



# PREMIXES



**BIOVIT**  
SUCCESS  
IN BREEDING

# BIOVIT

**VITAMIN AND MINERAL PREMIXES**



## SPECIALLY ENRICHED PREMIXES

Proper nutrition of animals is an essential premise for the proper growth, development and health of animals. It should provide all the nutrients to the animal, according to its physiological state.

Proper nutrition improves animal health, increases consumption and efficiency of food usage, stimulates certain physiological processes in the body, and thus improves the production and quality of the obtained product. Lack of vitamins and minerals in the diet causes serious health and psychological disorders, which further leads to the decrease of production results.

Today's modern production is impossible and inconceivable without adding vitamin-mineral premixes into complete and supplement feed mixtures.

The amount of minerals and vitamins in the diets of domestic animals depends on their needs or animal species, age category, production levels, diet composition, soil composition, plant species and other factors.

We emphasize that excessive amounts of some vitamins and minerals can cause negative effects at animals. Excessive dosage of certain ingredients can lead to poisoning or an excessive dosage of one component may cause the deficiency of another.

In order to ensure maximum animal production results and avoid any negative effects, it is necessary that concentration and ratio of vitamins and minerals to be ideal.

Our vitamin-mineral premixes "**BIOVITS**" are produced from the highest quality raw materials in one of the most modern plants in Serbia, where the error in measuring and mixing is almost impossible. **BIOVITS** are produced as one percent or multi-percent premixes of standard or specially enriched (VSO) quality.

Specially enriched premixes have increased content of vitamins and minerals, containing acidifies, enzymes, probiotics and flavors. When used for piglets, it contains whey powder, dextrose and potato proteins that are characterized by exceptional nutritional qualities.

# PIGS



**BIOVIT VSO  
PIGGY START 10%**

**Piglets  
up to 20 kg of weight**

**BIOVIT VSO  
PIGGY LIFE 4%**

**Piglets  
up to 30 kg of weight**

**BIOVIT VSO  
HIGH GROWTH 3%**

**Fattening pigs  
from 30kg  
up to 110 kg of weight**

**BIOVIT VSO  
KDSN 5%**

**Lactating sows,  
Pregnant sows and  
Boars**



# BIOVIT VSO – PIGGY START 10% premix for piglets up to 20 kg



Product features	Effects
Contains easily digestible potato proteins	Healthy, resistant and well developed piglets
Optimum ratio of amino acids: lysine, methionine, threonine and tryptophan	Decreased risk of diarrhea and death of piglets in the period of lactation and weaning
Optimum ratio of: vitamins, micro and macro elements	Easy weaning, bigger weight at weaning with well balanced weight of litter
Contains enzymes: phytase, beta- glucanase and beta- xylanase	Pleasant taste and smell- improves food consumption in the first days of piglets' life
Contains probiotic	High digestibility and high exploitation of nutrients – good weight gain and conversion
Contains acidifier	Efficiency in fighting pathogenic bacteria: E. Colli, K. Pneumoniae, Staphylococcus, Lactobacilus Salivarius...
Contains flavor	Reduction of Ammoniac, leading to significant reduction of respiratory disease
	Reduced costs of medical treatment
	Food conservation and reduction of mold, mildew and pathogenic bacteria in food

**BIOVIT VSO PIGGY STAR 10%**  
is a specially enriched  
vitamin mineral  
premix for preparing  
complete feed  
for suckling piglets  
from the fifth day of  
growth up to 20 kg of  
weight.

Mixture suggestion	Piglets to 15 kg		Piglets 15- 20 kg	
Corn [kg]	33	44	42	35
Wheat, barley [kg]	30	20	20	30
Ekolak plus milk substitute [kg]	10	-	-	-
Soybean cake 38%- Bioprotein [kg]	17	15	28	15
Soybean meal 44% [kg]	-	11	-	10
BIOVIT VSO-PIGGY START 10%	10	10	10	10
<b>TOTAL</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>



# BIOVIT VSO – PIGGY LIFE 4%

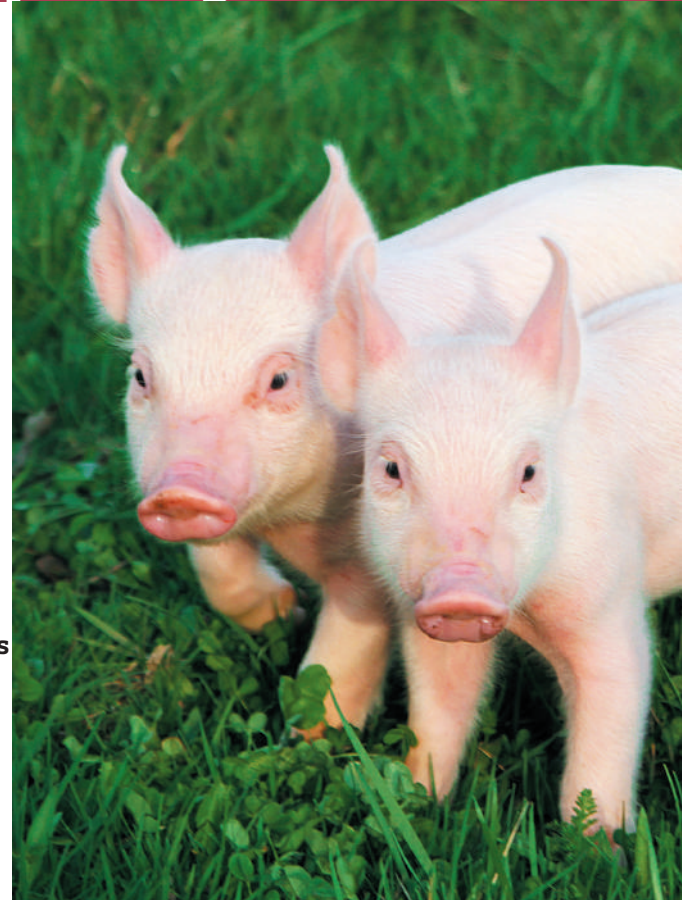
## premix for piglets up to 30 kg

Product features	Effects
Optimum ratio of amino acids: lysine 10%, methionine 3%, threonine 3%	Pleasant taste and smell – improves food consumption
Optimum ratio of: vitamins, micro and macro elements	High daily growth and good food conversion
Contains enzymes: phytase, beta- glucanase and beta- xylanase	Healthy, resistant and well- shaped piglets
Contains flavor	Balanced body mass of piglets
	Excellent preparation for feedlot
	Bigger profit



Mixture suggestion	Piglets 15– 20 kg	
Corn [kg]	34,5	37
Wheat, barley [kg]	30	30
Soybean cake 38%- Bioprotein [kg]	31,5	15
Soybean meal 44% [kg]	-	14
BIOVIT VSO-PIGGY LIFE 4% [kg]	4	4
<b>TOTAL</b>	<b>100</b>	<b>100</b>

**BIOVIT VSO PIGGY LIFE 4% is a specially enriched vitamin mineral premix for preparing complete feed for piglets from 20 kg up to 30 kg of weight.**







# BIOVIT VSO – KDSN 5% premix for lactating sows

	Effects
Optimum ratio of amino acids	Pleasant taste and smell- improves food consumption
Optimum ratio of: vitamins, micro and macro elements	Excellent milkiness
Contains enzymes: phytase, beta- glucanase and beta- xylanase	Greater number of born and weaning piglets
Contains flavor	Greater weight mass at birth and weaning
	Uniform litter, healthy and vigorous piglets
	Excellent vitality and health condition of sows
	Good health condition of hoofs and joints

**BIOVIT VSO- KDSN 5%**  
is a specially enriched vitamin mineral premix for preparing complete feed for lactating sows, pregnant sows and boars.

Mixture suggestion	Lactating sows and boars		Pregnant sows	
Corn [kg]	59,5	44	34,5	38
Barley [kg]	-	30	30	25
Soybean cake 38%- Bioprotein [kg]	19,5	-	4,5	-
Soybean meal 44% [kg]	-	21	-	4
Sunflower meal 33% [kg]	6	-	8	8
Wheat bran [kg]	10	-	18	20
BIOVIT VSO-KDSN 5%, kg	5	5	5	5
<b>TOTAL</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>



# POULTRY



**BIOVIT VSO-KNK 1,25%**

**Egg- laying hens - consume**

**BIOVIT VSO-TPSG 4%**  
**(Kokc.+Enz.+)**

**Feedlot of chickens  
up to 35 days of growth  
STARTER AND GROWER**

**BIOVIT VSO-TPF 4%**  
**(Enz.+)**

**Feedlot of chickens from  
35th day of growth  
FINISHER**





# BIOVIT VSO – KNK 1,25%

## premix for hens–layers of consuming eggs

### BIOVIT VSO– KNK 1, 25%

is a specially enriched vitamin mineral premix used for preparing complete feed for hens–layers of consuming eggs.

Product features	Effects
Optimum ratio of amino acids	Healthy egg– laying hens
Optimum ratio of: vitamins, micro and macro elements	High egg– laying capacity
Contains enzyme phytase	Big, heavy and clean eggs with solid eggshell
Contains flavor	Nice yolk color
	Higher profit

Mixture suggestion	Hens–layers from 18 up to 52 weeks old		Hens–layers from 52 weeks old to exploitation end	
Corn [kg]	55	58	57	61
Vegetable oil [kg]	1	2,25	1	1,5
Sunflower meal 33% [kg]	12	10	14	10
Soybean cake 38% –Bioprotein [kg]	21	–	17	–
Soybean meal 44% [kg]	–	19	–	17,5
Limestone [kg]	9,75	9,5	9,75	8,75
BIOVIT VSO–KNK 1,25% [kg]	1,25	1,25	1,25	1,25
<b>TOTAL</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>





# BIOVIT VSO-TPSG 4% (Kokc.+Enz.+) premix for STARTER & GROWER- chickens fattening



## BIOVIT VSO-TPSG 4% (Kokc. + Enz.+)

is a specially enriched vitamin mineral premix used for preparing complete feed for broiler chickens up to 35 days old.

Product features	Effects
Optimum ratio of amino acids: lysine, methionine , threonine and tryptophan	High daily growth
Optimum ratio of: vitamins, micro and macro elements	Excellent food conversion
Contains enzymes: phytase, beta- glucanase and beta- xylanase	Excellent meat quality
Contains flavor	Balanced body mass of chickens at slaughtering
	Low mortality, good immunity and health condition of broilers
	Bigger profit

Mixture suggestion	Chicken fattening from 1 to 21 days old		Chicken fattening from 22 to 35 days old	
Corn [kg]	50	54	59	62,5
Soybean cake 38% -Bioprotein [kg]	46	-	36	-
Soybean meal 44% [kg]	-	39	-	30,5
Oil [kg]	-	3	1	3
BIOVIT VSO-TPSG 4% [kg] (Kokc.+Enz.+)	4	4	4	4
<b>TOTAL</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>

\* This premix contains coccidiostats, so it is forbidden to use it one day before slaughtering. This supplement contains certain ionophores: simultaneous use of similar drug substance (tiamulin) can cause contraindications. This premix is harmful for equids.



# BIOVIT VSO-TPF 4%-(Enz.+) premix FINISHER- chicken fattening

**BIOVIT VSO-TPF 4% (Enz.)**  
is a specially enriched vitamin mineral premix for preparing complete  
feed for broiler chickens more than 35 days old.

Product features	Effects
Optimum ratio of amino acids: lysine, methionine and tryptophan	High daily growth
Optimum ratio of: vitamins, micro and macro elements	Excellent food conversion
Contains enzymes: phytase, beta- glucanase and beta- xylanase	Excellent meat quality
Contains flavor	Balanced body mass of chickens at slaughtering
	Low mortality, good immunity and health condition of broilers
	Bigger profit

Mixture suggestion	Chicken fattening from 35 days old	
Corn [kg]	65	67,5
Soybean cake 38% -Bioprotein [kg]	30	-
Soybean meal 44% [kg]	-	25,5
Oil [kg]	1	3
BIOVIT VSO-TPF 4% - (Enz.+) [kg]	4	4
<b>TOTAL</b>	<b>100</b>	<b>100</b>



# RUMINANTS



**BIOVIT VSO  
UNIVERZAL 2,5%**

Premix for calves fattening

**BIOVIT VSO  
KM 5%**

Premix for milking cows



# BIOVIT VSO-UNIVERZAL 2,5%

## premix for calves fattening

**BIOVIT VSO-UNIVERZAL 2, 5%**  
is a specially enriched vitamin mineral premix used for preparing  
complete feed for fattening calves.

Product features	Effects
Optimum ratio of: vitamins, micro and macro elements	High daily growth over 1,300 g- shorter period of fattening
Contains flavor	Excellent food conversion- lower food consumption
	Good meatiness and the quality of meat
	Excellent health condition of animals
	Bigger profit

Mixture suggestion	Fattening of calves from 250 kg to 350 kg		Fattening of calves over 250 kg	
Corn [kg]	49,5	59	48	60
Wheat, barley [kg]	10	-	15	-
Soybean cake-Bioprotein 38% [kg]	-	5	-	-
Sunflower meal 33% [kg]	18	13,5	8	10
Wheat bran [kg]	20	20	26	27
BIOVIT VSO-UNIVERZAL 2,5% [kg]	2,5	2,5	3	3
<b>TOTAL</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>





# BIOVIT VSO-KM 5%

## premix for milking cows



### BIOVIT VSO-KM 5%

is a specially enriched vitamin mineral premix used for preparing complete feed for milking cows.

Product features	Effects
Contains optimum ratio of: vitamins, micro and macro elements	Increases milk levels and the quality of milk- lower number of somatic cells in milk
Contains highly- exploitative (chelate) organic minerals	Lowers and neutralizes levels of myco toxins and prevents the growth and reproduction of mould
Contains the absorbent of myco toxins	Adjusts the acidity in the tripe
Contains probiotic	Improves fertility and regular estrus
Contains flavor	Lowers the danger of joints and hoofs disease
	Excellent health condition of animals
	Bigger profit

Mixture suggestion	Milky cows 18%, over 20L of milk per day	
Corn [kg]	46	37
Wheat [kg]	-	10
Soybean cake 38%-Bioprotein [kg]	17	15
Sunflower meal 33% [kg]	17	18
Wheat bran [kg]	15	15
BIOVIT VSO-KM 5% [kg]	5	5
<b>TOTAL</b>	<b>100</b>	<b>100</b>





**Production:**

# **BIOPROTEIN AD**

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