

BioPlus 2B
Efficacy Trials - Broilers



Effect of BioPlus 2B on broilers Performance (Arian breed)

Location:

Jalali brother's farm, Mardabad, Karaj, Iran.

Date of trial:

From 16.12.1380 (06.03.2002) up to 06.02.1381(25.04.2002).

Totally 50 days.

Materials and methods:

Broilers were divided in 2 groups. The first groups including 10648 broilers were received BioPlus2B and second group including 10848 broilers as control group did not used BioPlus2B.

Ingredients and analysis of diets

Ingredients (%)	Starter(to 14 days)	Grower & Finisherb (15 to 50 days)
Corn (8.5%)	54	56
Soybean meal (44%)	35.75	35.75
Fish meal (64%)	4	2
DCP (17%)	1.7	1.8
Calcium Carbonate	0.9	0.75
Soybean oil	2.5	2.5
Premix (Vit & Min)	0.5	0.5
Salt	0.3	0.3
DL- Methionine	0.09	0.07
Vit D3	0.1	0.1
Vit E	0.1	0.1
Vit C	0.05	0.05
Vit B complex	0.1	0.1
Salinomycine (12%)	0.05	0.05
Total	100.14	100.06

<i>Analysis</i>		
CP (%)	23.01	21.94
ME(kcal/kg)	3004.81	3084.81
Fiber (%)	3.25	3.14
Ca (%)	1.03	0.91
Total Phosphors (%)	0.78	0.75
Nacl (%)	0.69	0.62
Met (%)	0.5	0.45
Met + Cys (%)	0.88	0.88
Lys (%)	1.33	1.2
Try (%)	0.29	0.25
Fat (%)	4.21	4.05

Consumer group had been feed by one kg BioPlus 2B per ton diet for the first 28 days and for the remain time up to the end of trial had received 400 gram BioPlus 2B per ton.

We had totally 7 saloons, 3 saloon control groups, 3 saloon BioPlus 2B user groups and every 2 saloon (1 control group , 1 BioPlus 2B group) has similar dimension and facilities and we took one saloon as hospital, because during trial we had faced to spreading influenza which caused too much problems and it was necessary. However, with due regard to above elements the following result has been achieved.

Unfortunately , due to serious infection of area due to influenza and having not suitable vaccine for providing reliable immune and in spite of treating them with oily and vaccine in the first possible time (day 5th), this disease caused high mortality during whole trial. Anyhow we continued trial and the result we have received is shown in below table.

BioPlus 2B group

number of salon	number of chickens	Mortality (%)	feed intake(kg)/bird	body weight(kg)	FCR
1	3107	21.20%	3.789	1.693	2.238
3	2792	33.50%	3.477	1.81	1.921
9	4749	23.30%	3.605	1.854	1.944
Mean of group	10648	26.00%	3.624	1.786	2.034

Control group:

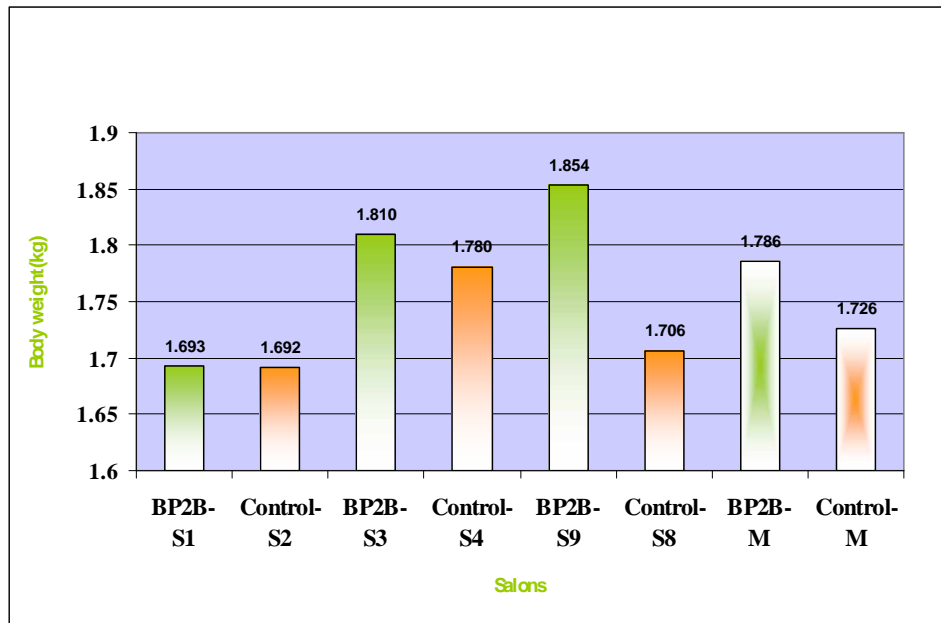
number of salon	number of chickens	Mortality (%)	feed intake(kg)/bird	body weight(kg)	FCR
2	3269	18%	3.797	1.692	2.244
4	2783	28.90%	3.793	1.78	2.131
8	4796	21.70%	3.89	1.706	2.28
Mean of group	10848	22.86%	3.827	1.726	2.218

As you observe this disease caused more than 26% mortality in BioPlus 2B group and approx 23% mortality in control group. Although, since there was 28.9 % mortality in saloon 4 control group, therefore, it seems mortality does not related to using BioPlus 2B.

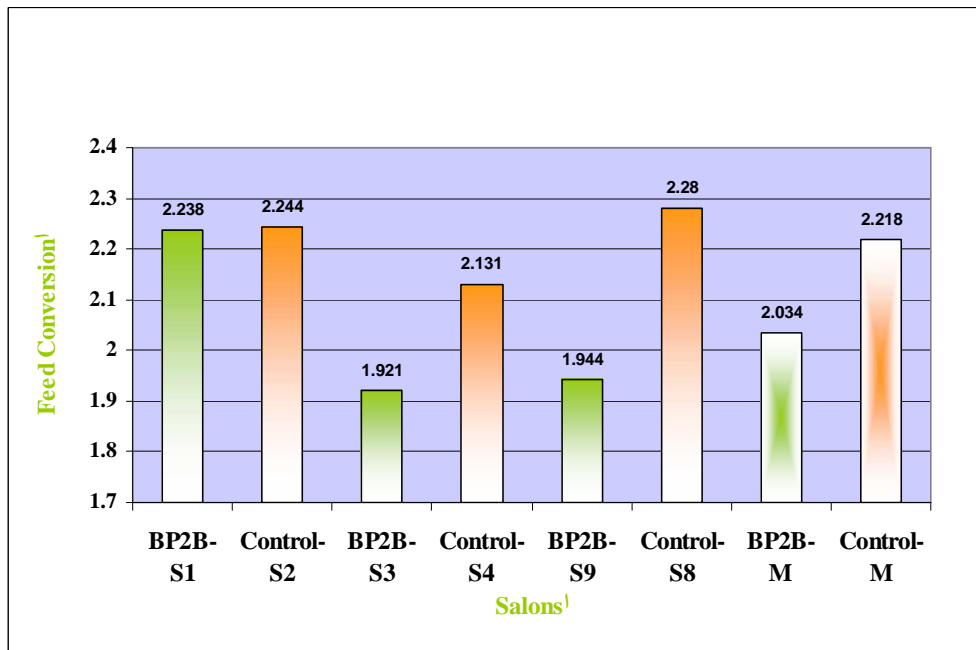
Considering feed result, there was fundamental difference of body weight and feed conversion in BioPlus 2B group and control group.

Feed intake of BioPlus 2B group were 203 gram less than control group but excess final weight of 60 grams has been seen, also feed conversion in BioPlus2B group was 184 units less than control group.

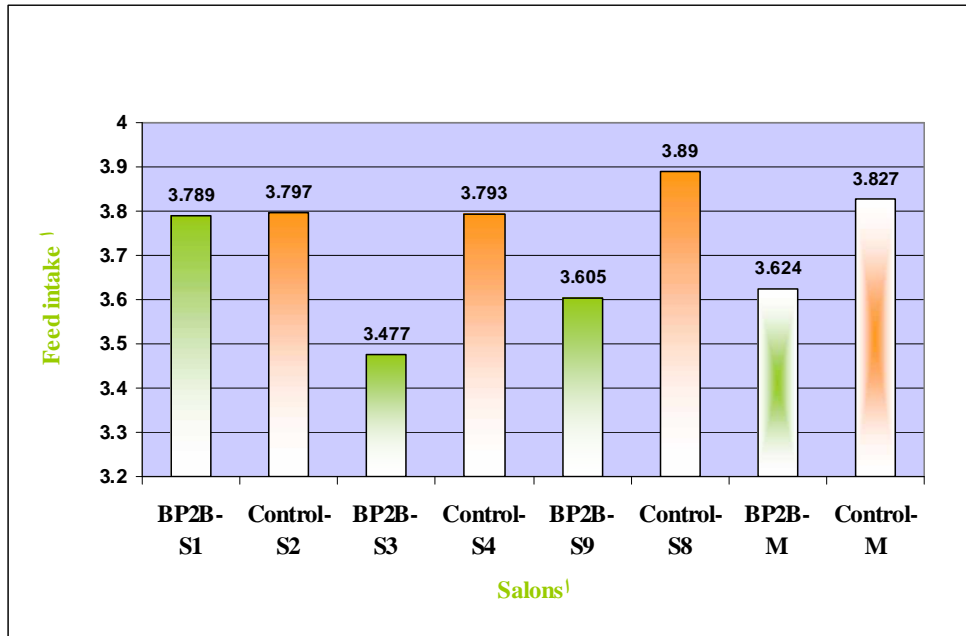
Effect of BioPlus 2B on Body weight



Effect of BioPlus 2B on feed conversion rate



Effect of BioPlus 2B on feed intake



Effect of BioPlus 2B on mortality

