

CURAVET

PHARMA PRIVATE LIMITED

**INNOVATIVE VETERINARY MEDICINE MANUFACTURER:
ADVANCING CARE FOR EVERY ANIMAL.**

**Care
with
Cura**



CORN DDGS

Distillers Dried Grain Solubles

TECHNICAL BENEFITS

- DDGS has a high and favorable amino acid profile.
- Phytic acid is controlled in our DDGS, making it more digestible.
- Low moisture content in DDGS prevents the growth of harmful microorganisms, increasing shelf life.
- Antinutritional factors are kept low in DDGS.
- Our distillery process is sulfuric acid-free, eliminating nutritional problems in ruminant diets.
- Fermentation of DDGS provides vitamin B-complex, promotes palatability, and increases feed consumption through 3-5% yeast cells.



Corn DDGS has a high nutritional value, providing 38% protein.

This helps to increase the feed consumption while reducing the cost of feed.

NUTRITION FACTOR

Parameters	
Protein	26% - 30%
Moisture % (Max)	8% - 11%
Fat %	8% - 10%
Fiber %	5% - 6%
Sand Silica % (Max)	1%
Aflatoxin	30 PPB (Approx)
M Energy (KCal / KG)	2800 - 3000

Providing

36% - 40% Protein

with highly digestible amino acid

Corn DDGS is light golden/light brown color, fine smaller particle size which is benefitted for livestock and fish

Application

- Cattle feed manufacturing unit
- Aqua feed manufacturing unit

AMINO ACID PROFILE

Parameters	
ADF	10.00%
NDF	20.00%
Ash	5.00%
Hemicellulose (DM)	21.00%
Xylose	6.00%
Metabolic Energy (ME)	3384 kcal/kg
DE	3946 kcal/kg
Calcium	0.05%
Phosphorus	0.82%
Sodium	0.20%
Potassium	1.15%
Magnesium	0.39%
TDN Rumen (RUP)	74
TDN Poultry/Aqua	85
Sulfur	0.85%
Copper, ppm	4.00
Iron, ppm	70.00
Manganese, ppm	22.00
Zinc, ppm	51.00
Lysine	1.00%
Methionine	0.55%

RICE DDGS

Distillers Dried Grain Solubles



TECHNICAL BENEFITS

- DDGS has a **high and favorable amino acid profile**.
- Phytic acid is controlled in our DDGS, making it **more digestible**.
- Low moisture content in DDGS **prevents the growth of harmful microorganisms**, increasing shelf life.
- **Antinutritional factors are kept low in DDGS**.
- Our distillery process is **sulfuric acid-free**, eliminating nutritional problems in ruminant diets.
- Fermentation of DDGS **provides vitamin B-complex**, promotes **palatability**, and increases feed consumption through **3-5% yeast cells**.

Rice DDGS has a high nutritional value, providing 45% protein & vitamin B-Complex. This helps to increase the feed consumption while reducing the cost of feed, leading to optimum yields. With Rice DDGS, you can be sure that your livestock is getting the nutrition they need. You can view its nutritional facts below:

NUTRITION FACTOR

AMINO ACID PROFILE

Parameters	Normal	Hi Pro
Protein	45-50%	50-55%
Moisture % (Max)	8-11%	8-11%
Fat %	2-3%	2-3%
Fiber %	5-6%	5-6%
Sand Silica % (Max)	1%	1%
M Energy (KCal / KG)	3000-3200	3000-3200

Providing

45%- 50% protein

With highly digestible amino acid

Application

- Swine Feed
- Cattle feed manufacturing units
- Poultry feed manufacturing units
- Aquaculture feed manufacturing units

Parameters	Value
Arginine	3.09
Histidine	-
Isoleucine	2.45
Leucine	4.4
Lysine	2.36
Methionine	1.23
Phenylalanine	2.94
Threonine	2.7
Tryptophan	0.6
Valine	2.33
Alanine	3.94
Aspartic Acid	4.92
Cystine	1.33
Glutamic Acid	4.84
Glycine	2.68
Proline	2.66
Serine	2.63
Tyrosine	-

I-PRO (RICE PROTEIN MEAL)

TAKE YOUR ANIMAL FEED TO THE NEXT LEVEL
WITH INNOVATIVE SOCH'S RICE PROTEIN MEAL

TECHNICAL DESCRIPTION

- Rice protein meal is the residue left after removing starch and bran from rice during the wet milling process, with a **high protein content and excellent amino acid profile**.
- It is an **economical and viable alternative to fish meal, corn gluten meal, and soybean meal**, ideal for **aqua and poultry feeds**.
- Our rice protein feed is specially formulated to meet the nutritional needs of livestock and is a **great choice for animals allergic to corn or wheat due to its hypoallergenic nature and low slag content**.



NUTRITION FACTOR

Parameters	Normal	Normal	Hi-Pro	Hi-Pro
	Value in %age	Value in %age	Value in %age	Value in %age
Protein	45%	50-55%	60-65%	70%
Moisture	8-12%	8-12%	8-12%	8-12%
Fat/Oil	3-4 %	3-4 %	3-4 %	3-4 %
Fiber	5-7 %	5-7 %	5-7 %	5-7 %
Colour	Light Brown/ Brown	Light Brown/ Brown	Light Brown/Creamy	Creamy/White
Fiber	5-7 %	5-7 %	5-7 %	5-7 %
ME Energy (KCal / KG)	3200-3500	3200-3500	3300-3600	3300-3600
Appearance	Free Flowing Powder	Free Flowing Powder	Free Flowing Powder	Free Flowing Powder
Packaging	50kg or 800kg PP Bag	50kg or 800kg PP Bag	PP Bag (Approx. 50 kg)	PP Bag (Approx. 50 kg)

Normal Protein Grade
45%-50%

High Protein Grade
60%-70%

Application

- Pet Food
- Aquaculture feed manufacturing units
- Swine Feed
- Poultry feed manufacturing units

Rapeseed Meal

Rapeseed meal is a protein-rich feed for livestock, with good amino acid profile and significant methionine content. It's high in fibre and lignin, limiting its use in monogastric diets. It's commonly used as a substitute for soybean meal and is highly palatable for ruminants. Its residual oil content varies depending on the processing method.



Nutritional Factors:

Main analysis	Unit	Avg
Dry matter	% as fed	89
Crude protein	% DM	38.1
Crude fibre	% DM	14.3
Neutral detergent fibre	% DM	31.6
Acid detergent fibre	% DM	20.7
Lignin	% DM	9.7
Ether extract	% DM	2.4
Ash	% DM	7.6
Insoluble ash	% DM	0.3
Starch (polarimetry)	% DM	6.3
Starch (enzymatic)	% DM	1.6
Total sugars	% DM	10.5
Gross energy	MJ/kg DM	19.3

CORN GLUTEN MEAL

DESCRIPTION

Corn gluten meal is a by-product of the manufacture of maize starch (and sometimes ethanol) by the wet-milling process. Corn gluten meal is a protein-rich feed, containing about 65% crude protein (DM), used as a source of protein, energy and pigments for livestock species including fish.

It is also valued in pet food for its high protein digestibility. Corn gluten meal is also used as a fertilizer and pre-emergent weed killer.

Corn gluten meal is obtained wherever maize is used for starch extraction. It is distributed worldwide. Its production has become relatively constant since ethanol is now mainly produced by dry-milling, which yields corn distillers rather than corn gluten meal and corn gluten feed.

NUTRITION FACTOR

Parameters	Value in %age
Protein %	60-70
Moisture % (Max)	10
Fat %	4-8
Sand Silica % (Max)	2
M Energy (KCal / KG)	4131
Pepsin Digestibility	85-90

- Corn Gluten Meal is a protein-rich by-product of maize starch manufacture by wet-milling process
- Contains about 65% crude protein (DM) and minimal amounts of starch and fiber
- Used as a source of protein, energy, and pigments for livestock, including fish, and in pet food for high protein digestibility
- Also used as a fertilizer and pre-emergent weed killer
- Corn gluten meal production has become relatively constant as ethanol is mainly produced by dry-milling, yielding corn distillers instead



Table : Composition of amino acids in Corn Gluten Feed/Maize Fiber/CoFeed

Parameters	Value in %age
Arginine (%)	2.11
Histidine (%)	1.42
Isoleucine (%)	3.01
Leucine (%)	12.43
Lysine (%)	1.05
Methionine (%)	1.38
Phenylalanine (%)	3.65
Threonine (%)	1.99
Tryptophan (%)	0.3
Valine (%)	3.39
Cystine (%)	1.08
TSAA Met+Cys (%)	2.44
Tyrosine (%)	3.78
Phe+Tyr (%)	7.41
Glutamic (%)	6.71
Aspartic (%)	3.94
Glycine (%)	2.02
Serine (%)	3.23
Alanine (%)	5.8
Sum EAAs (%)	30.71
Sum NEAAs (%)	26.54
Taurine (%)	0

CORN GLUTEN FEED

DESCRIPTION

- Corn gluten feed is a by-product of maize grain wet-milling for starch or ethanol production.
- It is primarily composed of maize bran and steep liquor, and may also contain distillers solubles, germ meal, and cracked maize screenings.
- Corn gluten feed is a moderately high source of protein (20-25% DM), and is commonly used in ruminant diets.
- Its nutritional attributes, including energy and protein content, vary depending on the milling process and the proportion of steep liquor in the blend.



NUTRITION FACTOR

Parameters	Value in %age
Protein %	18-20
Moisture % (Max)	10
Fat %	1
Sand Silica % (Max)	3
M Energy (KCal / KG)	2000

COMMON NAMES

- Corn gluten feed is a byproduct of maize wet-milling and consists of maize bran and steep liquor. It can be dry or wet and its composition varies widely. It's a major feed ingredient for ruminants, with moderate protein content and high in cell wall constituents.

NUTRITIONAL ATTRIBUTES

- Corn gluten feed is a major feed ingredient for beef and dairy cattle.
- It is available as wet (40-60% DM) or dry (88% DM) product.
- Contains 20-25% DM protein, less than corn gluten meal and most oil meals but more than cereal grains and milling by-products.
- Richer in cell wall constituents (crude fibre 6-10% DM, NDF 31-49% DM, ADF 8-13% DM) than maize grain which limits its use in pig and poultry diets.
- Contains under 4% DM crude fat and variable amounts of residual starch (11-30% DM).
- Ash content is about 7% DM.

Table : Composition of amino acids in Corn Gluten Feed/Maize Fiber/CoFeed

Parameters	Value in %age
Lysine	0.67
Threonine	0.72
Methionine	0.35
Cystine	0.39
Methionine + Cystine	0.74
Tryptophan	0.14
Isoleucine	0.77
Valine	0.99
Leucine	1.17
Phenylalanine	0.50
Tyrosine	0.98
Phenylalanine + Tyrosine	1.29
Histidine	0.68
Arginine	1.20
Alanine	1.62
Aspartic Acid	1.21
Glutamic Acid	2.93
Glycine	1.10
Serine	0.85
Proline	1.82