



DDGS Market Connect 2026

20th March 2026, Jacaranda Hall,
India Habitat Centre, New Delhi

DDGS BY DIFFERENT TYPE OF GRAINS

RICE DDGS



Parameters	Rice DDGS	ParBoil DDGS
Protein	52 - 53%	41 - 46%
Oil	2.5-4%	2.5-4%
Starch	9-10%	10-14%
Moisture	9-10%	9-10%

MAIZE DDGS



Parameters	Maize DDGS
Protein	28-30%
Oil	11-13%
Starch	12-13%
Moisture	9-10%

MIX DDGS



Parameters	Mix DDGS
Protein	34-38%
Oil	5-9%
Starch	10-11%
Moisture	9-10%

- Rice DDGS commands higher sales value as compared to Maize DDGS. Mix DDGS sells at lowest value.
- Protein content is highest in Rice DDGS. However, there is a large range of protein content due to different variety of Rice.
- Oil content is highest in Indian Maize DDGS, as oil is not extracted.
- Starch content is highest in Parboiled DDGS as its carbohydrates/ starches are unconvertible.
- Mix DDGS varies in Oil and protein content depending on Grain Mix.

DDGS QUALITY COMPARISON



DDGS Quality Comparison						
Country	USA	India	India	India	India	India
Quantity	Maize DDGS	Maize DDGS	Mix DDGS	Rice DDGS	Par-Boil DDGS	Soya
Protein	16-36%	28-30%	34-38%	52 - 53%	41 - 46%	41-44%
Oil	6-11%	11-13%	5-9%	2.5-4%	2.5-4%	<1%
Starch	2-14%%	12-13%	10-11%	9-10%	10-14%	<2%
Moisture	6-12%	9-10%	9-10%	9-10%	9-10%	9-10%
Thick Syrup	Yes	Yes	Yes	Nil	Yes	Nil
Grain	Maize	Maize	Rice-Maize	FCI Rice	Broken Rice	Soya
GMO	GMO	Non-GM	Non-GM	Non-GM	Non-GM	Non-GM
Vomitoxin	Present	Not-present				
Aflatoxin	<20 ppb	>20 ppb				
Remarks	Oil Seperated	Not removed	Not removed	NA	NA	NA

10th Feb2026

Prepared by Gulshan Polyols Ltd

- US DDGS has low oil content as oil is extracted.
- US DDGS is made with GMO Corn and Vomitoxins are present.

COMPARITIVE STUDY OF AMINO ACID



Comparitive Study of: AMINO ACIDS in Rice DDGS , Corn DDGS And Soya

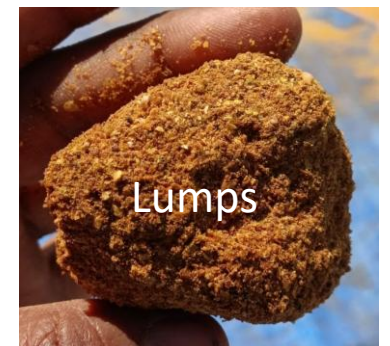
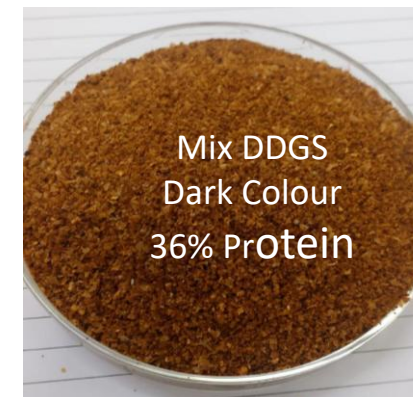
Specifications	Units	Rice DDGS	Corn DDGS	Soya
Total Amino Acids	g/100g	53.13	22.67	40.7
Lysine	g/100g	3.2	1.15	3.6
Threonine	g/100g	1.84	0.76	1.6
Methionine	g/100g	1.21	0.23	0.2
Glutamic Acid	g/100g	9.74	3.82	7.5
Aspartic Acid	g/100g	4.98	1.65	4.7
L-Arginine	g/100g	4.28	1.2	2.8
Alanine	g/100g	3.13	0.76	1.7
Tyrosine	g/100g	2.93	0.94	1.4
Valine	g/100g	3.04	1.07	1.7
Isoleucine	g/100g	2.51	0.89	1.7
Leucine	g/100g	3.37	1.81	4.5
Glycine	g/100g	2.84	1.2	1.8
Serine	g/100g	2.56	1.09	2.2
Phenylalanine	g/100g	2.28	1.22	2.0
Proline	g/100g	2.48	1.96	2.1
Histidine	g/100g	0.97	0.55	1.1
Cystine	g/100g	1.51	1.53	0.2

Study done by Gulshan Polyols Ltd

- The Amino Acid profile of Rice DDGS is most superior.
- Domestic demand of Rice DDGS is very strong.
- Popularity of Rice DDGS in international market is not as strong, because it is relatively a new animal nutrition with a limited supply in comparison to the Corn DDGS.
- Rice DDGS commands higher sales value as compare to Maize DDGS. Mix DDGS sells at lowest value.

MARKET FEEDBACK & REQUIREMENTS

- DDGS is perceived to be selling on protein content and often compare to soya DOC (De-oiled Cake of Soya).
- Maize and Mix DDGS with Oil >9% is Suitable for Oil Extraction and often procured by solvent plants.
- FCI Rice DDGS without syrup can have >55% protein but finds a limited market demand.
- Quality complaints - Dark Colour, Smell, Grainy Texture, Lumps, etc.
- Decolouring additives in fermentation can help in improvement in colour of DDGS.
- Using sifter and hammer mills after dryer can improve texture.



CHALLENGES IN PRODUCTION



- 1) In-consistent supply of Grain due to seasonality.
- 2) Quality of Maize cannot be controlled due to limited availability.
- 3) Mandate of 40% FCI, compels to run Mix Grain, even though DDGS realization is lowest.
- 4) Process Variations.
- 5) Addition of Syrup – DS and color of Syrup greatly impact the final quality.
- 6) Control of dryer temperature and time.
- 7) Long duration storage causes lump formation.

GLOBAL TRENDS AND EXPORTS DATA



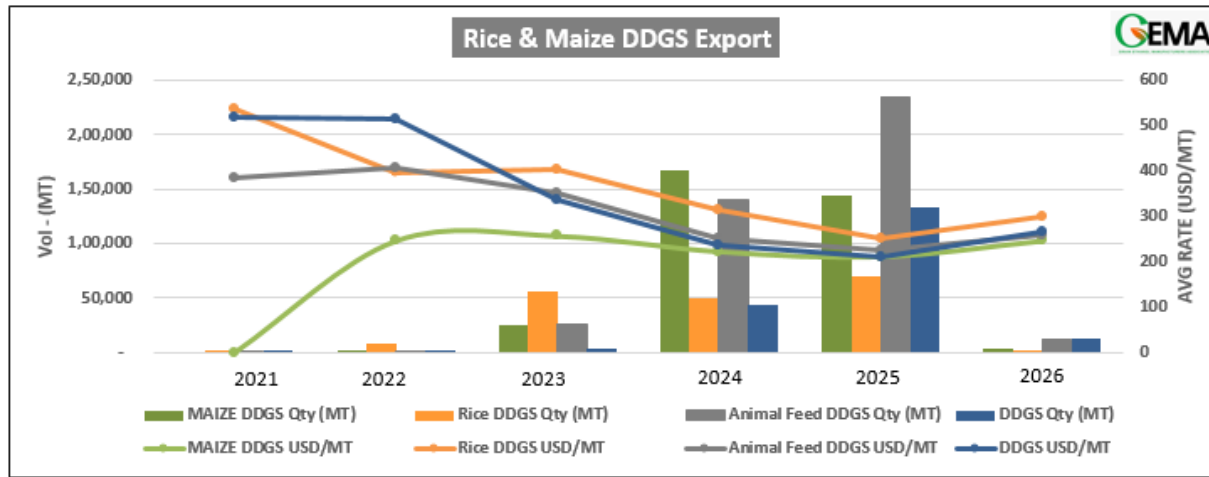
Global Export Quantity Comparison

Country	Export Quantity (Million Metric Tons/Year)	Global Share	Market Position
United States	10–11	90–94%	Dominant global supplier
Brazil	1–3 (estimated)	3–5%	Fast-growing exporter
India	0.1–0.5	1–2%	Emerging exporter

Key Observations:

- The United States overwhelmingly dominates global DDGS exports.
- Brazil is rapidly increasing production and export capacity.
- India has a relatively small share but is growing steadily due to ethanol expansion.

INDIAN DDGS EXPORT DATA



Yearly DDGS Export Overview

Product	2025		2024	
	Qty (MT)	USD/MT	Qty (MT)	USD/MT
DDGS	1,32,782	211	42,829	236
MAIZE DDGS	1,43,761	212	1,66,616	223
RICE DDGS	69,561	251	50,110	316
ANIMAL FEED	2,34,046	224	1,39,841	253
Grand Total	5,80,151	221	3,99,397	246

Key Observations:

- Volume of DDGS export is increasing and sales prices is decreasing.
- Maize DDGS export volume are higher – Maize DDGS is an established product in international market. Indian Maize DDGS has higher oil content.

DDGS Export - Top Five Countries

Year	2025	
Country	MTs	Avg. Price
VIETNAM	2,67,877	19,056
BANGLADESH	1,56,810	18,514
NEPAL	65,688	18,497
INDONESIA	30,366	19,561
SRI LANKA	20,354	19,266

COST COMPETITIVENESS OF US DDGS



Comparison of Current US DDGS Price vs Import Cost to India

(Exchange rate: ₹905 per USD (current approx) → US FOB *240/ton)



* Exchange rate: ₹90.5 per USD (current approx)

🇺🇸 Duty-free under new US-India trade deal: Quota-limited DDGS import with zero tariffs

* Estimated costs based on latest market data (DDGS FOB Gulf price ~\$240/ton).

- Data is based on USD & freight rates in January 2026, which have significantly increased.
- Most important India doesn't allow GMO products to be imported.
- The import of GMO products required constitutional amendments.
- It is not expected to be imported in the near future.

PRESENTATION

DDGS MARKET CONNECT 2026



Thank You
for your support

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