HERBANOPLEX CP

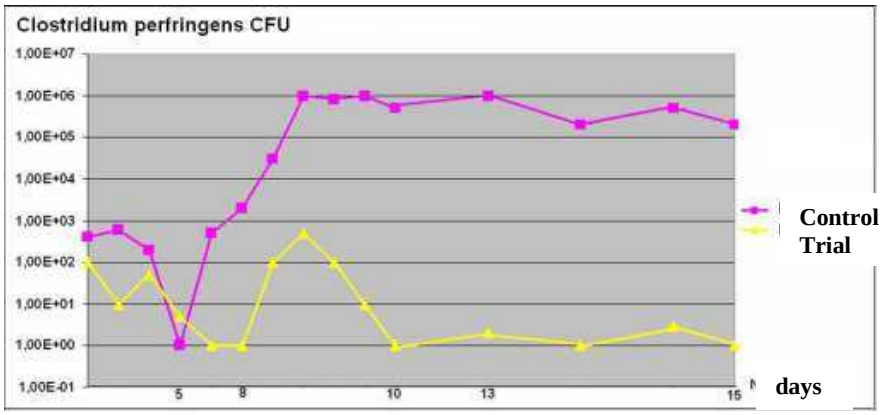
feed base mix for the prevention of Necrotic Enteritis (NE) in chickens

The feed base mix was developed to prevent financial losses caused by necrotic enteritis, and to effectively reduce incremental losses of poultry flock due to foot-pad dermatitis, appearing as an upshot of NE caused by Clostridium perfringens A and C (anaerobic, biologically active, toxin-producing, endospore-forming bacteria). The active ingredients of the mix include carob bean *(Ceratonia siliqua)*, which has bactericidal properties, and ground wheat germ, which has significant antimicrobial, bactericidal, immune-stimulatory and anti-oxidant properties.

Mechanism of action of **HERBANOPLEX CP**

The intestine flora of even healthy poultry contains a very small number of facultative pathogenic microorganisms (0.01% of the total microflora, Lee 2002). As a consequence of additive external (husbandry, feed, stress) and internal (age, induced specific yield growth, impairment of the immune system) predisposing factors, there is an increase in the percentage of these facultative pathogenic microorganisms in the intestine flora. This, in turn, results in an increase in toxin production (enterotoxaemia) and can trigger digestive diseases (e.g. necrotic enteritis caused by Clostridium perfringens A and C).

The active ingredients in **HERBANOPLEX CP** effectively inhibit the growth of the above facultative pathogenic microorganisms in the intestine flora, nourish the intestinal mucosa, facilitate the absorption of nutrients, strengthen the immune system, consequently, improve overall resistance to disease in poultry.



*The effect of **A HERBANOPLEX CP** on chicken infected with Clostridium perfringens A and C in tests on small flocks.*

Predisposing factors which upset the healthy balance of the intestinal flora:

- inadequate husbandry technology and treatment:
  - high-density stocking,
  - poor hygienic conditions,
- induced specific yield growth,
- inadequate diet to genetic endowment:
  - lack of fibre ,
  - high level of easy to digest fibre (starch) in the feed,
  - high level of protein in the feed (protein overfeeding),
  - toxic shock,
  - weakened immune system,
  - lack of efficient prevention against coccidiosis,
  - lack of restoration in the disintegrated intestinal flora.

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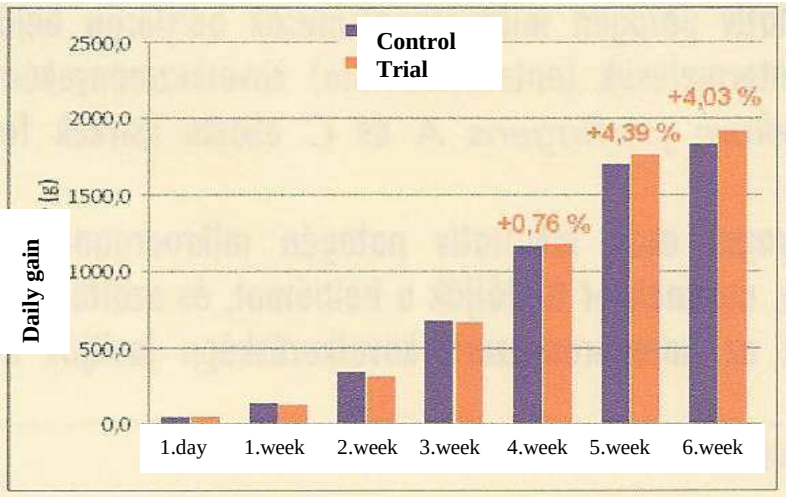
Stress due to inadequate conditions in poultry husbandry contributes to a loss in the balance of intestine flora, which leads to the proliferation of facultative pathogenic microorganisms and consequently, to digestive disorders. One intensely detrimental condition is necrotic enteritis (NE) caused by Clostridium perfringens A and C.

Benefits of **HERBANOPLEX CP**

- dramatic reduction in the number of diarrhoeic infections originating from necrotic enteritis,
- reduced medication expenses due to a reduction in the need for pre- and probiotic treatments,
- improved production index:
  - poultry more content,
  - improved specific yield growth,
  - improved specific feed conversion,



*Effect of **HERBANOPLEX CP** on average bodyweight during the grower period in a large-scale broiler testing (g)*

- reduced level of ammonia present in the barn,
- improved bedding quality,
- decrease in the number of foot-pad dermatitis cases within the stock,
- reduced mortality,
- improved profit production potential,
- no resistance to be developed to the formula!

Fattening	1.week	2.week	3.week	4.week	5.week	6.week	**average**
Control	97,5	78,3	62,7	53,6	37,1	36,1	60,8
Trial	89,0	71,6	70,5	56,6	41,5	44,7	**62,3**

*The effect of **HERBANOPLEX CP** on average daily biological bodyweight growth in a large-scale industry test (%)*
(average daily biological bodyweight growth / initial average bodyweight 0.75)

Dosage:

HERBANOPLEX CP for the prevention of necrotic enteritis in all age groups with continuous feed:

Broiler: 1kg/t mixed-feed,

Laying hens: 1kg/t mixed feed.

The formula can be combined with any medication.

Not soluble in water.

Package: 25kg foil lined paper bag.

Food and health safety withholding period: None!

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