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Bales were arranged in the stack according to a building like style.



Ammoniation of straw



22/02/1221

A stack of ammoniated rice straw after injection of ammonia



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A stack of ammoniated rice straw during injection of ammonia.



The stack was closely covered by fixing the margins by a cover of soil or sand.



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Ammoniation of straw

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Improved of nitrogen content.

Preservative effect.

Improved of feed intake.

Improved of cellulose digestibility.

Economical importance by reducing the feed source.

Brown coloration of straw due to ammoniation.



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22/02/1221







YV/. V/1 5 5 1















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Amino acids in chicken







Enzyme	Site of production	Splits peptide bonds adjacent to	pH of optimal activity
Pepsin	Mucosa of stomach	Tryptophan Phenylalanine Tryosine Methionine Leucine	1.8-2
Trypsin	Pancreas	Arginie Lysine	8-9
Chymotrypsin	Pancreas	Aromatic amino acids Methionine	8-9
Elastase	Pancreas	Aliphatic amino acids	8-9
Carboxy- Peptidase A	Pancreas	Aromatic amino acids	7.2
Carboxy Peptidase B	Pancreas	Arginine Lysine	8.0
Aminopeptidase	Mucosa of intestine	Amino acids with free NH ₂ groups	7.4





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Amino acids Imbalance.

An amino acid imbalance results from the addition to a low-protein diet of one or more amino acids, other than the growth limiting one, in amounts that are not individually toxic and yet cause depressions in food intake and growth that are readily prevented by a supplement of the growth limiting amino acid.

Rates prefer a protein-free diet to an imbalanced one and when corrected, leave the protein-free diet. The imbalanced diet also .interferes with protein synthesis in the liver.

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Effect of

nutritional

Activity of

proteolytic

enzymes

conditions on











