

Effects of Dietary Supplementation Cysteamine HCl (Perfly) on Growth Performance and Carcass Quality of Grower-Finisher Pigs

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Abstract: Cysteamine is a synthetic compound with Cystine that reacts to Cysteine by exchanging Sulphydryl-disulphide. Cysteamine is absorbed by the small intestine, transported to the endocrine system for binding with Somatostatin which makes somatostatin molecular structure changes. So it reduces Somatostatin or Somatotropin-releasing inhibiting factors in the circulatory system, thereby increase the available endogenous growth hormone. The growth hormone reduces glucose to use for fat deposition, which allows and encourages sufficient glucose for protein synthesis. So the Cysteamine Hydrochloride significantly promotes physiological and metabolic performance and greatly increases weight gain, Average Daily gain (ADG) and Feed Conversion Ratio (FCR), and also improved carcass quality without any residue and toxic.