



Gut health and current raw material scenario



Current surge in prices of raw material has challenged poultry producer for a right balance of 'Price' & 'Quality' of feed, to grow a healthy chicken at best economic performance.

The challenge has been handled very well by nutritionist to face the soya crisis. Different approaches have been adopted by poultry producer which anticipating the challenges, still need to be extra cautious on gut health. The use of NSP & protease enzymes, multi-toxin binders along with active microbial and AGPs has been practiced minimizing the economical, nutritional and health challenge.

Raw material

Current issues

Broiler & Layer formulation is all about economics !

- Disparity in growth of agriculture (3%) & poultry industry (6%)
- In 2021 higher export in soya seed has pressurized soya DOC prices.
Weekly Feed Ingredients Market Monitor_Jul15_2021
- Next couple of quarters, there are less chances of softening of SBM prices.
Weekly Feed Ingredients Market Monitor_Jul15_2021
- Future strategies must rely on finding alternate sources.
- The alternate raw materials will be inherently used in poultry formulation.

Pattern of usage of alternates

Current practices

- Need to look beyond the 'nutrients' and 'price' in alternate raw materials. As they come with a challenge of variability, nutrient digestibility, &

palatability, continuous supply and anticipated performance impact.

- Adulteration in alternate RM's has been becoming a costly affair to poultry producer.
- Need to look for mycotoxins, chemical analysis, dig. amino acid analysis, heavy metals- intermittently.

Possible impact on gut health

- There is increased practice of usage of either more than one AGP or increased dose of AGP in different phase of diets.
- Currently increased incidences of indigested feed, watery droppings, increased soiled eggs at the field level, loss of performance, may or may not be with enteritis, or mixed symptoms from field is noticed
- Current Cost of gut health programs increased, which need a right strategy to minimize the loss.

Strategies adopted to reduce impact

- Major focus on minimizing the predisposing factors responsible for imbalance of gut microbiota, mycotoxicosis and impact of antinutritional factors.
- Need to use more specific active microbial, against the *Clostridium* pathogens.
- Look for stabilization of microbiota, inside the gut, with the use of right probiotic and a right gut acidifier having lowest 'B value'.
- To minimize of damage to the intestinal integrity, which can be protected with 'sustained release' butyric acids.
- Strategies to adopt to keep birds' defense mechanism on high alert, with the addition of algal based linear 1,6 beta glucans

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