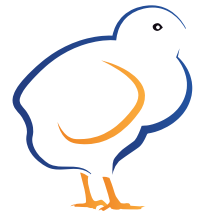




Agriculture Products Industry and Trade Ltd. Company



www.bakintarim.com.tr



Its' power is in experience...





About Us,

As a result of veterinary profession and the accumulation of field data which transformed into experience, Bakin Agriculture is founded for the purpose of being more beneficial to livestock industry, responding the needs and finding new and permanent solutions to the problems. In our corporate structure, which has been growing day by day with the expert and experienced veterinarian and agricultural engineer stuff, our efforts are continuing for generating new and permanent solutions to current problems with R&D activities.

While we keep working to increase our export share, our products have already taken place in not only in the domestic market but also in the foreign market.

In accordance with those efforts, we wish to make lucrative, healthy and quality production together...

Mission,

Bakin Agriculture, founded for the purpose of being more beneficial to livestock industry, responding the needs and finding new and permanent solutions to the problems, has committed to produce in accordance with international standards without compromising on quality. While our efforts are continuing both in the domestic market and foreign market, our mission is to provide solutions to industry problems with different proposals based on R&D activities.

Vision,

To improve itself constantly with inquisitive and innovative approach, adopt a principle to deliver products and services without compromising on quality and in accordance with international standards, have experts and skilled employees in their field, and make a difference in the industry by having a brand value that comes to mind first in its field in Turkey and in the world.



OUR PRODUCT RANGE



FEED ADDITIVE GROUP

BROILER VITAMIN MINERAL
LAYING HEN (0-6 WEEKS) VITAMIN MINERAL
LAYING HEN (7-20 WEEKS) VITAMIN MINERAL
LAYING HEN VITAMIN MINERAL
SMARTSAL 400 F
SMARTSHELL PLUS
SMARTCID 300 P
SMARTTOX 800S
SMARTTOX PLUS
SMART RUMITOX
SMARTZYME
SMARTZYME XF
SMARTZYME XF + PRO
SMARTZYME P
FATLING VITAMIN MINERAL
MILK VITAMIN MINERAL
LAMB AND CALF VITAMIN MINERAL



CONCENTRATED FEED GROUP

LAYER CONCENTRATED FEED (%30)
LAYER CHICKEN CONCENTRATED FEED (%30)
BROILER CONCENTRATED FEED (%30)
BROILER BREEDER CONCENTRATED FEED (%30)



COMPLEX PREMIXES

COMPLEX PREMIX BROILER
COMPLEX PREMIX BROILER BREEDER
COMPLEX PREMIX LAYER
COMPLEX PREMIX LAYER BREEDER
COMPLEX PREMIX LAYER CHICKEN



R&D PRODUCTS

SMART PROLIVE LAYER
SMART PROLIVE BROILER
SMART PROLIVE BREEDER
SMART PROLIVE
SMART PROLIVE (FEED FORM)
SMART VITAPLUS
SMART MENTLIFE
SMART MENTLIFE PLUS
SMARTCID LIQUID PLUS
SMART RUMILIVE (FEED FORM)
SMART RUMILIVE LIQUID
SMART BIYOLIVE (FEED FORM)
SMART BIYOLIVE LIQUID



FEED ADDITIVE GROUP



BROILER VITAMIN MINERAL

VITAMIN A	12.000.000 IU	FOLIC ACID	1.000 mg
VITAMIN D3	2.000.000 IU	CHOLINE CHLORIDE	350.000 mg
VITAMIN E	40.000 mg	MANGANESE	80.000 mg
VITAMIN K3	5.000 mg	IRON	40.000 mg
VITAMIN B1	3.000 mg	ZINC	60.000 mg
VITAMIN B2	7.000 mg	COPPER	5.000 mg
VITAMIN B6	5.000 mg	IODINE	900 mg
VITAMIN B12	25 mg	COBALT	200 mg
NIACIN	40.000 mg	SELENIUM	200 mg
CA-D-PANTOTHENATE	10.000 mg	ANTIOXIDANT	10.000 mg
D-BIOTIN	70 mg		

LAYING CHICKEN (0-6 WEEKS) VITAMIN MINERAL

VITAMIN A	12.000.000 IU	FOLIC ACID	1.000 mg
VITAMIN D3	2.400.000 IU	CHOLINE CHLORIDE	400.000 mg
VITAMIN E	30.000 mg	MANGANESE	80.000 mg
VITAMIN K3	5.000 mg	IRON	60.000 mg
VITAMIN B1	3.000 mg	ZINC	60.000 mg
VITAMIN B2	8.000 mg	COPPER	5.000 mg
VITAMIN B6	5.000 mg	IODINE	1.000 mg
VITAMIN B12	20 mg	COBALT	200 mg
NIACIN	25.000 mg	SELENIUM	150 mg
CA-D-PANTOTHENATE	12.000 mg	ANTIOXIDANT	10.000 mg
D-BIOTIN	50 mg		



USAGE : 2,5 Kg is added to per ton layer chicken feed.
PACKAGING : 25 kg in craft bags.



PULLET (7-20 WEEKS) VITAMIN MINERAL

VITAMIN A	12.000.000 IU	FOLIC ACID	1.000 mg
VITAMIN D3	2.500.000 IU	CHOLINE CHLORIDE	200.000 mg
VITAMIN E	30.000 mg	CANTHAXANTHIN	İSTEĞE GÖRE
VITAMIN K3	4.000 mg	APO CAROTEONIC ACID ESTER	İSTEĞE GÖRE
VITAMIN B1	3.000 mg	MANGANESE	80.000 mg
VITAMIN B2	7.000 mg	IRON	60.000 mg
VITAMIN B6	5.000 mg	ZINC	60.000 mg
VITAMIN B12	15 mg	COPPER	5.000 mg
VITAMIN C	50.000 mg	IODINE	1.000 mg
NIACIN	30.000 mg	COBALT	200 mg
Ca-D-PANTOTHENATE	10.000 mg	SELENIUM	150 mg
D-BIOTIN	45 mg	ANTIOXIDANT	10.000 mg

LAYING HEN VITAMIN MINERAL

VITAMIN A	10.000.000 IU	FOLIC ACID	750 mg
VITAMIN D3	1.500.000 IU	CHOLINE CHLORIDE	300.000 mg
VITAMIN E	20.000 mg	MANGANESE	80.000 mg
VITAMIN K3	3.000 mg	IRON	60.000 mg
VITAMIN B1	2.000 mg	ZINC	60.000 mg
VITAMIN B2	6.000 mg	COPPER	5.000 mg
VITAMIN B6	4.000 mg	IODINE	1.000 mg
VITAMIN B12	20 mg	COBALT	200 mg
NIACIN	25.000 mg	SELENIUM	150 mg
Ca-D-Pantothenate	8.000 mg	ANTIOXIDANT	10.000 mg
D-BIOTIN	80 mg		

USAGE: 2,5 Kg is added to per ton layer chicken feed.
PACKAGING: 25 kg in craft bags.

SMARTSAL 400 F

Natural organic antimicrobial blend (SMARTSAL 400F) reduces risk of pathogenic alimentary diseases of chicken, increase digestive system health and feed efficiency rate. Salmonella, E. coli, Clostridia and other confusing flora are reduced to safety limits.

Supported gut health increase gut immun response and gut-blood barrier. So, systemic diseases originated from gut abnormalities will be prevented more effectively.

Healty gut with SMARTSAL 400 F minimizes carriage and mortality rate, maximizes healthy poultry meat and egg.

Feed utilisation rate is increased, manure moisture level decrease and amonnia release rate of manure is decreesead when used SMARTSAL 400 F.

Necrotic enteritis syndrome will be prevented by using SMARTSAL 400F.

SMARTSAL 400 F is a good combination of organic acids (Formic acid, propionic acid, acetic acid, Citric acid).

DOSE:

BROILER	: 0.5-2 kg / TON Feed
LAYERS	: 0.5-2 kg / TON Feed
PARENT STOCK	: 1-2 kg / TON Feed
TURKEYS	: 1-2 kg / TON Feed

PACKING:

25 kg of craft bags





THE RIGHT CHOICE
FOR
YOUR EGG SHELL QUALITY

SMARTSHELL & SMARTSHELL PLUS

SMARTSHELL has taken its place as an indispensable product in laying flocks and broilers due to its contribution to the formation of eggshell with Zinc, in the mechanism of activation of Ca and P in bone cells with Copper, in the insufficiencies due to B group vitamins during the laying period with Iron, and as a catalyst of many enzymes with Manganese and in keeping the egg yield in balance.

SMARTSHELL PLUS supplementation to be made during the chick period and egg period in laying hens will provide a smooth breeding period and prevent cage fatigue and eggshell problems in late period layers.

THE PURPOSES OF USAGE:

Stabilises calcium and phosphorus metabolism.

Provides visible improvement in deformed, lumpy eggs.

Minimises cage fatigue problems.

Improves the quality of egg shells and provides a significant reduction in the rate of cracks and hidden cracks.

Reduces the rate of dirty eggs.

Reduces the incidence and severity of tibial dyschondroplasia in broilers.

It strengthens bone structure in broilers and has a positive effect on live weight before slaughter.

DOSE:

SMARTSHELL & SMARTSHELL PLUS

Layers	: 1 kg / TON FEED
Broiler	: 1 kg / TON FEED
Between Days 0-30	: 1 kg / TON FEED
Day 30	: 0,5 kg / TON FEED
Breeder	: 1 kg / TON FEED
Turkey	: 1 kg /TON FEED

SMARTSHELL PLUS PACKING

20 kg in craft bags.

SMARTCID 300P

Kills molds that spread in the feed with grain and eliminates the risk of mold . Protects animal health and in particular the liver health.

Provides increase in efficiency and increases farming earnings. Reduces the risks of mold toxin residues in animal food. Increases the safety in animal food and consequently in human health. It helps to ensure exports of food production criteria.

COMPOUNDS OF SMARTCID

Propionic acid	300.000 mg / kg
Formic acid	150.000 mg / kg
Citric acid	100.000 mg / kg

USAGE : 1 kg / TON FEED

PACKING : 25 kg in CRAFT BAGS.

MOLT
PREVENTIVE



SMARTTOX 800S

EFFECTS OF MYCOTOXINS ON ANIMAL PERFORMANCE AND HEALTH

Significant economic losses on animal
production due to diseases = Mycotoxicosis

Organ damage
Low performance
Reproductive problems
Immunosuppression

Influencing Factors

Mycotoxin type
Exposure level
Animal species, age, breed, sex
Presence of other toxins
Nutritional status
Immune status
Farm management

INGREDIENTS

Inactive Yeast
HSCAS

DOSE:

Poultry 0,5-3 kg / TON FEED
Ruminant 0,5-1 kg / TON FEED

SMARTTOX PLUS

INGREDIENTS

Inactive Yeast
Herbal Extract
Active Carbon
HSCAS

DOSE:

Poultry 0,5-3 kg / TON FEED

SMART RUMITOX

CONTENT

Inactive Yeast and MOS
Acetic and Propionic Acid
Copper Sulphate
HSCAS

DOSE:

Ruminant 0,5-3 kg / TON FEED





SMARTZYME

SMARTZYME XF

Xylanase
Glucanase
Phytase

* It is used by adding
half kg per tonne of feed

SMARTZYME PRO

Protease 125

* It is used by adding one kg per
tonne of feed

Protease 250

* It is used by adding half kg per
tonne of feed

SMARTZYME XF + PRO

Xylanase
Glucanase
Phytase
Protease

* It is used by adding
half kg per tonne of feed

SMARTZYME P

Pyhtase

* It is used by adding half kg per
tonne of feed

THE PURPOSES OF USAGE

Increase digestibility of non-digestible fibers and carbohydrates. So, increase feed efficiency ratio and energy benefit.

Minimise the need for fat as energy source. So, decrease oxydative stress comes from fat methabolism and oxidation of the fats.

Increase benefit from all the micro nutrients and decrease feed consumption rate.

Decrease the cost of feed about 10%.

Decrease needed fat (oil) suplement at a 4% rate in the feed and increase metabolizable energy level of the feed at 4-7% rate.

Cost effective and makes save.

Increase the FCR, decrease manuree moist, and amonnia level.

Suitable for pelettizing.

PACKAGING: 25 kg in craft bags.





FATLING VITAMIN-MINERAL

VITAMIN A	10.000.000 IU	COPPER	10.000 mg
VITAMIN D3	3.000.000 IU	IODINE	800 mg
VITAMIN E	20.000 mg	COBALT	150 mg
MANGANESE	50.000 mg	SELENIUM	150 mg
IRON	50.000 mg	ANTIOXIDANT	10.000 mg
ZINC	50.000 mg		

MILK VITAMIN-MINERAL

VITAMIN A	10.000.000 IU	COPPER	10.000 mg
VITAMIN D3	3.000.000 IU	IODINE	800 mg
VITAMIN E	20.000 mg	COBALT	150 mg
MANGANESE	50.000 mg	SELENIUM	150 mg
IRON	50.000 mg	ANTIOXIDANT	10.000 mg
ZINC	50.000 mg	NIACIN	100.000 mg

LAMB and CALF VITAMIN-MINERAL

VITAMIN A	12.000.000 IU	Ca-D-PANTOTHENATE	12.000 mg
VITAMIN D3	3.000.000 IU	CHOLINE CHLORIDE	150.000 mg
VITAMIN E	25.000 mg	MANGANESE	50.000 mg
VITAMIN K3	8.000 mg	IRON	50.000 mg
VITAMIN B1	4.000 mg	ZINC	50.000 mg
VITAMIN B2	6.000 mg	COPPER	10.000 mg
VITAMIN B6	8.000 mg	IODINE	800 mg
VITAMIN B12	20 mg	COBALT	150 mg
NIACIN	20.000 mg	SELENIUM	150 mg
		ANTIOXIDANT	10.000 mg



USAGE : 1 Kg / TON FEED.
PACKING :25 kg in craft bags.



CONCENTRATED GROUP



OPTIMUM MIXTURE ✓
EXCELLENT RESULT ✓
NONE FAULT ✓
EASY USAGE ✓

- LAYER CONCENTRATED FEE (30%)
- LAYER CHICKEN CONCENTRATED FEE (30%)
- BROILER CONCENTRATED FEE (30%)
- BROILER BREEDERCONCENTRATED FEE (30%)

(300 Kg. of CONCENTRATED FEED from SMART+ 700 Kg of maize or wheat from Farmer= Complete Feed.

Why Feed CONCENTRATE ?

You don't have to spend effort for buying about 2- to 30 different feed ingredient or additive.

You only need 2 or 3 basal feed ingredients which will make 70% of the feed mix.

You do not have to construct complex feed factory.

You do not have to have experineced feed making staff.

You always will be assisted by our technical staff when you have feed borne problems, or else...

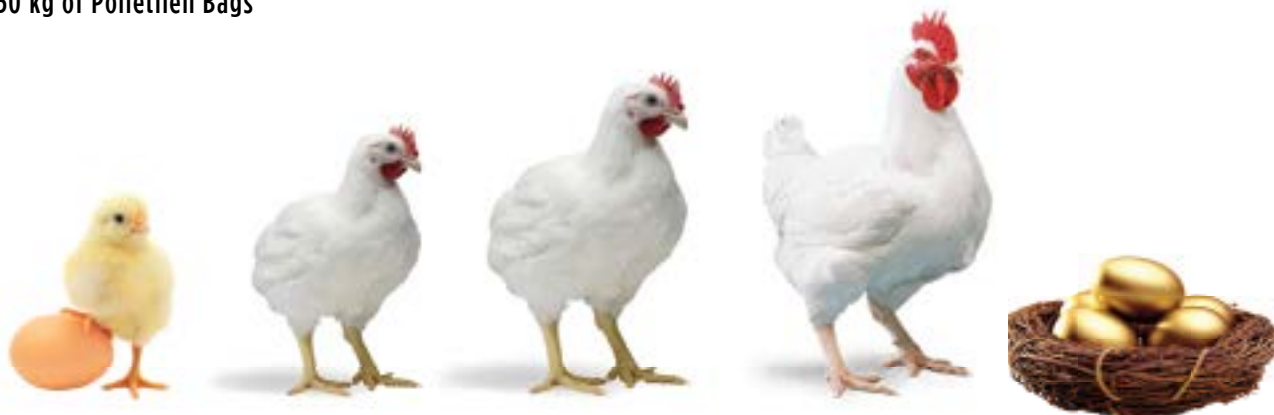
Your feed formulations will be revised actually based on the poultry and flock conditions.

USAGE:

SMART FEED CONCENTRATE (300 Kg, %30) should be mixed with maize or wheat (700 KG, 70%) for making a complete feed.

PORTIONS:

50 kg of Polietilen Bags





COMPLEX PREMIXES



**CUSTOMISATION
COMPLEX
PREMIX**

- **COMPLEX PREMIX - BROILER**
- **COMPLEX PREMIX - LAYER**
- **COMPLEX PREMIX - LAYER BREEDER**
- **COMPLEX PREMIX - LAYER CHICKEN**
- **COMPLEX PREMIX - BROILER BREEDER**

ADVANTAGES

Perfect formula for demand of feeding of tour special conditonned flock that previously evaluate by our experts.

No waste or production loss during feed preparing.

Energy, personel and time saving for your company.

Health promotion and profit increment.

Our company is responsible for giving you your feed formula and matrix values.

CONTENT

SMART COMPLEX PREMIXES have dinamic contents, and each is prepared special for your flock demand will wary from another one folock. The exact need of vitamins, minerals, amino acids, enzymes, growth enhancers, natural antimicrobials, trace elements, etc ...

DOSE:

Layer 25 kg / TON
Parents 25 kg / TON
Broiler 25 kg / TON

PACKING:

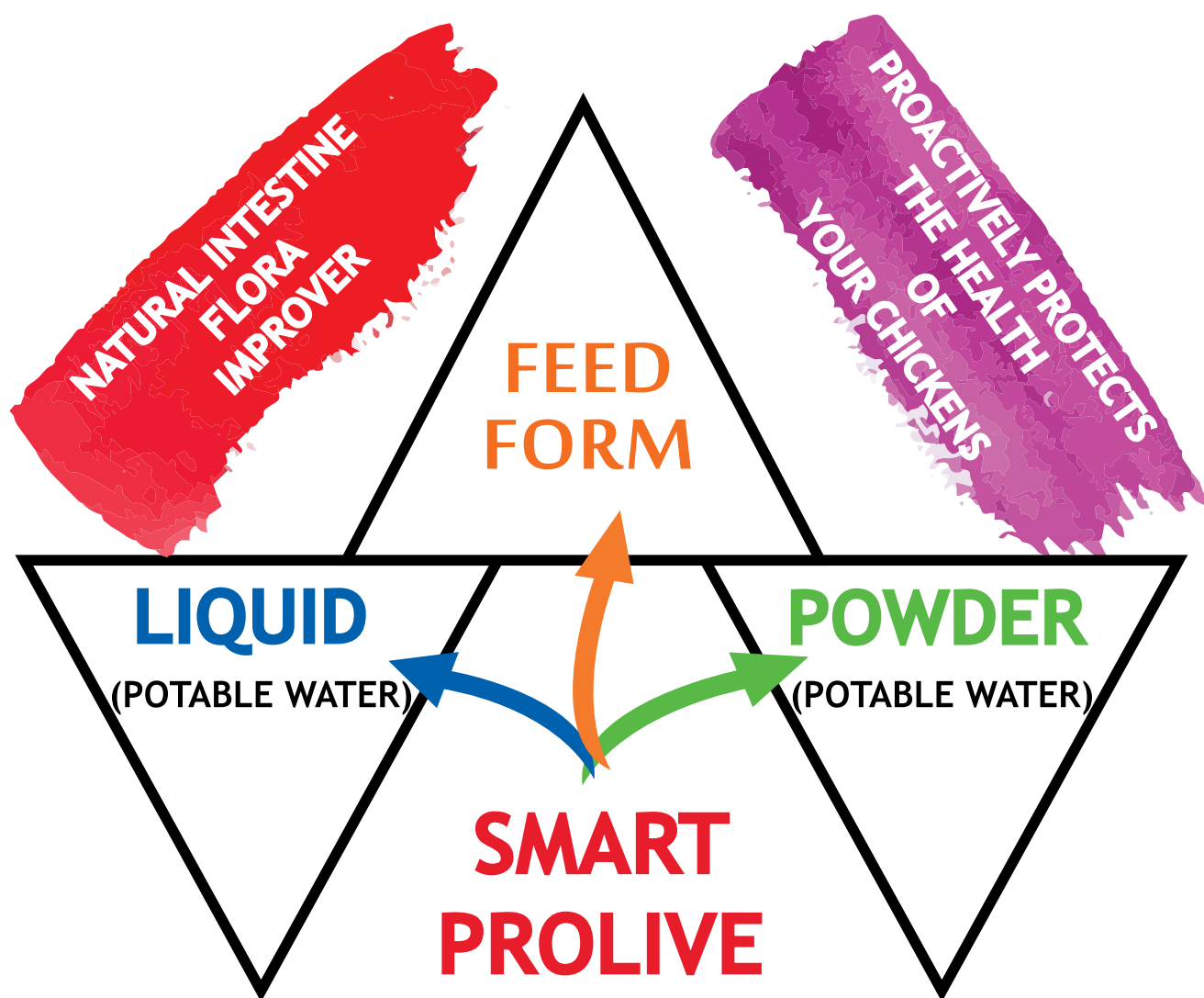
25 kg in craft bags





R&D PRODUCTS

PROBIOTIC





LIQUID (POTABLE WATER)

SMART PROLIVE LAYER

USAGE:

Jerrycans should be rinsed before using.

When added to the drinking water, the water must not contain chlorine and antibiotics.

It is given 1 Liter for 1 Ton water every day from the first day of chick for the first four weeks.

It is given by adding 0,5 Liter into 1 Ton water for one day between four and eighteen weeks, and then two-day break is given. So, if you give on Monday then you have to wait until Thursday, and then you have to wait until Sunday. This cycle continues between 4-18 week.

It is given by adding 0,5 Liter into 1 Ton water for one day between eighteen and one hundred twenty weeks, and then three-day break is given. So, if you give on Monday then you have to wait until Friday, and then you have to wait until Tuesday.

This cycle continues between 18-120 week.

When added to the feed, it is used by adding 0,5 lt to 1 ton feed with spraying method.

PACKING : 1 Lt, 5 Lt and 20 Lt in jerrycans.

SMART PROLIVE BROILER

USAGE:

Jerrycans should be rinsed before using.

When added to the drinking water, the water must not contain chlorine and antibiotics.

For the first 15 days, mix 1 liter of broiler for a ton of water before use.

From day 16 to 35 mix half a liter of broiler for a ton of water.

Between days 16 and 35 proceed mixing every other day.

PACKING : 1 Lt, 5 Lt and 20 Lt in jerrycans.

SMART PROLIVE BREEDER

USAGE:

Feed Usage: For per ton feed, 0,5 lt is used by spraying.

Usage in Drinking Water: It is used by adding 0,5 lt to 1 ton drinking water.

It should be used every day throughout the life of the animal for maximum benefit.

It can even be used with dosatron.

Bins should be rinsed before using.

When added to the drinking water, the water must not contain chlorine and antibiotics.

PACKING : 1Lt, 5 Lt and 20 Lt in jerrycans.

SMART Prolive LIQUID INGRIDIENTS

live microorganisms:
The most 1×10^{10} CFU/ml

Digestible protein: 5 %

Digestible sugar: 4 %

Other water soluble
organic substances: 1-3 %



POWDER

(POTABLE WATER)

SMART PROLIVE

Smart ProLive is a product which protects the gastrointestinal health in a natural way.

INTENDED USE:

Specially formulated for poultry.

Probiotic, prebiotic and enzyme supplements provide maximum protection to the digestive system.

Strengthens the immune system and increases resistance against diseases.

Reduces poultry house ammonia levels, thus preventing upper respiratory tract infections.

Egg yield increases and feed consumption decreases.

The rate of dirty and hidden cracks in eggs decreases.

Reduces abdominal adiposity and the fat in the body is homogeneously distributed to the meat, more del

Increases the effectiveness of vaccines.

Prevents problems such as undigested feed, intestinal damage, intestinal laziness.

Prevents raw discarding and Salmonella portability.

Supports economic cultivation and food safety as well as preventive and therapeutic applications.



INGREDIENTS (g/kg):

1. PROBIOTICS (10 g) : L. acidophilus, P. acidilactici, B. subtilis (each at least 1×10^{10} CFU/Kg). Includes adjunct and CE culture.

2. PREBIOTICS (300 g): Inulin (100 g), MOS (200 g),

3. ENZYMES (In 100 g conveyer): Xylanase (2,200.000 BXU/Kg), Cellulase (270.000 FPUi/Kg), Glucanase (100,000 FBG/Kg), Phytase (1.000.000 PPU/Kg),

4. CARRIER: Oligosaccharides (590 g).



USAGE: It is enough to give 50 g daily for 10.000 chicks and chickens.

During the day, it is given for 6-8 hours by adding into the water or feed.

PACKAGING: There are 50 gr * 20 pieces (1kg) in 1 box.



FEED FORM

SMART PROLIVE (FEED FORM)

Specially formulated for poultry.

Probiotic, prebiotic and enzyme supplements provide maximum protection to the digestive system.

Strengthens the immune system and increases resistance against diseases.

Reduces poultry house ammonia levels, thus preventing upper respiratory tract infections.

Egg yield increases and feed consumption decreases.

The rate of dirty and hidden cracks in eggs decreases.

Reduces abdominal adiposity and the fat in the body is homogeneously distributed to the meat, more delicious meat is obtained.

Increases the effectiveness of vaccines.

Prevents problems such as undigested feed, intestinal damage, intestinal laziness.

Prevents raw discarding and Salmonella portability.

Supports economic cultivation and food safety as well as preventive and therapeutic applications.

INGREDIENTS:

Probiotics:

L. Acidophilus 1×10^{10} CFU/g

P. Acidilactici 1×10^{10} CFU/g

B. Subtilis 1×10^{10} CFU/g

Prebiotics:

Inulin 100g/kg

MOS 200g/kg

Enzymes:

Xylanase 2,200,000 BXU/kg

Cellulase 270,000 FPUI/kg

Glucanase 100,000 FBG/kg

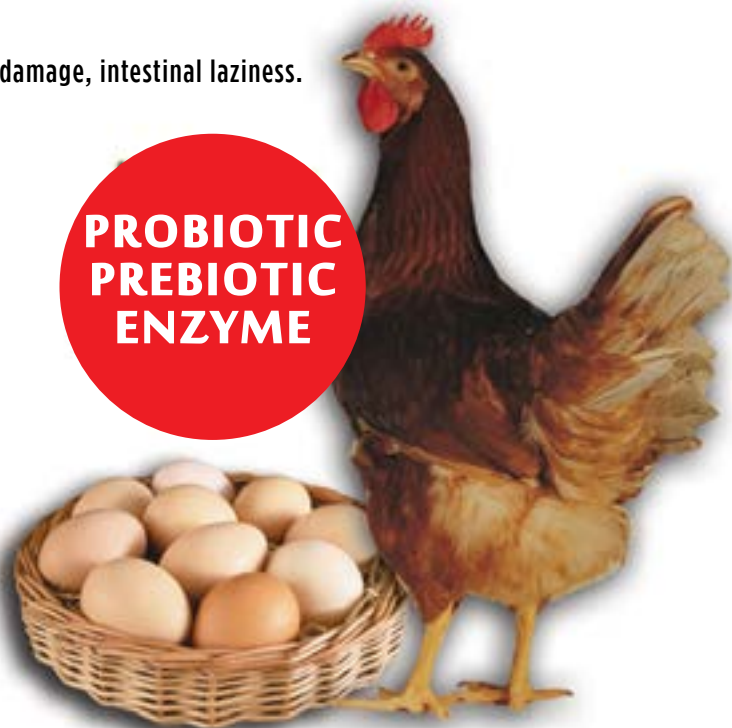
Phytase 1,000,000 PPU/kg

Conveyers:

CaCO₃ 590g/kg

USAGE : It is used by adding 500 g-1000 g/TON (500 g-1000 g per ton of feed) to the feed.

PACKAGING : 25 kg in a craft bag.





SMART VITAPLUS

VITAMIN - MINERAL - AMINO ACID - PREBIOTIC

VITAMIN A	30.000.000 IU/kg	D-BIOTIN	40 mg/kg
VITAMIN D3	5.000.000 IU/kg	CHOLINE CHLORIDE	1.000 mg/kg
VITAMIN E	30.000 mg/kg	ZINC	840 mg/kg
VITAMIN K3	10.000 mg/kg	COPPER	600 mg/kg
VITAMIN C	150.000 mg/kg	SELENIUM	20 mg/kg
VITAMIN B1	20.000 mg/kg	DL-METHIONINE	20.000 mg/kg
VITAMIN B2	25.000 mg/kg	Na PROPIONATE	50.000 mg/kg
VITAMIN B6	2.000 mg/kg	Mg SULFATE	10.000 mg/kg
VITAMIN B12	10 mg/kg	NaHCO3	300.000 mg/kg
FOLIC ACID	1.000 mg/kg	POTASSIUM CHLORIDE	17.400 mg/kg
NICOTINAMIDE	30.000 mg/kg	LACTOSE	282.090 mg/kg
D-PANTOTHENATE	10.000 mg/kg		

USAGE:

It is used by adding to the feed or the drinking water of poultry, ruminant and equine animals in order to meet the need of vitamin, minerals and amino acids and as a preservative.

It provides a homogeneous distribution by melting very easy with the effervescent feature.

*In poultry flocks, it is enough to give 50 g in a day for 10 tons live weight.

*In other animals, the following quantities are given daily for at least 3 days:

Up to 20 kg live weight: 1 g

For 20-50 kg live weight: 1,5 g

For 50-100 kg live weight: 2 g

For 100-200 kg live weight: 3 g

For 200 and above kg live weight: 4 g



PACKAGING: There are 50 gr * 20 pieces (1kg) in 1 box.





SMART MENTLIFE & SMART MENTLIFE PLUS

It plays an active role in the elimination of respiratory tract infections. It facilitates the excretion of viscous mucus secretion that cannot be excreted in the respiratory tract. By accelerating blood circulation, it supports the cleaning of the lungs.

The antiseptic property of thyme oil helps to remove toxins. It has a natural appetite stimulant feature and contributes to the increase in feed utilisation rate. It provides a relaxing effect in stress conditions such as temperature, ammonia, airlessness. Aromatic appetite stimulant.

INGREDIENTS

SMART MENTLIFE

Eucalyptus	40.000 mg
Peppermint Oil	15.000 mg
Thyme Oil	5.000 mg
Menthol	25.000 mg
CARRIER	
Demineralised water	qsp

SMART MENTLIFE PLUS

Eucalyptus	60.000 mg
Peppermint Oil	20.000 mg
Thyme Oil	5.000 mg
Herbal Extract Blend	15.000 mg
Menthol	40.000 mg
Demineralised water	qsp

DOSE:

For poultry, 200-300 ml is mixed with 1 tonne of drinking water and used for 4-5 days. As spraying, 200 ml / 15-20 It is sprayed on poultry with a back pump.

SMARTCID LIQUID PLUS

It helps to create the necessary environment for the prevention of bacterial colonisation.

Reduces the pH value of water.

Protects the intestinal flora of animals.

Improves the digestion of proteins.

Strengthens the immune system.

Increases enzymatic activity.

It is also used for disinfection of the water system and opening of clogged nipples.

With its use, there is a decrease in problems in poultry houses, increased performance in animals and

Provides quality drinking water during the production period.

Suppresses the development of pathogenic bacteria.

DOSE: Add 500-700 ml to 1 tonne of drinking water of poultry 1-3 days a week.



SMART RUMILIVE (FEED FORM)

Natural Gastrointestinal Microflora Improve

BENEFITS

The benefits of SMART RUMILIVE, a product supports gastrointestinal health and consequently overall health, are summarized below;

Early feed transition and growth thanks to a healthy rumen development.

Reduction in food indigestion thanks to a healthy rumen activity.

Increase in throughput performance and feed efficiency.

Resistance to diseases.

Decrease in diarrhea developed depending on the use of antibiotics or disease.

Increase in stool quality, reduction in the amount.

Increase tolerance to stress situations, such as food passage, vaccination, treatment, change of location, hot and cold.

Reduction in the risk of lactic acidosis.

INGREDIENTS

1. Probiotics (1% each bacterium $<1 \times 10^9$ CFU/g): *Lactobacillus casei*, *Pediococcus acidilactici*, *Enterococcus faecium*, *Propionibacterium freudenreichii* ve *Saccharomyces cereviceae*.

2. Bioferments (50%): *B. subtilis*, *L. acidophilus*, *Lactococcus lactis*, *Lactobaccillus casei*, *Pediiococcus acidilactici* *Enterococcus faecium*, *Propionibacterium freudenreichii* ve *Saccharomyces cereviceae*, *Leuconostoc mesenterium*, *Leuconostoc dextranicum*, *Bifidobacterium animalis*, *Megasphaera elsdenii* biopress products.

3. Enzymes (1%): Endo, 1,3 (4) beta-glucanase (2,350,000 FGB), Endo, 1,4 beta-glucanase (4,000,000 FGB), Endo, 1,4 beta-xylanase (20,000,000 BXU), Cellulase (270,000 BXU), Alpha-amylase (400,000 DU).

4. Supportive Substances (48%):

Smart Rumilive 50 g: Inactive yeast (*Saccharomyces cereviceae*) (30%) Maltodextrine (18%).

Smart Rumilive 25 g: Inactive yeast (*Saccharomyces cereviceae*) (10%) Bonkalite (20%), Calcium carbonate (18%)

USAGE:

SMART RUMILIVE PREMIX: 1 kg SMART RUMILIVE Premix is added into 1 TON of every ruminant feed and it benefits from a sustained protective effect.

SMART RUMILIVE: 4 gr in the shallows, 2 gr in the sheep and goats, is given once a day by adding to the feed or water.

PACKAGING: 25 kg in craft bag.



SMART RUMILIVE LIQUID

BENEFITS

The benefits of SMART RUMILIVE, a product supports gastrointestinal health and consequently overall health, are summarized below;

Early feed transition and growth thanks to a healthy rumen development.

Reduction in food indigestion thanks to a healthy rumen activity.

Increase in throughput performance and feed efficiency.

Resistance to diseases.

Decrease in diarrhea developed depending on the use of antibiotics or disease.

Increase in stool quality, reduction in the amount.

Increase tolerance to stress situations, such as food passage, vaccination, treatment, change of location, hot and cold.

Reduction in the risk of lactic acidosis.

INGREDIENTS

1. Probiotics (1% 1×10^{10} CFU/g): *L. acidophilus*, *L. rhamnosus*, *L. plantarum*, *Propionibacterium freudenreichii*, *L. casei ssp. casei*, *Bifidobacterium lactis*, *L. paracasei*, *Bifidobacterium longum*, *L. reuteri*, *Bacillus subtilis*, *L. Enterococcus faecium*

2. Organic Substances (5%): Protein, Carbonhydrate, Fat

3. Carrier (94%): Water.

USAGE:

Recommended dosage is 1 lt per 1 TON drinking water or 1 TON feed.

It is sufficient to give 30 ml once per day.

PACKAGING: 5 lt.





SMART BIYOLIVE (FEED FORM)

Calf, Lamb and Goat to Help Prevent and Treat Diarrhea

BENEFITS

SMART BIYOLIVE, is a product that supports the digestive system health of calves, lambs and goats and is summarized:

Supports the protection from early age diarrhea.

Supports healthy rumen development.

Supports early eating transition and early growth.

It helps to prevent early age losses.

Benefits from feed increase.

Increases resistance to diseases.

Food passages increase tolerance to stress conditions such as vaccination, treatment, hot, cold.

Reduce the risk of lactic acidosis.

INGREDIENTS

Probiotics (<1x10¹⁰ CFU/g, %1): *Lactobacillus casei*, *Pediococcus acidilactici*, *Enterococcus faecium*, *Propionibacterium freudenreichii* and *Saccharomyces cereviceae*.

Bioferments (50%): *B. subtilis*, *L. acidophilus*, *Lactococcus lactis*, *Lactobacillus casei*, *Pediococcus acidilactici*, *Enterococcus faecium*, *Propionibacterium freudenreichii* and *Saccharomyces cereviceae*, *Leuconostoc mesenterium*, *Leuconostoc dextranicum*, *Bifidobacterium animalis*, *Megasphaera elsdenii* bioprocess products.

Bioprocess products consist of microbial vitamins, amino acids, enzymes, oligosaccharides, immunostimulants, bacteriocins showing antimicrobial properties, organic acids, prebiotics and untested intestinal preservatives.

Prebiotics (49%): Ferment inactive yeast (30%), Fermented milk powder (19%) It doesn't contain a carrier.

USAGE: Smart Biyolive (50 g): It is recommended that calves, lambs and goats be fed everyday for 2 months from 3rd day of their lives.

For the calves; 20 g, 3 times a day

With the aim of supporting diarrheal treatment; 10 g, once a day

Newborn for 60 days from day 3.

Smart Biyolive (25 kg): It is used by adding 0.5 kg of 1 TON of calf, lamb and goat feed.

PACKAGING: 25 kg in craft bag.





SMART BIYOLIVE LIQUI

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USAGE: Recommended dosage is 1 lt per 1 TON drinking water or 1 TON feed. It is sufficient to give 30 ml once per day.

PACKAGING: 5 lt.







CORRECT CHOICE FOR HEALTHY HERDS

ProLive

PROBIOTIC
PREBIOTIC
ENZYME

NATURAL
GUT
FLORA
REGULATOR



ProLive Liquid



BREEDER



BROİLER



LAYER



List of Feed Additives Approved by the Ministry of Agriculture and Forestry						
Category	Functional Group	Substrate	Name of the Authorisation Holder	Additive	Composition, Chemical Formula, Description, Analytical Method	Animal Species or Category
4	5	Zooteknikal Additives /Gut Flora Replacers	Bakim Tercan Otarokul San. ve T. 885/20	Polioecoccus acidotholus 1x10 ¹⁰ CFU/g	Additive Composition: Polioecoccus acidotholus 1x10 ¹⁰ CFU/g KEEN 1000 assay (2.1x10 ¹⁰ CFU/g) in liquid form as a feed additive. Characterization of the Active Substance: Live cells of Polioecoccus acidotholus 1x10 ¹⁰ CFU/g KEEN 1000 assay. Analytical Method: The determination of the active substance in feed additive, feed materials, and water is performed using the Polioecoccus acidotholus Chem. Select Agar (Sigma 92321) spread plate method.	Broiler chickens Laying hens
4	5	Zooteknikal Additives /Gut Flora Replacers	Bakim Tercan Otarokul San. ve T. 885/20	Polioecoccus acidotholus 1x10 ¹⁰ CFU/g	Additive Composition: Polioecoccus acidotholus 1x10 ¹⁰ CFU/g KEEN 1000 assay (2.1x10 ¹⁰ CFU/g) in liquid form as a feed additive. Characterization of the Active Substance: Live cells of Polioecoccus acidotholus 1x10 ¹⁰ CFU/g KEEN 1000 assay. Analytical Method: The determination of the active substance in feed additive, feed materials, and water is performed using the Polioecoccus acidotholus Chem. Select Agar (Sigma 92321) spread plate method.	Broiler chickens
4	5	Zooteknikal Additives /Gut Flora Replacers	Bakim Tercan Otarokul San. ve T. 885/20	Polioecoccus acidotholus 1x10 ¹⁰ CFU/g	Additive Composition: Lactobacillus acidophilus 1x10 ¹⁰ CFU/g KEEN 1007 assay (2.2x10 ¹⁰ CFU/g) in liquid form as a feed additive. Characterization of the Active Substance: Live cells of Lactobacillus acidophilus 1x10 ¹⁰ CFU/g KEEN 1007 assay. Analytical Method: The determination of the active substance in feed additive, feed materials, and water is performed using the Lactobacillus acidophilus Chem. Select Agar (Sigma 92325) spread plate method.	Laying hens



**PROBIOTICS APPROVED
BY THE MINISTRY !**

www.tarimorman.gov.tr >Ministry-Approved Feed Additives List



Agriculture Products Industry and Trade Ltd. Company



Head Office & Factory

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