Vitamolix Peak 50 compared to Vitamolix has additionally high ratio bypass fat. Compared to normal chemical hardened licking blocks, it contains 30% more energy.

#### When to use Vitamolix Peak 50:

Highly recommended for the first 50 days after birth. However, it can be used at any time of the year when energy needs are high and cannot be met.

**Usage:** Vitamolix Peak 50 simply should be opened and put freely in front of the animal. Consumption can be high in the 1st week, but within 1-2 weeks it will return to the normal value of 150-200 grams / day.





#### **RAMBOLIX** Licking Bucket / Complementary mineral feed

#### "More stable texture, less consumption, high level of Vitamins and Minerals"

Rambolix licking buckets have an original production process in which vitamins, minerals and energizing molasses are mixed together and poured into the buckets and hardened. Because the pressure and heat are not used in this way, the vitamins are more stable and can incorporate to a richer mineral content. Rambolix is harder than other buckets, has a lower consumption level, low molasses level and can be more durable in outdoor weather conditions.







#### **RAMBOLIX Standart**

**Composition each kg:** Calcium: 15 %, Phosphorus: 3,10 %, Magnesium: 4,05 %, Vitamin E: 1.000 mg, Vitamin A, Vitamin D3, Manganese: 3.100 mg, Zinc: 4.200 mg, Cobalt, Copper, Selenium, Iodine and other nutritional values... Please see label for complete composition.

**Feeding Instruction:** Leave one Rambolix licking bucket free for mostly to 10 cattle, 25 sheep or goats. Consumption is between 100-150 grams / a day/ per head for Cattle,small head and 25 grams /a day / Per head for Ovines.



**Consumption** may be somewhat higher up to the first week If consumption does not return to normal after 1 week, it is recommended to control the ration energy and mineral level.

**Storage:** Store in cool, dry place out of direct sunlight in its original container.

Colour changes of the product does not effect the quality and content of product. **Packaging:** 20 kg

#### **RAMBOLIX SHEEP**

### High quality vitamins and high ratio B group vitamins containing licking bucket for the needs of Sheep, Lambs, Rams, Goats and Kids.

Suitable for all classes of sheep pre tupping, pre lambing and post lambing.

Suitable for lambs at pasture with essential minerals, trace elements and vitamins to support health, growth, milk and fleece quality. High level of B vitamins and especially increased levels of Vitamin B12 and B1, to support performance with added Zinc to promote healthy feet.

**Contents:** Contains high ratios of zinc, selenium, B group vitamins, calcium, phosphorus, magnesium. For complete composition please see product label.

LICKING BUCKETS 🧹



#### **RAMBOLIX FATTENING**

## Rambolix Fattening has been specially formulated for the needs of fattening animals. Suitable for Beef yearling, Beef cattle and all other animals raised for meat purposes. Contains vitamins and minerals for rapid weight gain.

✓ Provides controlled consumption with low molasses content and is designed for fattening animals to easily receive vitamins and minerals all day long.

Strengthens the immune system of fattening animals and helps them stay healthier.

- ✓ Cannot be chewed nor bitten, has a hard solid structure due to its technology and it's not affected by hot weather.
- ✓ Stimulates rumen bacteria because of the easy energy availability and revives rumen bacteria. Increase feed digestibility.

Allows easy vitamins, minerals and energy supply in pasture conditions.

#### **RAMBOLIX FERTILATOR**

#### A licking bucket formulated to with the aim of preparing animals coming into reproducing age to be in heat on time, be fertile without issues, be healthy and reproduce healthy calves.

When to use: To support the reproduction, it should be given after birth until it's impregnation is verified. It can also be used at any time when reproduction problems are seen or suspected.

#### **RAMBOLIX MAG**

#### Appetizing complementary licking bucket with high ratio of magnesium and other minerals. Purpose of use:

Magnesium; for all living beings, magnesium is essential for the proper function of the nerves, enzymes and the development of bone structure.

#### **RAMBOLIX PRECALVING**

## Complementary licking bucked with rich vitamin E and minerals suited for the needs of pregnant cows and sheep before giving birth.

- ✓ Pre-calving Mineral bucket lick to be fed to cows 12 weeks before calving, to help promote and support:
- $\checkmark$  The birth of healthy calves
- ✓ The production of good quality Colostrum for the calf
- ✓ The reduction of calving problems
- ✓ The reduction of metabolic disease at calving in particular clinical and subclinical hypocalcaemia
- ✓ A good base level of trace elements in the cows and sheep system. To help support the cow with milk production after calving and improve fertility. Recommended maximum feeding rate of 150g per cow per day.

**Contents:** High ratio vitamin, mineral, calcium, phosphorus and magnesium combined in a delicious molasses. For complete composition please see product label.





#### **BIOTIN HOOF FORMULA**

Complementary feed efficient to hoof health with included mineral, vitamin and Biotin

**Purpose of Use:** Animal nail health is an issue that affects yield and reproduction directly. Wet shelter environment, hard floors, Rumen acidosis resulting from high energy diet and inadequate intake of vitamins, minerals are preparatory to factors such as nail disorders .

Biotin Hoof Formula, Besides giving 20 mg per day to animal, it has positive effects on nails with included Vitamin A D E, Organic Zinc, Copper and Methionine.

**Composition for each kg:** Biotin: 200 mg, Vitamin A: 1.500.000 IU, Vitamin D: 300.000 IU, Zinc: 6.000 mg, Copper, amino acids, mollases and other nutritional values.... Complate composition please see label.

#### **Benefits:**

- ✓ Giving 20 mg of Biotin per day has positive effect on the nail quality is scientifically proven.
- ✓ While Methionine working together with the biotin, maintains the quality of the nail and strengthens the structure of the nail.
- ✓ In case of Zinc deficiency, nails, skin and feather structure affected badly is a known issue. Zinc contributes to the growth and development besides of nail growth and development. Biotin Hoof Formula has organic
- Zinc which is highly effective in removing the zinc deficiency.
   In addition to all positive benefits of Vitamin A D E on the tissues, also has a positive effect on the formation of keratin on the nai.

#### Usage and dosage:

Can be used in any period that occurs nail problems. Especially in the fall before winter and summer, use of at least one month is recommended.

Bovine and cows: 100 grams / day Fattening calves: 70-80 grams / day Sheep and goats: 30-40 grams / day

Physical appearance: Pellet form

Storage: Keep in a cool and dry place away from direct sun light.





#### **E STRONG**

#### High combination of Vitamin E, Selenium, Zinc and Manganese.

**Purpose Of Use:** Vitamin E is amongst the best known antioxidants. The heavy metals in cells are protective against free redikal and strengthens the immune system.

Vitamin E and selenium are in constant correlation. Its impact on breeding animals and reproductive health are well known. Deficiency of Selenium Vitamin E, Zinc and Manganese on Cows, Sheep, Lambs and Goats, causes many health problems.

From the beginning of these are; white muscle disease in lambs , mastitis, metritis , and discharging of end.

**Composition for each kg:** Vitamin E: 10.000 mg, Manganese: 8.200 mg, Zinc: 9.350 mg, Selenium: 200 mg, sodium and other nutritional values. Complete composition please see label.

**Benefits:** Vitamin E , Selenium, Zinc and manganese mixture provides the following benefits on animals are considered scientifically.

- Its contribution to infertility,
- ✓ The contribution to the hold the featus in uterus in pregnancy, helps the pregnant cows and ewes prevent
   ✓ from abortion.
  - Prevent from retentio secundinarium,
- $\checkmark$  The contribution to the foot health,
- ✓ Protection from mastitis,
- ✓ Prevents sheeps and baby goats from the white muscle disease,
- $\checkmark$  Strengthens the body's immune system and increases the disease resistance of animals.

### ✓✓<

Dairy cows: Preceding month and next month of the birth, once every two months during the lactation period and the month prior to insemination. While the animals immune system seems to be weak, in case of infertility or in the case of abortion of any month.

**Sheep and goats:** Immediately prior to birth month and next month, once every two months during the milking and insemination. While the animals immune system seems to be weak, in case of infertility or in the case of abortion of any month.

In dairy cows: 60 to 100 grams / day for 5-10 days

In sheep and goats: 4-5 grams / day for a period of 5-10 days, in lamb and goat 1-2 grams / day for a period of 5-10 days.

#### Physical appearance: Pellet form

Storage: Keep in a cool and dry place away from direct sun light.



#### FUNCTIONAL NUTRITIONALN FEEDSTUFF



#### **HEPATICA 33**

#### Purpose of Use:

The liver is a very sensitive organ because of the eliminating toxins which has a very important role in digestion of fat and protein.Clinical researches prove that certain substances such as B vitamins as well as other vitamins, certain amino acids, trace elements,choline chloride, betaine, B-carotene have liver protective affect and increase maintanence of parenchyma. Hepatice 33 produced from 33 kinds of vitamins, minerals, a mixture of nutrients and protective substances.

#### Benefits

- ✓ Shows a high level of liver-protecting property with active ingredients. When used regularly, protects the animals against liver coma.
- ✓ Its a good level toxin binder, so lightens the burden of the liver and contributes the reconstruction of liver.
- ✓ It strengthens the immune system of animals with high-valent contains vitamins and minerals, contribute to the efficiency of milk and meat, progeny and especially plays an active role in reinforcing cows to showing the anger.

**Composition for each kg:** Vitamin A: 10.000.000 IU, Vitamin D: 2.000.000 IU, Vitamin E: 8.000 mg. B complex vitamins, B1, B2, B3, B6, B7, Vitamin C, Minerals, Iron, Copper, Iodine, Cobalt, Selenium, high level of Calcium, Phosphorous, amino acids, Betain, Cholin Clorid, Beta Caroten, and others... Totally 33 kind of vitamin, mineral ve nutritional values. Please see label for complete composition.

#### Usage and Dosage:

**Dairy Cattle:** 1 just before giving a birth and 1 after birth, 1 in 2 months through lactation period and 1 before insemination month. Can be given to animal in any month if you see the animal seems down. 100-120 grams / day for a period of 4-5 days, in the mentioned periods.

Beef Cattle: In the 3rd or 4th month after the feeding for fatling starts.

#### 70-80 grams / day for a period of 4-5 days, in the mentioned periods.

Sheeps and Goats: Same as dairy cattle,

100-120 grams / day for a period of 4-5 days, in the mentioned periods. Net Weight: 1kg and 10 kg

#### Physical appearance: Pellet form

Storage: Store in a cool, dry place out of direct sunlight in its original container.





#### **ROTOX T2** *Toxin binder, Acidifier, Emulsifier, Growth Promoter.*

**Purpose of Use:** 300 known species of fungi produce harmful mycotoxins . The most well known of these mycotoxins are aflatoxin and Ochratoxin. These mycotoxins, weaken the nervous system, poison tissues and weakens the body's immune system the decrease the feed intake also cause reproductive problems and a lot of damage.

#### **Benefits:**

- ✓ Recent scientific studies show mycotoxin effect of treatment cannot be healed but can stop yeast production and mycotoxin absorption in feed so can be prevented from mycotoxins.
- ✓ Thats why Rotox T2;
- ✓ Produced with Sodium calcium aluminosilicate filler , an effective aflatoxin linker.
- ✓ Absorbs mycotoxins with high porous structure, is effective in decreasing odor in the barns .
- ✓ With buffered organic acids: it kills the yeast present in the feed.
- ✓ Mannan oligosaccharides contributes to the improvement of health and the body's immune system.
- ✓ Prevents colonization by harmful bacteria.
- $\checkmark$  Contributes to the smooth functioning of the intestines system.
- ✓ Contributes to the development of liver and has protective effect.
- ✓ Does not damage absorption of useful vitamins, minerals and other nutritional elements.
- ✓ Is smooth, it does not make cloding.

**Usage:** As protective 0,5 -2kg / 1 ton. In cases of Mycotoxins suspicion Rotox T2 can be increase too.

**Storage conditions:** Store in cool , dry place away from direct sunlight. **Packaging:** 25 kg kraft bag





#### **ROVITA FRESH**

#### Pass the sensitive period without stress Energy, Calcium, Magnesium, Potassium, Vitamin Mineral

**Purpose of use:** A pregnant cow during pregnancy as well as after birth when starting to give milk, consumes all her calcium, phosphorus, magnesium and energy reserves. Diseases that arise in case of failure to replace exhausted reserves are mainly:

- ✓ Birth paralysis (hypocalcemia, infantile milk)
- ✓ Ketosis (Energy metabolism disorder)
- ✓ Fat cow syndrome (fat cow disease)
- ✓ Unable to finalize
- ✓ No fertilization
- ✓ Cellulose insufficiency / acidosis / abdominal distension
- ✓ Laminitis
- $\checkmark$  Relocation of the abomasum

#### Usage and dosage:

Shake product well before use. Using the original container, via the swallowing reflex apply product by drench. **Application:** 

- 1. After the first signs of birth
- 2. At birth

3. 12 hours after birth, afterwards 1 or if necessary 2 bottles (one bottle contains 500 ml)

For sheep and goats, the dose should be set at 50-100 ml at the indicated times.

Contents: Vitamin E: 500 mg / kg, Niacin: 12,000 mg / kg. Selenium (Sodium selenite 45%): 15 mg / kg, Magnesium: 0,9%. Calcium, Potassium, Propylene Glycol and others. . For more information please refer to the label.

#### **Benefits:**

Potassium is effective in replacing the lost electrolyte balance.

Fast absorbed calcium content is effective in maintaining serum calcium levels. Phosphorus with calcium strengthens bone structure.

- ✓ Application of propylene glycol is a precaution against ketosis. Energizes the animal.
- ✓ Magnesium: There is a wide range of benefits from energy production to solid bone formation, active use of calcium, nervous system and muscle activation.
- ✓ Vitamin E, Niacin, and selenium: Are effective in preventing mastitis and metritis cases from occurring after
- ✓ birth. They take an active role in the recovery of the uterus in a short time. They are affective in showing early signs of heat and ease fertilization.
- ✓ Strengthen the defense system of the animals and contribute to milk yield.

#### **Caution and Warning:**

Ønly for animal use.

Before use make sure the animal is calm and you have control over the animal. Use in the original container and shake well before use.

Prolonged usage and/or high doses can cause Rumen acidosis.

Not to be used on animals without the swallowing reflex.

#### Packaging: 500 ml, 5 lt, 20 lt

**Storage:** Keep in a cool, dry, light-free environment. Do not freeze the product.



DRENCHES





#### **KETOZIP**

**Purpose of use:** Lactating dairy cattle have increased energy demand, as they need to produce large quantities of milk. During early lactation, cattle are at increased risk of developing ketosis, as increased milk production means a high-energy demand. To cope with the required increase in energy, cows use the fat stored in tissue around the body as an energy source. Using fat for energy can fill the liver with ketone bodies, a condition known as ketosis.

Ketone is an ideal source of energy for cows during times when energy demand may be high (e.g. early lactation) and prevents fat from being used as an energy source. Ketone

helps to reduce the build up of ketone bodies that may already be present in the liver of an energy deficient cow suffering from ketosis. Rovita Ketozip includes Niacin and B Complex Vitamins which activate energy metabolism.

#### USAGE and DOSAGE:

Shake before use. Use with swallowing reflex by inserting the original bottle in the animal's throat.

- 1. First sign of calving
- 2. At birth
- 3. After 12 hours from birth 1 bottles
- 4. After 24 hours from birth 1-2 bottles (one bottle is 500 ml)

In sheep and goats, 50-60 ml 12 hours after the birth.

**Composition:** Propylene Glycol: % 71,5, Glycerol %28, Vitamin B12, Vitamin B6, Niacin and other.. Please see label for complete composition.

#### **Benefits:**

In cows and sheep negative energy balance cause a lot of problems such as metabolic disease Ketosis.

- ✓ Rovita Ketozip effective activating energy metabolism and giving energy to animal
- ✓ Propylene glycol includes glycerol and niacin and other B Complex vitamins
- ✓ Easy to use, fast and effective.

#### WARNINGS AND PRECAUTIONS:

It is only for the use of animals. Make sure animal keeps still before use. Shake the bottle before use in its original container.

Do not use on animals who has no swallowing reflex.

Packing: 500 ml, 5 lt and 20 lt

**Storage:** Store room temperature. Do not freeze the product.







#### CALCI PLUS Energy, Vitamin

**Purpose of use:** Animals loses calcium during pregnancy, also with milk production; this cause birth paralyses, disabilities and other diseases. Rovita Calci-Plus help calcium level to back normal with included quick and late absorbable calcium. Magnesium and Vitamin D3; help calcium absorption and usage.

#### Usage and dosage:

Shake before use. Put in throat of animal and make sure animal drinks it with swallowing reflex in its original bottle.

#### **Application:**

- **1.** With the sign of pregnancy
- **2.** During giving birth

**3.** 12 hours After birth 1 bottle or in necessary conditions 2 bottles (a bottle is 500 ml For goats and lambs during indicated periods 50-100 ml.

#### **Composition:**

Vitamin D3 50.000 IU/kg, Calcium Propionate, Calcium Chloride (total 11% of the amount of elemental calcium) glycerol 28%, Magnesium and others.. Please see label for complete composition.

#### **Benefits:**

Included slow and fast absorbable calcium is effective in maintaining serum calcium levels. Magnesium and Vitamin D3; help calcium absorption and usage.



#### WARNINGSANDPRECAUTIONS:

It is only for the use of animals. Make sure animal stand still before use. Shake before use in its original bottle.

Don't use on animals longer than usual period and unnecessarily high dosage.Don't give animals who has no swallowing reflex.

Packing: 500 ml, 5 lt, 20 lt.

**Storage:** Keep in room temperature. Do not freeze

DRENCHES





#### PHOSPHORUS

**Purpose of use:** Since phosphorus is an important mineral in the protection of mineral balance of the body, deficiency causes many illnesses such as bedridden disease, decreased appetite and foreign object eating.

Rovita Phosphorus contains calcium and phosphorus in a balanced way.

**Usage and Dosage:** Shake product well before use. Using the original container, via the swallowing reflex apply product by drench.

#### **Application:**

1. 4-5 hours after birth and/or with calcium treatment with 12 hour intervals 3-4 times

**2.** Many of the birth paralytic cases become bedridden syndromes. For this reason, with hypogalemia treatment or normal appetite loss, or in cases of foreign items consumption and licking, it's advised to apply 1 bottle in the morning and 1 in the evening for 5-6 days.

**3.** In order to eliminate fertility problems, 2 bottles are given in the morning and evening 2-3 weeks before seeding.

For sheep and goats, the above doses are 30-50 ml.

**Contents:** Calcium: 11.0%, Phosphorus 9.0% and others. For more information please refer to the label.

#### **Benefits:**

Effective in eliminating the need for phosphorus in cows and sheep. In addition to calcium treatment, phosphorus can be used. Bedridden disease, loss of appetite, tendency to eat foreign items can be eliminated with phosphorus supplement.

#### Caution and Warning:

Only for animal use.

Before use make sure the animal is calm and you have control over the animal. Use in the original container and shake well before use.

Prolonged usage and/or high doses can cause Rumen acidosis.

Not to be used on animals without the swallowing reflex.

Packaging: 500 ml, 5 lt, 20 lt

**Storage:** Keep at room temperature. Do not freeze the product.





#### **RUMEN FLORA**

**Purpose of use:** To stimulate rumen function in case of rumen indigestions, loss of appetite, ruminal atony, acidosis and alike rumen dysfunctions. Supplies animals with glucoplast energy.

#### **Benefits:**

- ✓ Reduces the risk of rumen acidosis
- ✓ Increases rumen activity
- ✓ Repairs rumen flora
- ✓ Prevents swelling

**Contents:** for each 500 ml. Vitamin B1 40 mg, Vitamin B2 150 mg. Vitamin B6 100 mg, Vitamin B12, Cobalt, Copper, Zinc, Calcium Carbonate, Sodium propionate and others. For more information please refer to the label.

#### Usage and dosage:

Shake product well before use. Using the original container, via the swallowing reflex apply product by drench. Cattle: 2 bottles in between 12 hours.

Sheep & Goats: half a bottle in between 12 hours.

#### **Caution and Warning:**

Only for animal use.

Before use make sure the animal is calm and you have control over the animal. Use in the original container and shake well before use.

Prolonged usage and/or high doses can cause Rumen acidosis.

Not to be used on animals without the swallowing reflex.



DRENCHES





#### TWIN LAMB

Imbalances in energy metabolism during the last period of pregnancy in sheep or at birth; cause a disease known as pregnancy poisoning (twin lamb disease). Disease coordination disorder, tooth creaking, loss of appetite and often death within 2-10 days. Pregnancy poisoning is often seen in good sheep carrying twin lambs.

RovitaTwinLamb; produced to supply Sheep and Goats during their last period of pregnancy with the needed energy and some vitamins.

**Purpose of use:** Due to the high demand of calcium, potassium, magnesium, vitamin and energy in post natal sheep, the deficiency can cause milk fever, ketosis, hypomagnesaemia, and other developing metabolic diseases.

**Contents for each liter:** Vitamin A: 800,000 IU / It, Vitamin D3; 500,000 IU / It, Vitamin B12, Vitamin B6, Niacin, Propylene Glycol: 71.5% Glycerol 28%. and others. For more information please refer to the label.

#### Usage and dosage:

Shake product well before use. Using the original container, via the swallowing reflex apply product by drench.

**Application:** Used in sheep to protect against pregnancy poisoning and to support its treatment.

- 1. In sheep, during last period of pregnancy, apply 50cc in between 6 hours for 3 days
- 2. During and after birth, apply in between 6 hours

#### **Caution and Warning:**

Only for animal use. Not to be used on animals without the swallowing reflex.

**Storage:** Store at room temperature. Do not Freeze the product.







#### PANTONIC

Complementary Liquid containing high ratio of pantothenic acid (Vitamin B5), basic amino acids, some electrolytes, vitamins of groups B and A, D, E, K and immune system developing nucleotides.

#### Purpose of use:

- Concentrated Pantonic due high distillation technology, easily soluble in water, no sediment building at the bottom
- ✓ Doesn't cause oil phase and water phase separation. Doesn't clog drippers.
- ✓ Biofilm isn't formed in used cups. Animals consume with apetite.

✓ Pantonicenhances appetite and utilization of feed, supports the digestive systems flora and supports the immune system.

✓ Contributes to growth and development in young animals (Calves, Lambs, foals, camels and chickens)

- It's scientifically proven that nucleotides in Pantonic, obtained by enzymatic hydrolysis from RNA, enhances the immune system that accelerates RNA and DNA synthesis on animals, increases resistance to bacterial infections and contributes to the development of the digestive tract.
- ✓ Nucleotides accelerates bowel recovery after diarrhea or food insufficiency, increases growth rate.
- ✓ Pantonic with nucleotides; prevents liver fattening, contributes to the development of efficiency, eliminates nutritional imbalances in pregnancy and puerperium.
- ✓ Contributes to growth and yield increase in cattle.
- ✓ Electrolytes, vitamins A, D, E, K and all vitamins of group B, Vitamin B5 and nucleotides improve the growth potential of all types of poultry and turkeys. It supports the immune system in stress, dietary changes and disease states. Pantonic Nucleotide reduces mortality level and supports egg yield.
- ✓ Has a positive effect on horse performance and appetite.
- ✓ For bees, suffering weakness in their colony, using Pantonic in spring and summer months can support and strengthen the colony.
- ✓ Pantonic is a very easy solution to use. Its unique odor comes from its vitamins. It is easily soluble with the drinking water of animals.

**Benefits of use:** Concentrated with high distillation technology, Pantonic doesn't createa liquid phase. Easily soluble in drinking water. Doesn't form biofilm in cups it has been used in. Easy oral use with high effect. Has the advantage of avoiding injection stress and its side effects.

**Contents:** Vitamin A: 3.000.000 IU, Vitamin D3: 640.000 IU, Vitamin E: 4.050 mg, Pantotenic acid: 16.500 mg, Vitamin B1, Vitamin B2, Vitamin B6, Vitamin B8, Vitamin B12, Vitamin K3, Vitamin C, Biotin, Cholin Cloride, Nucleotide, Amino acids and other nutritional values. For more information please refer to the label.

**Usage and dosage:** Indicated doses can be given with feed and/or drinking water. Continue treatment for 4-5 days.

Beef & Dairy Cattle, Camels, Horses: 50 ml/head/day.

**Calves, Foals, Sheep, Goats (live weight 50 Kg):** 5 ml/head/day. **Lambs, yeanlings:** 3ml/head/day, **Chickens, Turkeys:** 1-2 lt in 1 ton of drinking water for 5 days

**Chicks, Pullets:** 2-3 It in 1 ton of drinking water for 5 days. **Bees:** To support bees during diarrhea and

weakening, add 100 ml to 100 lt of sugary syrup and apply for at least 5 days. The doses above can be

doubled and starched to 10 days of treatment under the supervision of a veterinarian or an animal nutrition

expert. **In general:** 1-2 It of Pantonic to 1 ton of drinking water. Indicated doses should be applied to drinkable amounts and given for 4-5 days a month.



Packaging: 1 lt, 5 lt







#### ROMITA VITAMIN E SELENIUM + Zm

#### Complementary feed consisting of vitamin E, Selenium and Zinc

- $\checkmark$  Vitamin E ,Selenium and Zinc work together to neutralize free radicals and are
- known to support the immune system with antioxidant properties.
   Used in poultry with the goal of increasing carcass quality, fertility, utilization
- ✓ of feed, and preserving muscle integrity.
   Recommended in cases of egg and hatching yield loss in layers.
- ✓ Reduces the risk of muscular dystrophy in the digestive system.
- ✓ Used with the purpose of preventing rickets in turkeys.
- ✓ Post-vaccination use contributes to the strengthening of the immune system.

#### When to use:

- ✓ Fertility disorders
- ✓ Selenium and vitamin E deficiencies
- ✓ Gastrointestinal muscular dystrophy
- ✓ White muscle disease
- ✓ Protecting the cardiovascular system
- ✓ Suspicious infections

**Usage and dosage:** Can be mixed with animal feed and drinking water as well as drenched orally in specified doses.



#### **PHOS-FORM**

## Highly biologically evaluable Liquid supplements with phosphorus, minerals and amino acids.

**Purpose of Use:** Phosphor deficiency besides other minerals on animals causes animals to eat and lick non-food objects, slow of muscle, bone development, decrease milk, meat, egg yield. It causes birth paralysis on fresh cow and sheep.

Phos-Form contains methionine, lysine, amino acids, phosphorus and trace minerals in a balanced manner. Phosphorus deficiency on poultry causes growth retardation and egg production to decrease. Phos-Form can be used safely for wings.

#### Advantages of use:

- ✓ Easy to oral use and more impact: It offers the advantage of avoiding injection stress and side effects
- ✓ Lohusa cows, horses: Generally, Phosphorus deficiency occurs with calcium deficiency, It is the main cause of both birth palsy and many postnatal problems. It is an effective way of removal of phosphorus deficiency.
- ✓ New Borns: It contains phosphorus, which is necessary for bone and muscle growth, and resistance to diseases besides other minerals in a balanced manner.

**Usage and Dose:** The Phos-Form body is squeezed and adjusted the amount to be given immediately by the scale located on the container. The following doses should be continued for 10 days

Cows and Fattening Animals: It is given 100 grams with 1-2 liters of water.

**Calves,Sheep and Goats:** (Live weight 50 kg): 10 grams dilute with half liter of (0.5 lt) water and drink. **Paultry and turkeys:** drink 2-3 liters of Phos-Form in 1 ton of drinking water(50-100 grams per day should be calculated and added to the water for 100 paultries)

**Chicks:** add 2-3 liters of Phos-Form to a ton of water(20 to 30 grams per day should be calculated and added to the water for chicks or chickens)

The doses indicated above can be increased to 2 times with veterinary advice in case of severe phosphorus insufficiency, pica cases and the application period can be increased up to 2 weeks.



EVIAN

#### C STRONG D3

A complementary feed with Vitamin C and Vitamin D3.

#### Purpose of use:

Vitamins C & D3 working jointly to neutralize free radicals and strengthen the immune system with their antioxidant character. To provide a healthier muscle, bone and cartilage structure; Vitamins C and D3 are combined in C Strong D3.

Contents (Per 1L):

Vitamin C: 130.000 mg, Vitamin D3: 220.000 mg and other nutritive elements. Please see label for complete composition.

#### Advantages of use:

It shows a homogeneous distribution in water. Doesn't cause Phase separation and biofilm formation.

#### Usage and dosage:

Can be mixed with feed and drinking water or drenched orally. For drinking water use 200ml C Strong D3 for 1 ton of water. Horses, Cattle & Camels: 20-30ml/head/day Shoon Coats Calvos Camel calvos foals: 4-5ml/head/day

Sheep, Goats, Calves, Camel calves, foals: 4-5ml/head/day

Beef Cattle (200KG live weight): 10-15ml/head/day Poultries (all): 200ml for 1 ton of drinking water

#### Warnings and precautions:

Only for animal use. Shake thoroughly before use.

Drinking water mixed with vitamins should remain accessible for animals for 24hrs and completely changed every 2 days.

**Storage:** Keep stored in room temperature. Keep away from direct sunlight and don't freeze. **Packaging:** 1 lt, 5 lt



LIQUIDS 🧹



#### **B COMPLEX**

Complementary feed consisting of Vitamin B complexes, Vitamin K, Betaine, Choline, Biotin and similar nutritional elements to aid and support metabolism while increasing productivity.

#### Purpose of use:

- ✓ Protects general health and supports productivity
- ✓ Stimulates metabolism
- ✓ Decreases the risk of fatty liver (disease)

#### Indications:

- ✓ During antibiotic treatment
- $\checkmark\,$  For growth of offspring and increasing feed intake
- ✓ When deformation occurs skin and hooves
- ✓ When sudden deaths occur

#### **Contents: For every litre,**

8 Complex

Vitamins (B group: B1:2.500 mg, B2:4.000 mg, B6: 2.500 mg), Niacin, Vitamin K, Betaine, Choline Chloride, and other nutritional additives. Please see label for complete composition.

#### **Usage and Dosage:**

Poultry: Add Royal Avian B complex, 1 Lt / 3 tons of drinking water, and use for 1 week.
Subclinical Acidosis in cattle: Add 1Lt / 1 ton drinking water and use for 2 weeks
Swine: 1 It/ 2 ton, Nursing sows: add 1Lt / 5 tons drinking water and use for 2 weeks
Packaging: 1 It, 5 It, and 20 It



**B**Complex



## Garlicor

#### GARLICOR

Antioxidant effective complementary feed that increases natural resistance and appetite in animals.

#### Purpose of use:

 $\checkmark$  To obtain natural antibacterial effect (Essential oils provide this effect, which is used in the urinary system, cardiovascular, and general infections.)

- $\checkmark$  Increasing appetite, releasing the gas in the digestive system
- ✓ Due to antioxidant properties (Vitamin A and E strengthen this effect.)

#### Indications:

- ✓ Low appetite
- $\checkmark$  Suspicion of bacterial infection
- $\checkmark$  When feed consumption is low or to increase

#### **Contents (per Liter):**

Vitamin A: 5.000.000 IU, Vitamin E: 10.000 mg, Garlic essential oil, Coriander essential oil and others. Please see label for complete composition.

#### Usage and dosage:

Poultry: 0,5-1Lt Garlicor AE to 1 ton of drinking water and apply for 3-5 days.
Cattle, Horses: 10-15 ml/head/day. Sheep & goats: 2-4ml/head/day. Apply for 3-5 days.
Swine: 1 lt / 2 ton water, or 1 lt/ 1 ton feed
Packaging: 1 lt, 5 lt, 20 lt



LIQUIDS 🧹



# Carnitonic



#### CARNITONIC

*Liver protector complementary feed consisting of Carnitine, Betaine, Choline Chloride, Sorbitol, Magnesium, and special plant extracts.* 

#### Purpose of use:

- ✓ To prevent fatty liver: Depending on the increased energy need during growth, development and laying periods, metabolic balance can be disrupted by feeding with high fat levels or environmental stress. This causes liver fattening. The application of carnitine increases fat burning and relieves the liver. (By increasing mitochondrial oxidation in cells)
- ✓ To increase digestion: Sorbitol increases the release of penchreas enzymes, regulates digestion and contributes to the protection of the liver.
- ✓ The laxative effect of sorbitol and magnesium relaxes the digestive system and provides easy excretion of toxins.
- $\checkmark\,$  Reduces the harmful effects of stress factors
- ✓ Supports energy metabolism

#### **Contents (per Liter):**

L-Carnitine (Vitamin B11): 61.000 mg, Choline Chloride: 25.000 mg, Betaine: 15.000 mg, Amino acids. Sorbitol, Citric acid, Magnesium (Magnesium sulphate) Herbal liver protective extracts (Petroselinumcrispum, cynarascolymus) and others. For more information please refer to the label.

#### Usage and dosage:

Poultry: 1 lt/1 ton into drinking water and apply for 3-5 days.

Cattle, Horses: 50-70ml/head/day.

**Sheep & goats ,calves:** 10-15ml/head/day. Apply for 1 week in drinking water. Pigs: 10-15ml/head/day. **Piglets:** 2-4 ml/head/day. 1 week.

Packaging: 1 lt, 5 tt





#### EGENIN OREGANO LIQUID

LIQUIDS

For many years antibiotics have been used on animals as an appetizer and as protection against diseases. However, the use of antibiotics in feeds has been banned, as it has increased bacterial resistance and has left residues in animal foods. Following the ban on the use of antibiotics, attention has been turned to natural essential antibiotic-effective essential oils.

The most effective of these is oregano oil. 85% of the world's Oregano oil production is made in Turkey. The only reason for this is that Oregano grown in

the Aegean region contains high carvacrol and tymol active ingredients.

**Bactericidal effect:** Unfortunately 90 % of the studies made on Izmir's oregano were preformed outside of Turkey. According to the results of scientific researches, even if taken at low doses (200 mg per day for humans), it's very effective on bacteria. Essential oils obtained from Izmir Oregano show the bactericidal effect as it's in antibiotics, by breaking down the bacterial cell wall, opening the holes and leaking in the ions. Thus, bacterial ATP synthesis is inhibited and bacteria that don't produce energy die. Oregano essential oil has been shown to be effective in the following bacteria.

Staphylococcus aureus	Enterobacter aerogenes	Pseudomonas aeruginosa
Escherichia coli	Streptococcus uberis	Cryptosporidiae spp.
Pasteurella multocida	Proteus rettgeri Salmonella spp.	Streptococcus pyogenes anim.
Streptococcus feacalis	Proteus vulgaris	C Erysipelothrix insidiosa
Streptococcus agalactiae	Proteus mirabilis	Mycobacterium tuberculosis
Vibrio coli	Klebsiella pneumoniae	Aspergilus spp. Mucor spp.
Corynebacterium pyogenes		Eimeria spp. Candida spp.
Treponema hyodisaenteriae		

**Anti-oxidant effect:** It's known that Oregano essential oil neutralizes free radicals and shows antioxidant effect. (Effective on ROS reactive oxygen species)

Polyphenol, the active ingredient in Oregano oil, acts on free radicals and inhibits oxidation in intestinal cells. Excessive free radicals in stress conditions are restrained by the active ingredients of Oregano oil. **Antifungal effect:** It has been proven that the active ingredients in Oregano oil are effective on fungi.

This effect prevents fungi reproduction. Oregano essential oil has been reported to be effective on many coccidia species.

Positive effect on appetite: Oregano oil with its own unique scent, has a feed attracting and appetizing effect on animals.

**Antiparasitic effect:** Oregono's essential oil doesn't give parasites in the digestive system a chance to survive. Digestive system parasites have not been found in animals using Oregano essential oil regularly. **Anti-inflammatory effect:** Studies have shown that Oregano essential oil has an inflammatory effect on humans.

**Immune system supporting effect:** Although its mechanics are not completely known, it has been found that the oregano essential oil supports the immunity system.







#### The main reported effects in birds

- ✓ Digestive system regulator
- ✓ Immune system strengthening effect
- ✓ Antioxidant effect
- ✓ Decreasing effect of ammonia production
- ✓ Lower mortality
- ✓ Protects from stress
- ✓ Increase in egg yield
- ✓ Increasing effect of using feed in broilers

Effect on Rumen functions: Numerous scientific studies have been carried

out to show that Oregano

essential oil affects the rumen activities positively and reduce the production of methane gas and it has been stated that it will have a positive effect on the environment by reducing methane. Oregano oil supports the rumen flora and maintains the optimum balance of acetic, nitric and propionic acid in the rumen. This effect increases the digestion capacity of the rumen. It's known that Oregano oil affects fertility, meat and milk yield positively. It's estimated that this positive effect is due to multiple effects including positive effects of rumen functions.

#### Can these effects be accomplished by feeding the animals Oregano?

Recently, negative comments have been made by experts without scientific knowledge about essential oils. The most important of these comments is that the plant should be consumed directly instead of trying to extract essential oils. It can't be said that feeding animals Oregano is useless. It is a separate challenge to find regular fresh Oregano every day. However, it's known intensive dosing of an active substance has the expected effect. On the other hand, from 100kg Oregano, there can only be 500-700 grams of Oregano essential oils obtained.

The claim that essential oils are herbs used in ancient times and that they are not scientific: It is true that essential oils have been used from very ancient times. However, most of the effects and mechanisms of action of the active ingredients in essential oils are scientifically proven assertions. The use of essential oils is entirely based on scientific evidence.

#### What's the difference of Royal Ilac Egenin Oregano?

It's regrettable to say that there is a lot of scam in the essential oils sector. Essential oils are fundamental oils in plants. The production is very difficult and the extraction ratio is very low. Not to be confused with plant extract (plant juice). This plant is sometimes called tincture, which isn't the same as essential oil. Many of the Oregano oils which claim to be essential oils are only composed of synthetic aromas. It's impossible to get the expected results from them. Royal Ilac Egenin Oregano is produced only with natural essential oils of the Oregano which grows naturally in Izmir by the Aegean region.

Composition: Egenin Oregano; 8% Oregono essential oil

**Usage and dosage: Oregano Liquid:** Broilers: 100-200 ml/1 ton of drinking water. Layers & Turkeys: 100-250 ml/1 ton of drinking water. Pigeons & Rabbits: 2,5-3ml / 1 lt of drinking water. Dairy & Beef Cattle, Camels, Horses, Sheep: 200-250 ml/1 ton of drinking water. Calves: 100-200 ml/1 ton of drinking water. Swine(general dose): 150-250 ml/1 ton of drinking water.



#### VETERINARY PRODUCTS

# Roya

#### **B-CAROTEN PLUS**

It is scientifically proven that Beta-carotene, known as a precursor of vitamin A, has been found to have a positive effect on fertility of cattle, independently of vitamin A.

Especially the corpus luteum producing steroid hormone is rich in terms of betacarotene, it's confirmed that beta-carotene (together with Vitamin A) has an important role on the functions of luteal cells.

In case of serum beta-carotene deficiency for Cows, it has been scientifically

proven that;

- ✓ Ovarian cysts (luteal cysts),
- ✓ Renovation of the uterine wall,
- ✓ Weak Estrus,
- ✓ Delay ovulation and early embryonic death events, the effect on ovarian functions,
- ✓ Initiation of ovarian function on heifers which has never showed Estrus.
- ✓ To help the Zygote hold on the wall of the uterus and prevent premature miscarriages,
- ✓ Delay in the commencement of the postpartum uterine involution and ovarian function,
- ✓ Increase in insemination per pregnancy and decrease in pregnancy rate.

β-Carotene Plus; Besides beta carotene, is made from the mixture of Vitamin A, Vitamin E and Vitamin B12. Since having the positive effect on ovarian function checks, Vitamin E, the best known antioxidant, has already been used for many years in this area. Also Beta-Carotene increases the effect of Vitamin A together. The flavor has been enriched for animals with glucose.

Contents: Vitamin-A: 1.500.000 IU, Beta Carotene: 10.000 mg, Vitamin E: 10.000 mg, Vitamin B12: 10 mg

#### Usage and dosage:

The preferred time for use is one month prior to insemination until the verification of pregnancy. This method has shown to be the most reliable one and with the best results for a healthy pregnancy. On non matured heifers it can be used each cycle.

Daily usage for cows and heifers 40-50 grams per head.

For sheep and goats 5 grams per head is enough.





#### **RUMEN STIMILATOR**



"Combination of vitamins, minerals, energizers and other supplements. Effective in controlling rumen micro flora in the absence of rumen balance"

#### **Purpose of Use:**

Rumen stability of ruminants can go bad due to illnesses, acidosis, ketosis, mouldy feed and ration change. Spoiled rumen balance; causes Indigestion destroying the micro flora of rumen, atony. Rumen Stimilator helps regulate the rumen stability and appetite of ruminants.

Includes amino acids, vitamins and calcium propionate which actuate the energy metabolism of animals and Lactose that will multiply the beneficial bacteria in the rumen.

Includes various amino acids, and vitamins (especially resistance increasing Vitamin C, Vitamin E, Vitamin B12 and synthesis of cobalt mineral).

Since the effect of using organic and inorganic minerals will be seen in long term, providing rumen balance will not be effective in short term.

#### Usage and dosage:

If not advised otherwise by a Veterinarian Doctor;

Divide into specified two doses in the morning and evening and make the animal drink the slurry with appropriate amount of water.

**Cattles:** 1 pack a day,

Young Cattles: 1/2 pack a day

Calves: 15-20 grams a day

Sheep and Goats: 20-25 grams a day



#### **ROVITA ANTACID**

'Bring the acidity of rumen to the balance'

**Purpose of Use:** Supports the balance of the Rumen acidity and prevents from constipation.

#### Includes;

- ✓ Sodium Bicarbonate and Magnesium Oxide effective in the regulation of Rumen acidity
- ✓ Micro Flora regulating Yeast, vitamins and fibre source seaweed
- ✓ Efficient group B vitamins to enhance the appetite and helps start feed
- consumption of animals
- ✓ Veterinarian can increase the dosage 2-3 times to balance the acidity and supply laxative effect

**Contents:** In each 100 grams, Vitamin B1 : 80 mg, Vitamin B12: 800 mcg **Other components:** Seaweed (High fibre seaweed), Sodium Bicarbonate: 36% Magnesium oxide: Inactive yeast Saccharomyces service, Please see label for complete composition.

**Usage and Dosage:** The dose should be adjusted according to the desired effect and rumen acidity by veterinarians.

Cattle; In case of Acidosis 100-150 g/day,
Dose may be increased to 2-3 fold in severe cases.
Horses: 50-100 grams.
Calves: 50-75 grams.
Sheep and goats: 20-30 grams should be diluted with water by 1:10 ratio for animals to drink.



#### VETERINARY PRODUCTS



#### **ROVITA KA** 'High grade A and K vitamins'

**Purpose of Use:** Used to supply calves, lambs, chicks, chickens, turkeys and other animals with vitamin K & A whenever needed. Assists stress relief and relocation of animals. Stops the blood loss caused by diseases (coccidiosis) and prevents intestinal infections.

**Contents:** For per gram; **Vitamins:** Vitamin A; 240.000 IU, Vitamin K; 140 mg

**Analytic compounds:** Crude fibre = 0%, crude ash=97%, crude moisture: <1%, crude Protein = <1%, crude fat= <0%, Total sugar = 95%

#### Benefits and usage advantages:

Rovita KA Powder Solution helps regulate the yield loss and performance. It is used to support in case of illness and stress. Vitamin K has blood-stop effect, including petechial hemorrhage.

#### Usage and dosage:

If not advised otherwise by a Veterinarian Doctor; **Poultry:** 100-200 gr for 400 lt to drinking water during 2-3 days For 5 lambs or yeanlings: 4 gr Rovita KA a day mixed with water or milk for 2-3 days







#### **ROVITA COMBINEX**

Vitamin – Mineral Support

**Purpose on Use:** It is scientifically proven that supplying additional vitamins and minerals prevents the animals from illnesses and contributes to their efficiency. Rovita Combinex; is a vitamin and mineral supplement that is effective for respiratory, digestive, reproductive system and foot problems.

Usage and dosage: For Dairy Cows: 100 grams/day For Cattle: 60-80 grams/day For Calves: 20 grams/day For Fattening Yearlings: 10 grams/day For lambs: 2-5 grams/day Feed or drink it diluting with a little water during 3-5 days.



#### **ROVITA MULTIVITAMIN + SECO**

#### "Do not let your treatment remains without vitamin support "

Assist in treatment, appetizing vitamins, Selenium and Cobalt combination Purpose of use: In addition to treatment for the disease; It is a scientific fact that to give vitamins and minerals shorten the treatment time and make it more efficient. Rovita MultiVitamin+SeCo; supply vitamins, Selenium and Cobalt to animals. Cobalt contributes the rumen stability.

Usage and dosage: Dairy Cows: 100 grams per day Cattle: 80/100 grams per day Calves: 20 grams per day Fattening Yearlings: 10 grams per day Lambs: 2-5 grams per day Add to their feed or dilute and give with bottle.



#### VETERINARY PRODUCTS



#### ELECTROLYTE C

#### Electrolytes, Energy, vitamin C containing complementary feed

**Purpose of Use:** Electrolyte and Vitamin C support complementary feed for all animal species.

**Composition:** Magnesium, Calcium, Potassium, Sodium, Copper, Zinc, Selenium and Vitamin C please see the label for complete composition.

#### Usage and dosage:

Cows, Camels, horses, cattle: 100 grams day and night Calves, foals, lambs: 20-30 grams day and night Poultry: 1-2 grams to 2 litters of water 100 grams of Electrolyte C diluted to 2-3 litters of water and use 3-5 days till electrolyte level is back to

normal.

Veterinarian doctor may increase the usage period due to diarhea or vital loose of electrolyte

#### WARNINGS AND PRECAUTIONS:

Made of feed quality raw materials. It is not sterile. Only for animal use orally. Do not give animals that have no swallowing reflex.

**Storage:** Keep in room temperature. **Packing:** 100 grams



#### **SOS ENERGY + LITE**

"Energy, electrolytes, vitamins containing complementary solution powder"

**Purpose of Use:** Support for a variety of diseases that require immediate energy and electrolytes for animals (Ketosis, downer cow syndrome, when the animal feel tired or sluggish state).

SOS Energy + Lite is used in order to meet the needs of urgent energy, calcium, magnesium and conservation of rumen balance after emerging from the birth of cows. Vitamins E, C and other vitamins in its content help the animal improve its general condition urgently.

#### Usage and dosage:

Dissolve a bag in 10-15 liters of water and make the cow drink it all in a day or give it with stomach sorter. Calves and heifers 300-500 grams drink it diluting Sheep goat 100-200 grams drink it diluting

#### VETERINARY PRODUCTS





#### **BLOFOSS**

#### **Complementary Feed**

**Purpose of Use:** Blofoss is a complementary feed which has antifoam and digestive effect on rumen with natural and surface active agents.

**How to use:** Blofoss should be shaken before use. Blofoss can be given as drenches directly or use as an additive to feed, water. It could spray on pasture during

risky period.

**Cattle, Horse, Camel:** 100 ml per 250 kg live weight. Sheep, goat : 10 ml per 40 kg live weight. Calf, foal, Camel calf, Alpaka, Virkunya: 20 ml per 100 kg. It is recommended to add water and feed at the rate of 1/10.

If it is used to pasture, add 100 ml to 20 l water and spray it to 10 m2.

**Warnings and Precautions:** Animal use only. Do not drink animals that do not have an abstinence reflex. Do not use with milk. It does not leave residues in meat and milk. Storage Conditions: Keep in cool, dry places without sun.

#### **ROYAL SEL DE CARLSBAD**

Complementary mineral feed which is effective in stabilizing the digestive system acidity and stabilizing digestive system function in animals.

- Digestive system acidity regulator
- Bloat preventer
- Regulator of rumen peristaltic
- Expectorant

Feeding instruction: Unless the veterinarian recommends otherwise;

**Cattle, horse, camel:** 80-100 gr per day, Sheep, goat,calf, camle calf, alpaka: 15-20 gr per day. It is recommended to add water 1/10 or feed.

**Composition:** Sodium Sulphate: Sodium Chloride:, Potassium Sulphate (dry): Sodium Bicarbonate:



#### **ROYAL MAGNESIUM SULPHATE**

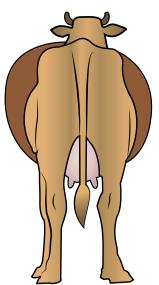
**Indication:** Magnesium sulphate is a nutrient that eliminates magnesium deficiency in animals and absorbs water into the intestinal contents, making it soft and easy to remove

**Feeding instruction:** Cattle, horse, camel: 250-500 gr/day/head. sheep, goat, calf, camel calf: 50-100 gr /day/head, Veal, foal, Alapaka, virkunya: 25-50 gr per day. It is recommended to add water or feed.

Composition (% / kg): Magnesium (Magnesium Sulfate ): 17.57%, Calcium: 0%, Phosphor: 0%, Sodium: 0%

**Warnings and precautions:** Animal use only. It's not recommended to feed animals that do not have swallow reflex.

**Storage conditions:** Store at room temperature. Protect from excessive sunlight. Do not freeze the product.







#### ROYAL CAMPHOR POMADE Skin Care Product

**Composition:** Camphor, stearate-20, and Vaseline containing pomade with a white color and characteristic odor.

**Indication:**Royal Camphor Pomade contributes to the natural renewal of the skin as a treatment aid to relieve the itchy skin irritations of painful swelling and stiffness in cattle, sheep, goat, camel and horses thanks to its antiseptic, analgesic and resolutical properties.

**Usage and dosage:** Before using Royal Camphor Pomade the area to be applied must be washed and dried with soap and water. If the veterinarian doesn't recommend otherwise,

it should be applied as a thin layer for 3-4 days, day and night. It can be repeated more if necessary. **General warning:** For external use only. Keep it where children cannot reach and away from foods. After applied hands have to washed and do not applied to eyes, nose, mouth and ears.



#### ROYAL ICHTHYOL POMAD Skin Care Product

**Composition:** Black colored pomade with a characteristic smell that contains ichthyol and stearate-20.

**Indication:** Royal Ichthyol Pomade is a pomade for cattle, sheep, Camels and horses that matures and softens the abscess on the skin with a mild antiseptic characteristic. It has a slight irritation effect. It gets rid of the itches and speeds up the treatment of the animals by maturing the abscesses quickly.

**Usage and dosage:** Before using Royal Ichthyol Pomade, the area to be applied must be washed and dried with soap and water. If the veterinarian doesn't recommend otherwise, it should be applied as a thin layer for 3-4 days. It can be repeated more if necessary.

**General warning:** For external use only. Keep it where children can not reach and away from food. After applied hands have to washed and do not applied to eyes, nose, mouth and ears.



#### **ROYAL IODE IODURE POMAD**

#### Skin Care Product

**Composition:** lode, Potassium iodide, stearate-20, vaseline, and water containing pomade with a dark brownish color and a characteristic odor.

**Indication:** Royal lode lodure Pomad is a skin care product for cattle, sheep and goats. Due to its dissolving and dispersing effect, it's an aid to treat skin swelling that is caused by trauma.

**Usage and dosage:** Before using Royal lode lodure Pomad, the area to be applied must be washed and dried with soap and water. If the veterinarian doesn't recommend

otherwise, it should be applied as a thin layer for 3-4 days. It can be repeated more if necessary. **General warning:** For external use only.Keep it where children can not reach and away from foods. After applied hands have to washed and do not applied to eyes, nose, mouth and ears.

VETERINARY PRODUCTS





#### **ROYAL OXYDE DE ZINC POMADE**

#### Skin Care Product

**Composition:** Zinc oxide, stearate-20, and Vaseline containing odorless pomade with a white color.

**Proporties:** Royal Oxyde de Zinc Pomade is a non-toxic, topic, externally used, protective, and antiseptic skin care pomade for cattle, sheep, and horses.

**Usage and dosage:** Before using Royal Oxyde de Zinc Pomade the area to be applied must be washed and dried with soap and water. If the veterinarian doesn't recommend otherwise, it should be applied as a thin layer for 3-4 days, day and night. It can be

repeated more if necessary.

**General warning:** For external use only. Keep it where children can not reach and away from food. After applied hands have to washed and do not applied to eyes, nose, mouth and ears



#### ROYAL RIVANOL POMAD Skin Care Product

**Composition:** Acrinol, stearate-20, water, and Vaseline containing odorless pomade with a yellow color.

**Indication:** Royal Rivanol Pomade is used as an aid to skin care in cattle, sheep, goats, and horses. It helps to accelerate healing by creating a protective surface for mild skin irritations, skin rashes, skin and nipple cracks and wounds.

**Usage and dosage:** Before using Royal Rivanol Pomade the area to be applied must be washed and dried with soap and water. If the veterinarian doesn't recommend otherwise, it should be applied as a thin layer for 3-4 days. It can be repeated more if necessary.

**General warning:** For external use only. Keep it where children can not reach and away from food. After applied hands have to washed and do not applied to eyes, nose, mouth and ears.



#### **ROYAL SALICYLE POMADE** Skin Care Product

**Composition:** Salicylic acid, stearate-20, water, and Vaseline containing odorless pomade with a white color.

**Usage area:** Royal Salicyle Pomade is a keratolytic effective pomade for skin diseases that occur in cattle, sheep, goat, and horses. It makes dry, hardened, and flaky skin layers fall off and it softens the skin to shorten the duration of the treatment.

**Usage and dosage:** Before using Royal Salicyle Pomade the area to be applied must be washed and dried with soap and water. If the veterinarian doesn't recommend otherwise, it should be applied as a thin layer for 3-4 days. It can be repeated more if necessary.

**General warning:** For external use only. Keep it where children cannot reach and away from food. After applied hands have to washed and do not applied to eyes, nose, mouth and ears.





#### **MENTOCARE SPREY**

#### Skin Care Product

#### **Composition:**

Within 200 ml metal bottle contains 1.5 g Menthol, 40 mg Brilliant blue, 20 ml Glycerin, 80 ml Isopropyl alcohol, 40 g LPG propellant

#### **Proporties:**

It forms a high-permeability, protective and protective layer to applied area.

#### Indication:

It is an epithelium protective-physical closure to protect the region from external influences and to help natural healing in various skin and nail lesions of cattle, sheep,

goats and horses. Royal Mentho Care Spray is a mild pain reliever with a feeling of coolness in the affected area.

#### Usage and dosage:

It is recommended to mark the area before using and clean up the area. It should applied to marked area 2 times a day for 1-2 seconds. If it is necessary to applied to udder, udder should washed before milking.



#### **ROYAL CREOLIN SOLUTION** *Nail Care Product*

#### **Composition:**

In 100 grams: It contains 15 g Phenol, 50 g medical soft soap, 20 g Pine tar, 15 g isopropyl alcohol..

#### **Proporties:**

It is a complex-structured solution with a brown-black color and tar odor.

#### Indication:

The Royal Creolin Solution is used externally as a foot antiseptic for cattle, sheep, and horses.

#### Usage and dosage:

Royal Creolin solution is used in foot and nail care of cattle, sheep, and horses by diluting it %3-5 water. The product should remain on animals nail for 1-2 minutes 2-3 times a day according to the severity of nail problem or they are applied to the fingernails with a brush.





#### PURPOSE OF USING SİLAMİX GRANULE SILAGE ADDICTIVE

- ✓ Silamix granule silage addictive increases the formation of lactic acid by regulating the silage acidity and the peculiar taste, colour, smell that allows animals to consume hungrily.
- ✓ Silamix granule silage addictive consumes the oxygen and controls the heat of silage and prevents nutrient lose. Shortens maturation of silage.
- ✓ Silamix granule silage addictive has an antimicrobial effect. Because of this feature, prevents formation of microorganism (mould, yeast and fungus) in the soled materials. These organisms causes digestive disorders, liver damage, disfunctionings of the liver, disfunctionings of the kidney, weakening of the immune system, injury of lung, rejection of fodder, lose in consumed fodder, lose of efficiency, increased

mortality and disruption of reproductive functions problems in animals.

- ✓ Silamix granule silage addictive prevents formation of unwanted organic acids and deterioration of silage.
- ✓ Silamix granule silage addictive has protein protective characteristics which prevents from protein breakdown.
- ✓ Silamix granule silage addictive increases stability of the oxygen quality and decreases the heat of silage which prevents formation of microorganism after opening of the silo. It increases the life of silage which makes it use longer time.

#### **BENEFIT'S OF SLAGE**

- ✓ Meets the roughage needs of animals during watery rich roughage not grown season.
- $\checkmark$  Preparing silage from green fodders is the best storage way.
- ✓ Allows storage of rich roughages in all kinds of weather conditions.
- ✓ Dries the green roughages and silages without loss of nutrients; means green roughages can be stocked longer without loss of nutrients.
- ✓ Silage has smell, taste and softness that animals enjoy to consume and opens the appetite of them.
- ✓ All kind of weeds mixed into soled roughage become harmless with silage. Some poisonous weeds lose this effect with fermentation and obtain better quality and digestible roughage.
- $\checkmark$  As long as not opened, silage allows to store like 2-3 years.

#### **USAGE OF SİLAMİX GRANULE SILAGE ADDICTIVE**

Sprinkles into each layer for each ton 0,5 kg Silamix granule silage addictive. Other than corn for green herbs and fodders with a low dry matter content, usage of 2 kg or more recommended. During use, make sure to use dust mask, rubber gloves, protective glass and dress.

#### HOW TO MAKE QUALITY CORN SLAGE?

- $\checkmark$  Corns must be harvested after milk, at the beginning of dough stage.
- ✓ Practically, if 1/3 2/3 grains of corncob yellow rest are white and when we squeeze the silage material if not dripping and when we open our handful, if keeps together and wet, it's suitable for making silage.
- ✓ Harvested corns must be carried to silo in no time. Sprinkles equally into each layer for each ton 0,5 2 kg
- ✓ Silamix Granule Silage Addictive or repels 1 2 litter Silamix Liquid Silage Addictive.
- Each layer must be compressed until there is no air left with tractor or etc vehicles. Compressing time must be minimum 5 minutes for each ton of product; for 6 tons of trailer must be 30 minutes.
- ✓ Silage must be finished in 2 3 days, should not be any longer. When silage takes more than a day, silo must be closed temporary and when continuing silage must be opened again.
- ✓ Silo must be closed hermetically and fixed with soil and scrap tires. Weather resistance must be increased.
- $\checkmark$  Silo to prevent ingress of rain, drainage barriers and canals must be created.
- ✓ Will be ready to use in 4 6 weeks.



#### CAPROSEL



## "A soft gel capsule consisting of high ratio of Vitamin E, Selenium and besides cobalt containing enough copper"

Vitamin E and Selenium treat white muscle diseases in lambs & kids and fasten the development of muscle and bone.

- ✓ Increases heat and fertility rate in Sheep and Goats.
- ✓ Orally given copper, cobalt, selenium and vitamin e are more effective than
- ✓ Intravenous injections

**Usage and dosage:** Lambs and Kids: 1 week birth apply 1-2 cap. Calves: 1 week after birth apply 3 capsules. Sheep and Goats before mating and 2nd month of pregnancy apply 2 caps. Cows: apply 4-5 capsules orally.



#### SHEEP SPECIFIC PRODUCTS 🍊





#### **Purpose of Use:**

**ORASEL E** 

Recent researches prove that; application of minerals and vitamins to animals orally is more effective than Intravenous injections. The same applies for selenium since it circulates in the body by binding to proteins. The body is processing this easily in the digestive tract. Intravenous application would cause abscesses. We can observe these kind of abscesses on the underarms of animals.

Deficiency of the mutual strengthening selenium and vitamin E; In young livestock such as lambs, goats, foals and calves it causes white muscle disease, which is accompanied by muscle fading and whitening, affecting growth and development negatively. Furthermore, animals with weakening immune system are more vulnerable to diseases.

In adult animals such as sheep, goats and cows, selenium and vitamin E deficiency is affected negatively and the incidence of mastitis and metritis is more frequent. Orasel E contains Vitamin E & Selenium and additionally Vitamins A & D for a balanced.

**Contents:** Sodium Selenite 410 mg, Vitamin E: 210.000 mg, A, D3 vitamins and others. For complete composition please see product label.

#### **Benefits and Advantages:**

- $\checkmark$  Easy orally application: Much easier application form, less stress and much safer for animals. No risk of injection nor abscesses.
- ✓ Lambs, Kids, Calves: Vitamin E and Selenium, which are necessary for muscular development, healthy muscle structure and resistance to diseases, as well as vitamins A and D, which are essential for growth and development, are balanced.
- ✓ Adult animals such as sheep, goats, cows: Includes vitamin E and Selenium as well as vitamin A and D which are effective in growth and development of the mature animals too. Especially preventing lambs from miscarriages caused by deficiency of selenium. Must be given to lambs during mating and at the 3rd month of pregnancy.

#### Usage and dosage:

Pivot bottle upside down, insert special apparatus orally and apply the pistol function. (each pistol spray is 1 ml)

Lambs & Kids (up to 15 days old): 1ml (apply pistol once)

Lambs & Kids (up to 30 days old): 1-2 ml

Calves: 1-2 ml. Large calves: 3 ml

Pregnant lambs (after 3rd month of pregnancy): 2-3 ml

Pregnant dairy cows (after 5th month of pregnancy): 6-8-10 ml

Horses: 6-8 ml

#### **Caution and Warning:**

For animal use only. Shake well before use. Pivot

bottle upside down, use pistol a few times to make sure the content is being sprayed out. Not to be used on animals without swallowing reflex.







#### COPPELEX CAPSULE BOLUS

"Slow-release copper and selenium bolus"

#### Purpose of use:

- ✓ Prevents the occurrence of enzootic ataxia due to copper deficiency.
- Avoids the loss of lambs born from sheep suffering from copper deficiency. (Lambs, born in herd with copper deficiency, can be subject to paralysis due to neural demyelization. This condition is untreatable and unhealable.)
- ✓ Coppelex Capsule Bolus is used to provide animals with developed rumen

✓ long term slow-release copper supply. In addition to accelerating the development of blood production, scientific studies have proven that copper also has an anti-parasitic affect on living parasites in the digestive system.

#### Usage and dosage:

**Coppelex Capsule Bolus:** Recommended to use it twice a year in areas with copper deficiency. Dosage in general for animals of 40-50 kg live weight: 1 piece of 4 gram capsule.

To avoid copper deficiency in Lambs, which is a usual occurrence at birth, pregnant sheep in their first half of pregnancy should be given 1 piece of 4 gram capsule with a swallowing apparatus. Oscillation time is 6 months.

## 'Please be advised to NOT use any other additives or supplements that contain the same contents elements Coppelex.'

#### **Caution and Warning:**

Before use, consult with a veterinarian about copper deficiency. Copper should not be given from other sources. Use with caution on Sheep. Use with caution on Sheep races such as Texel & Lleyn which are sensitive to copper. Not to be used on animals: with undeveloped rumen, animals exceeding the 4th month of pregnancy, animals with below 40 kg live weight.

#### 'The opinion of a veterinarian or animal nutritionist should be obtained before or during use.'

#### SHEEP SPECIFIC PRODUCTS 🧹

**OVISOL LAMB** 





## 'A liquid supplement consisting of 25 kinds of vitamins and minerals that will benefit your lambs '

- ✓ Liquid mixture of molasses mixed with vitamins and minerals that can be used for Lambs and Yeanlings from three weeks old. It increases the resistance against diseases and reduces deaths.
- ✓ Increases the survival rate of lambs and kids.
- ✓ Contributes to the preparation of ideal female yeanling sheep pregnancies, increases the pregnancy rate.
- ✓ Increases the efficiency of fattening yield in fattening.
- ✓ Being a Liquid and Water dissolution means a better bio-availability.
- ✓ Used with the purpose of growing, developing and protecting lambs and kids.
- ✓ Contributes to bone and muscle development and prevents muscle whitening due to selenium deficiency and the containing high rate of Selenium and Cobalt.

**Contents:** Vitamin A: 6.000.000 IU, Vitamin D3: 1.200.000 IU, Vitamin E: 10.000 mg, Vitamin C: 7.200 mg, Pyridoxine Hydrochloride, Vitamin B 12, D-Panthenol, Iron, Selenium: 800 mg, Iodine, Cobalt, Zinc, Manganese, Lysin and other nutritional values. Please see label for complete composition.

**Usage and Dose:** Can be applied orally for 3 week olds or added to the feeds or drinks for Lambs and Yeanlings. Dose is generally 2 ml for 5 kg live weight.

Lambs and Yeanlings free from milking: 7 gr /day/ head

Feeding lambs: 15 gr/day/head

Warnings and Precautions: Shake thoroughly before usage

**Storage:** Keep in a cool, dry, light-free environmen











#### **OVISOL SHEEP& GOAT**

A complimentary liquid feed containing 25 vitamins and minerals to prepare sheep and goat for pregnancy, increase fertility and eliminating post-parturition problems.

- ✓ Increases the fertility rate of sheep and goat, contributing to the growth and development of yeanlings.
- ✓ Reduces rate of infertility
- ✓ Increases the rate of survival of yeanlings (lamb and kid)
- ✓ Allows doelings to be better prepared for pregnancy and contributes towards this
- ✓ Increases yield in livestock
- ✓ Being in liquid form, and ability to quickly dissolve in water allows for better biological utilisation
- $\checkmark$  Used for growth, development, and protect the health of yeanlings
- ✓ The inclusion of Selenium, Cobalt and 25 vitamins and minerals allows for better

development of bones, muscle and also reduces muscle deterioration/whitening caused by Selenium defficiency.

Contents: Vitamin A: 10.000.000 IU, Vitamin D3: 1.000.000 IU, Vitamin E: 5.000 mg,

Vitamin C: 10.000 mg, Pyridoxine Hydrochloride, Vitamin B 12, D-Panthenol , Iron,

Selenium: 800 mg, Iodine, Cobalt, Zinc, Manganese, Lysin and other nutritional v

alues. Please see label for complete composition.

Usage an d dosage:

2 weeks before introducing rams into the herd: 10ml per day per animal for 1 month

2 weeks before birth: 10ml per day per animal for 1 month

**To prevent herd from being poorly, and before vaccinations:** 10ml/day/animal for 2-3weeks **Starting 2 months before adding Rams to the herd:** 15ml/day/animal for 2 months

For lamb and kids (baby goat) past 3 weeks, for every 5kg in weight calculate 1ml.

**Livestock for yeilds:** 8ml/day/ animal 2 weeks per month for the entire period of extraction (milk or meat animals)

Warning and prevention: Shake well before use



#### SHEEP SPECIFIC PRODUCTS 🧹





#### **OVISOL ZINCO COBALT, SELENIUM+ VIT B12**

'Cobalt, Selenium and Zinc are most important minerals in sheep growth, development and strengthening their immune system. They also play a vital role in lambing and keep the breeding at an active level.

An additive of highly concentrated organic formula of cobalt, zinc and selenium amino acids, including sweeteners and vitamin B12 combined with an easy way to consume for sheep, lambs, goats and yeanlings.

#### Purpose of use:

- ✓ Supports lambing and survival of healthy yeanlings by providing their selenium needs.
- Increases the blood production, contributes to growth, development and a healthy muscle structure. Has an important role in breeding and keeps metabolic functions stable by maintaining proper supply of copper, zinc, selenium, cobalt and Vitamin B12 which is essential in the absorption of cobalt.
- $\checkmark$  Ovisol contains vitamins and minerals in perfect balance

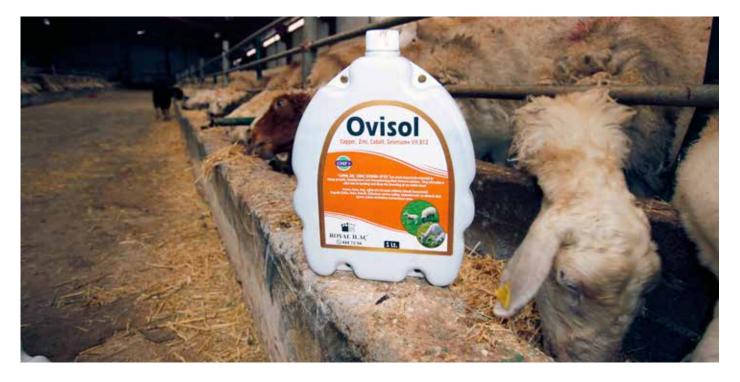
**Contents (mg/kg):** high ratio B12 vitamin 200mg/kg, selenium 800mg/kg, cobalt 7500mg/kg, zinc, amino acids and more. For complete composition please see product label.

**Usage and dosage:** Ovisol can be applied orally, mixed with feed or water. Apply 4 days at a session, 4-5 times per year. Please do not forget that this product contains high levels of cobalt, selenium and zinc.

**Lambs & yeanlings from 6 months and above:** 2ml/head/day. Four times a month, 5-6 times per year. **Sheep and Goats:** once before tupping (mating), once in 2nd-3rd month of pregnancy, 5-6 times per year. **Feedlot animals:** 3-5ml/head/day. Grazing animals: 6-7ml/head/day.

Male & female yearlings: 3-4ml/head/day, 4 times a month & 5-6 times per year.

**Warnings & precautions:** Shake properly before usage. On pregnant animals, use during last 1-2 months. **Packaging:** 1 It ans 5 It







#### **CAPROVIT LAMB**

## Caprovit Lamb has been formulated for growing and developing Lambs. Contains an ideal formula especially for intensively fed Lambs and Rams.



- ✓ In order to increase fattening performance and immunity, it contains sulfur that enters the structure of sulfuric amino acids as well as high levels of vitamin E, selenium and organic selenium.
- Produced with the addition of yeast enhancing utilization of feed and developers of lambs' rumens.
- ✓ Contains the appetizing group B vitamins and especially high levels of vitamin B12 to support the growth.
- ✓ Urine agonizing ammonium chloride has been added, while limiting the amount of phosphorus and magnesium ,in order to inhibit the formation

of urinary stones which are commonly seen in lambs.

- ✓ 10% Sodium bicarbonate has been added to prevent the acidification of the rumen that might occur during the intensive feeding period.
- ✓ Contains all antioxidants, vitamins and minerals which contribute to the development of muscle, bone and growth in a balanced way. These contribute to the health of foot & wool and contributes to resistance to diseases.

#### Usage and Dosage:

Recommended to feed lambs after their 45th day until the end of their fattening.

#### Lambs (from 45 days to 3 months): 6-7 grams/day/head

Lambs (from 3 months on): 8-12 grams/day/head (gradual increase)

Yearlings: 15 grams/day/head

Rams: 20-25 grams/day/head

To feed with daily ration: It's recommended to add 1kg of Caprovit Lamb to 100 kg of feed (1%)





#### **CAPROVIT SHEEP**

## Caprovit Sheep has been formulated for all ages of sheep and lambs. With an ideal formula especially for intensively fed Sheep, Lambs and Rams.



- ✓ Contains high levels of vitamin E, selenium and organic selenium to increase the efficiency and immunity.
- Produced with the addition of yeast enhancing utilization of feed and developers of lambs' rumens.
- ✓ Contains the appetizing group B vitamins and especially high levels of vitamin B12 to support the growth.
- ✓ It has been scientifically proven that the contents of vitamins and minerals have the impact to increase the weight of birth of lambs, prevent infertility, prepare female yearlings for pregnancy and relive post-natal problems.
- ✓ Contains all antioxidants, vitamins and minerals which contribute to the development of muscle, bone and growth in a balanced way. These contribute to the health of foot & wool and contributes to resistance to diseases.

#### Usage and Dosage:

#### Sheep (during normal time): 20 grams/day/head

Sheep (Vitamin mineral deficiency doubt, or before & after lambing, 2 weeks before and 2 weeks after ramming): 25-30 grams/day/head

Lambs (from the time of feeding): 2-3 grams/day/head

Lambs from 45 days to 3 months: 6-7 grams/day/head

Lambs (from 3 months to 1 year old: 8-12 grams/day/head (gradual increase)

**Yearlings:** 15 grams/day/head **Rams:** 20-25 grams/day/head







## A CONTRACTOR

#### **ROVITA NEW BORN**

**Definition:** A vitamin, organic mineral, energy protein and reach immun globulince, immune system nutrition should be used urgently in the first 18 hours after birth of newborn calves.

**Ingredients and Technical Features:** Includes; Vitamin A, Vitamin D3, Vitamin E, Niacin, B-complex vitamins, other vitamins, Biotin, IgY from vaccinated egg powder, Selenium, Vegetable Oil, Dextroz, and others... For complete composition please see product label.

Rovita New Born icludes rich amount of Immun Globun Yolk. IgY, also called as egg immune globins; this particular prophylactic and the body's defenses and promoting substances, obtained by specifically hens' eggs by drying in the spray driers that vaccinated and this vaccine past to their eggs. When the calf born what she needs are; strong immune system, energy and with the feature of vitamin, mineral support, especially iron and selenium.

Rovita New Born includes from these enough for calves. Also effective againist decrease in sugar.

Used minerals are produced by the method of connecting the mineral called as Glycine to amino acids with highly advanced techniques.



#### ROVITA RESPIRA: Paste Respiratory aid

Complimentary feed used to soothe the respiratory system and open airways in calves, yeanlings and other animals.

**Usage instructions:** Rovita Respira contains the aromatic compounds, menthol and vitamin C, which reduce the irritability in the respiratory tract, moisturize mucus membrane, soothes respiration and supports the respiratory system.

**Contents of every syringe:** Vitamin C : 1000 mg, Mint essential oil, menthol, ocalyptus, truffle, ginger essential oil, green shell powder and other nurturing elements... For complete composition please see product label.

Dosage: Calves 20 ml 1 syringe,

Yeanlings 2ml, Sheep, Goat 20 ml. Cows, camels and horses: 5/day for a period of 3 days.

Proposed dosage can be divided into 2-3 or can be used at once.

Best Before: 18 months after manufacture date..

Packaging: 20 ml syringe



#### **ROVITA ROTO CORONO:**

**Description:** Diarrhea prevention for calves, yeanlings and newborns.

**Contents:** Electrolytes, pectin, Immunoglobulin yolk (IgY), Vitamin, organic mineral, protein, and other immue system strengthening materials. For complete composition please see product label.

#### Ingredients and Technical Features:

Vitamins: Vitamin A, Vitamin D3, Vitamin E, Vitamin B12,

Electrolytes: Sodium, Potassium, Chloride, Sodium Bicarbonate, Intestinal Sedatives: Kaolin, Pectin.

Immune System Boosters: Colostrum, Immun Globulin Yolk (IgY) egg immune globins,

Minerals: Copper, Iron, Manganese, Zinc chelates with Selenium and Cobalt.

#### CALF SPECIFIC PRODUCTS 🧹





#### **ORASEL ADE**

#### **Purpose of Use:**

Recent researches prove that; giving minerals and vitamins to animals orally is more efficient than inject them to their muscles or under their skin. This also same for selenium. Because selenium transports in the body by binding to the proteins. Body, process this easily in the digestive tract. On the other hand absorption of selenium is hard from under skin causes abscesses. We see these kind of abscesses on the underarms of animals.

Deficiency of Selenium and Vitamin E; strengthens each other and cause muscle

melting white muscle disease and affect growth and development in a negative way in young animals such as lambs, baby goats, foals and calves. Furthermore, the defense system is weakened animals are becoming vulnerable to the diseases.

Selenium and Vitamin E deficiency negatively affects breeding in mature animals such as sheep, goats and cows and causes mastitis, metrisis and retensiyo secundinarum.

Orasel E includes vitamin E and Selenium as well as vitamin A and D which are effective in growth and development of the animals.

**Compounds:** In each It. Sodium Selenite 410 mg, Vitamin E: 210.000 mg, A, D3 vitamins and others... Please see label for complete composition.

#### Benefits and usage advantages:

✓ Easy to use orally: More efficient compare to other ways. Never cause animals to have stress. No risk of injection and abscess.

✓ In sheep, baby goats and calves: Includes vitamin E and Selenium as well as vitamin A and D which are effective in growth and development of the animals.

✓ Includes vitamin E and Selenium as well as vitamin A and D which are effective in growth and development of the mature animals too. Especially prevent lambs from miscarriages causes by deficiency of selenium. Must given to lambs durin mating and at the 3rd month of pregnancy.

#### Usage and dosage:

Put the bottle in the mouth of animal with its special apparatus while making upside down.

Each spray is 1 ml

In 15 days old yeanlings and sheep: 1 ml (1 ml, spray 1 time)

In 30 days old yeanlings and sheep: 1-2 ml

In calves: 1-2 ml

In big calves: 3 ml

In pregnant lambs (after 3rd month of pregnancy): 2-3 ml

In pregnant dairy cows (after 5th month of pregnancy): 6-8-10 ml

In horses: 6-8 ml

#### WARNINGS AND PRECAUTIONS:

It is only for the use of animals.

Shake well before using the product in the original bottle and use. The bottle should be turned upside down and the pump must be tightened until the contents of the content reaches to pump.

Do not give animals that have no swallowing reflex.



#### **BOVISOL CALF LIQUID**

Formulated for Calves, a highly concentrated vitamin; mineral additive; quick-absorbing and sweetening supplement.

#### **Purpose of use:**

Used for growing, developing and protecting the health of calves. Contains high levels of selenium, cobalt and 25 kinds of vitamins & minerals which support the development of bone and muscle. Prevents muscle whitening caused by selenium deficiency. Flavored with molasses for the appetite attraction of calves.

#### Contents (per KG)

Vitamin A: 6.600.000 IU Vitamin D3: 600.000 IU, Vitamin E: 30.000 mg. Vitamin C; 6.200 mg, B group Vitamins, Folic acid, Niacin, Vitamin K, other vitamins, minerals; Iron: 2.000 mg, Selenium 800 mg / kg, Cobalt 1.300 mg / kg, Zinc, Manganese, Calcium, Macro minerals such as phosphorus, amino acids and more. Please check the product label for the complete contents.

#### Dosage and use:

Can be mixed with feed and drinking water. To calves older than 3 weeks it can be applied orally.

30-50 kg live weight, per calf: 10 ml

80-100 kg live weight, per calf: 20 ml

150-200 kg live weight, per calf: 40 ml

Warnings and precautions: Shake thoroughly before use.

Storage: Keep in a cool, dry, light-free environment.



#### **BOVISOL COPPER, ZINCO COBALT, SELENIUM+ VIT B12**

Copper, cobalt, selenium and zinc are the most important minerals for breeding of the animal, healthy offspring, reproduction health, growth and development and strengthening of the immune system.

Complementary feed formulated for Beef and Dairy Cattle, Camel, Alpaca and similar animals containing high concentrated organic zinc, copper, cobalt, selenium, amino acids, sweeteners and vitamin B12.

**Purpose of use:** To support the healthy birth and survival of Cattle and Camels, elements such as copper, cobalt and selenium shouldn't be a deficiency.

To increase blood production of the animals, healthy muscle structure, growth & development, healthy breeding and proper metabolic functions, minerals such as copper, zinc, selenium, cobalt and cobalt absorbing vitamin B12 are absolutely essential.

Bovisol contains minerals and vitamins in a balanced manner.

**Contents (mg/kg):** High ratio B12 Vitamin 200 mg/kg, Copper 11.500 mg/kg, Selenium 800 mg/kg, Cobalt; 7.500 mg/kg, Zinc, Amino acids and others. For more information please refer to the label.

Usage and dosage: Bovisol can be applied orally as well as mixed with feed or drinking water.

Each treatment must be applied for 4 days and 5-6 times per year. Please be aware that this product contains high concentrations of copper, cobalt, selenium and zinc.

Calves (Cows & Camels) from the 6th month on: 5-7 ml/head/day. Four days per month and 5-6 times per year. Cattle & Heifers: 10-15 ml/head/day. Four days per month and 5-6 times per year.

Cows & Camels: Once before pregnancy and once in the 3.-4. months of pregnancy, 5-6 times per year, 20ml/ head/day. Caution and Warning: Shake well before use.

Packaging: 1 lt, 5 lt and 20 lt

#### BEEF CATTLE SPECIFIC PRODUCTS 🍊





#### **CALM & CONDITION**

Complementary feed for Beef Cattle that calms the animals, removes discomfort, with appetizing vitamins and aromas to increase live weight gain performance.

#### Purpose of use:

Calms Beef Cattle and other animals under stress and increases their weight gain performance.

Calm & Condition contains vitamins, minerals, amino acids and herbal extracts. Guaranties the calm feed consumption and weight gain of Beef Cattles.

Contains the necessary minerals and vitamins for the proper development of Beef

Cattles.

Improves digestion capacity of the Rumen with its yeast contents.

**Contents:** Besides the calming effect on Beef Cattle with herbal extracts, it contains vitamins A, D, E, B1, Niacin, Minerals, Manganese, Zinc, Iron, Selenium and others. For more information please refer to the label. Usage and dosage: To relief Beef Cattle from stress and to increase weight gain, in correlation with the weight: 60-100 grams/day/head, Beef Yearling: 10-15 grams/day/head,

Animals about to be transported, apply 3 days in advance

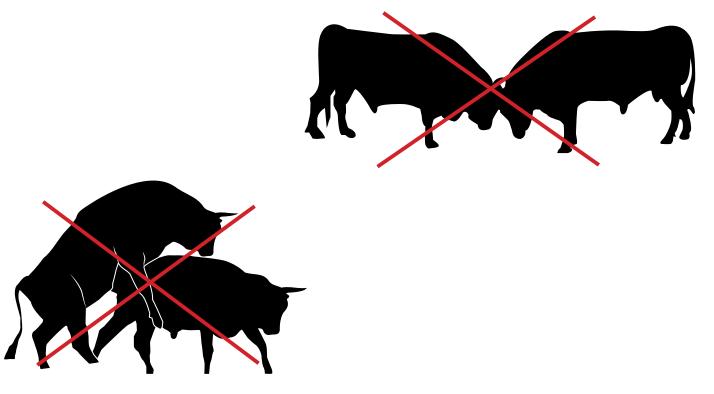
Horses: 100 grams/day, Dairy Cattle: 100 grams/day, Calves: 20 grams/day/head,

Lambs: 2-5 grams/day to be fed to animals.

In case of mixture with the daily ration of feed, apply 1kg to 100 kg of feed (1%)

**Caution and Warning:** Only for animal use. There is no waiting period for meat and milk.

**Storage:** Store at room temperature. Protect from direct sunlight and do not freeze the product. **Packaging:** 25 kg



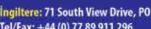




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