

Pro-Poul™

Probiotic for Poultry

Nutritious

Pro Poul™ fortifies intestinal microflora of broilers and laying hens by competitive exclusion and antagonism resulting in increased digestive enzyme activity, improved feed intake and decreased ammonia production.



Pro-Poul™

Impact of PRO POUL™ Probiotic on Productive Performance of Broilers under Farm Conditions



Composition:

BACTERIAL STRAINS	
Strain name	Concentration (CFU/kg)
Lactobacillus plantarum MBS-LP-01	5 x 10 ¹²
Enterococcus faecium CCM 6226	
Bacillus subtilis MBS BS 01	
ENZYMES (IU/kg)	
Alpha amylaze	1000
Beta xylanase	8000
Beta glucanase	5000
Protease	1000
ORGANIC ACIDS (mg/kg)	
Acetic acid	5000
Formic acid	2000
Citric acid	4000
Propionic acid	4000
MINERALS (mg/kg)	
Magnesium sulphate	800
Potassium phosphate	500
Sodium sulphate	600
Calcium chloride	200

Recommended use

Application	Unit	Species	Dosage	
			Maintenance	During treatment
Mixed in the complete feed	1 kg/ton	Broiler	1 kg/ton	2 kg/ton
		Laying Hen	1 kg/ton	2 kg/ton

KEY BENEFITS

- Increases the utilization of feed
- Strengthens the immune system
- Suppresses the reproduction of pathogens
- Enriches the intestinal flora
- Decreases feed conversion ratio

Shelf-life and storage conditions

24 months. Keep it in a dry place at room temperature below 25 °C, avoiding the exposure to sunlight.

Heat Stability

Cells are microencapsulated. They resist up to 95 °C for 15 min.

Package size

5 and 25kg bags.

Introduction

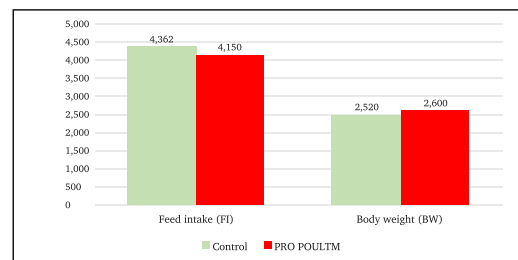
The establishment of a beneficial microflora in early live stages and its maintenance during the whole production circle of broilers is crucial to have healthy and well-performing birds. The goal of this trial was to check the effectiveness of a probiotic PRO POUL™ in colonizing the intestine of broilers and delivering adequate productive parameters.

Materials and Methods

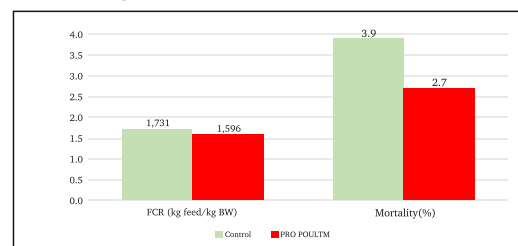
The trials were carried out at the broiler farm of Akta Tavukculuk in Kocaeli in Turkey during September – October 2022. The birds were divided into 5 groups of over 5,000 chickens. The probiotic PRO POUL™ was added to the drinking water in a dosage of 500 g of product in 1,000 L of water (dosage of 1 x 10⁹ cfu/1000 L of drinking water). Previously, the product was mixed in 10 L of water to increase its solubility. The product was administered over the first 4 weeks of life. The parameters under study were feed intake (FI), weight gain (WG), Feed Conversion Ratio (FCR; quotient FI/ WG) and mortality. At the end of 5th week and till the end of the 6th (end of the production circle), the administration of the probiotic was interrupted but FI and WG were further recorded. The water and the complete feed was offered ad libitum.

Results

The results of the trial with broilers are presented in the graphics 1 and 2. The first one shows how the supplementation with PRO POUL™ impacted the FI and the WG. Despite the decrease in the FI of the treated group (-5.1 %), the WG notably improved by the use of PRO POUL™ by 3.1 % compared with the control treatment. This has a direct impact on the FCR (Graphic 2): the FCR of the PRO POUL™ treatment improved by 8.4 % vs. control treatment. Also the mortality was decreased when using PRO POUL™, by 44 % (Graphic 2).



Graphic 2: Feed Conversion Rate (FCR) and mortality of broilers supplemented or not with the probiotic PRO POUL™



Graphic 2: Feed Conversion Rate (FCR) and mortality of broilers supplemented or not with the probiotic PRO POUL™

Conclusions

After going through the results of the trial, it can be concluded that the supplementation with the probiotic PRO POUL™ can considerably improve the production parameters of broilers, like growth, FCR and mortality.