

Available Amino acids and True Metabolisable Energy in the Local Feedstuffs



**Feed Technology Unit at NARC
(Established. 1986)**



Metabolic Cages for Chickens at ANP



Amino acid facility at ANP

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Challenge:

- The available amino acid profile and true metabolisable energy in the local feedstuffs for poultry was not known through 1998.
- The availability of amino acids and true metabolisable energy content in individual feed ingredients has to be known for taking full advantage of modern principals of feed formulation. Knowledge on amino acid availability is also important for reducing nitrogen emissions from poultry droppings to the environment.

PARC Intervention:

- The Animal Nutrition Programme tested important feed ingredients for assessment of amino acid availability for broilers. Additionally, the true metabolisable energy in these feed stuffs was also investigated.
- A PhD thesis and two scientific papers on this issue were published, making PARC as the pioneer in establishing the available amino acid content of the locally available feed stuffs.

Outcomes:

- More than 25% of the poultry feed millers are consistent users of this information for formulation of their commercial feed.

Way Forward:

- Assessment of the available amino acid content in the new varieties of grains and their byproducts is an area open for further research.