



**MESKAY &
FEMTEE**
Trading Company (Pvt) Ltd.

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RICE - OUR FLAGSHIP PRODUCT

MFTC is among the largest miller and exporter of rice in Pakistan with a customer base in more than 141 countries. MFTC has strengthened its position as the most trusted supplier among private and government organizations around the world. Naubahar is the trademark brand of MFTC high quality basmati rice with different varieties.



Commodity Trading House including Rice, Corn, Guar and Soybean.



Farming Equipment rental and expertise training.



Naubahar Rice Seed collaboration with chinese company Wuhan Qingfa Hasheng Seed.



Guar Gum and Guar Meal Manufacturer



For Earth, For Life

Agents for Kubota agricultural equipments in Pakistan.



OUR INDUSTRIAL COMPLEX

MFTC ESTABLISHED
IN 2006

EXPORTS TO
OVER 141
DESTINATIONS

IDEALLY LOCATED
MILLS NEAR
PORT QASIM

TRADERS OF WHEAT
CORN, SOYABEAN,
CANOLA, SESAME

RICE PROCESSING
CAPACITY OVER
1320 TONS/DAY

TOP THREE
COMMODITY
EXPORTERS FROM
PAKISTAN SINCE 2010

GUAR DIVISION
ESTABLISHED IN 2014
GUAR SPLIT
PRODUCTION
STARTED IN 2016

LOGISTICS
DEPARTMENT
HANDLING UPTO
7500 CONTAINERS
ANNUALLY

OVER 200,000 SQFT OF
WAREHOUSE SPACE
SILOS FOR 3,000 TONS
OF GUAR SEED

FOOD GRADE &
INDUSTRIAL
GUAR GUM MILL
STARTED IN 2019



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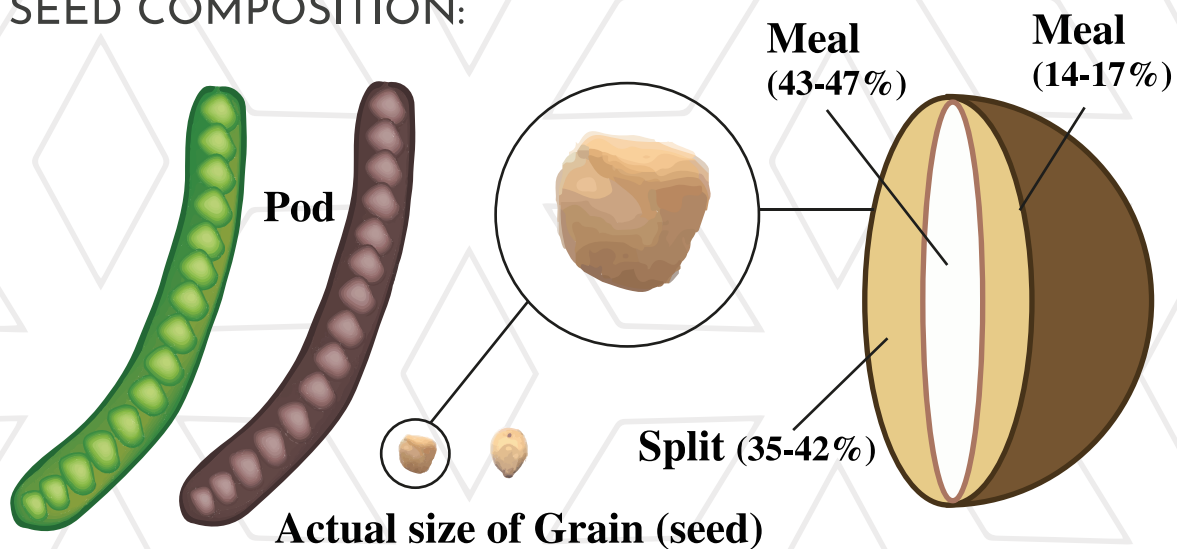
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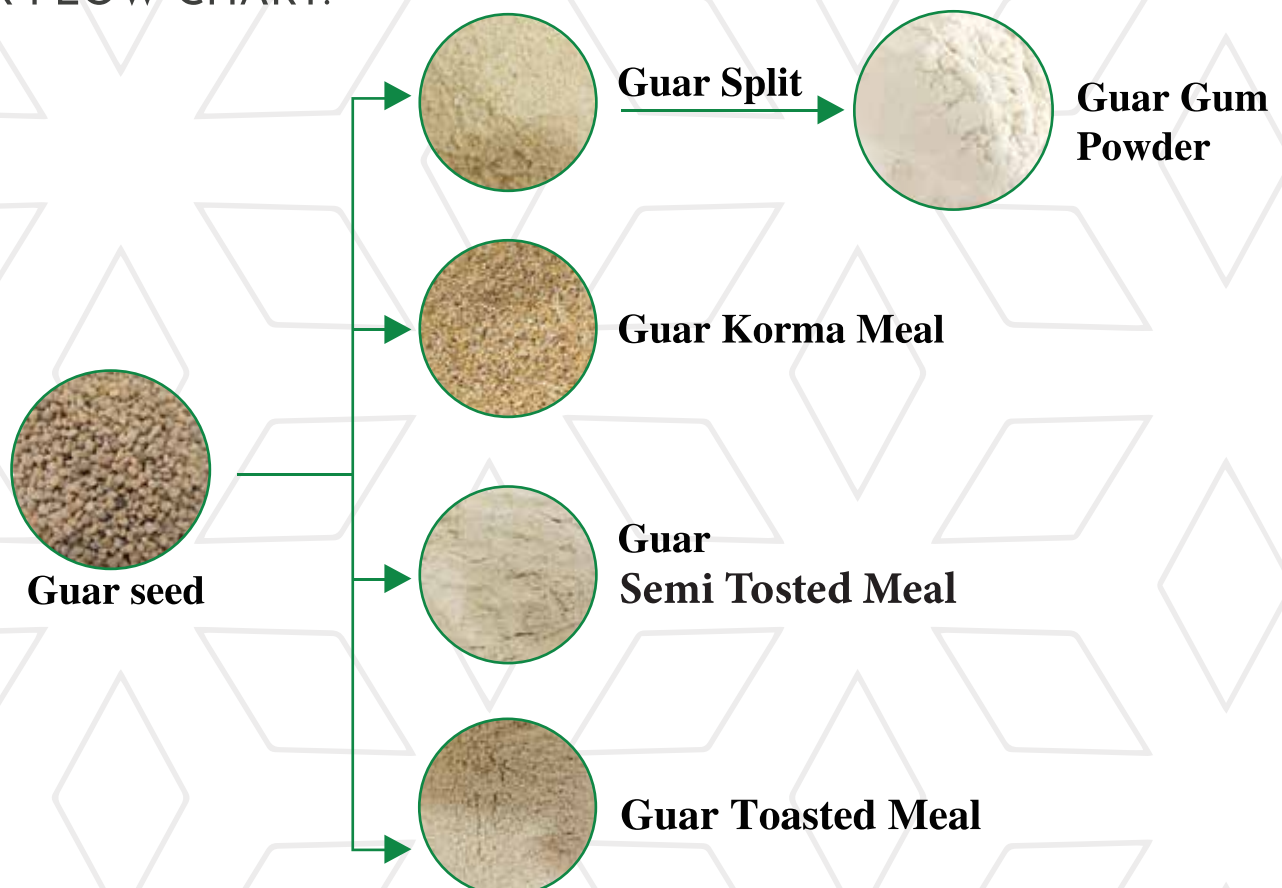
GUAR SEED - THE RAW MATERIAL

Guar seed or cluster bean is a drought-resistant leguminous crop, generally cultivated in dry sandy areas of India and Pakistan.

GUAR SEED COMPOSITION:



GUAR FLOW CHART:



GUAR PRODUCTS PACKAGING BAGS



25kg

Paper bag for guar gum



50 kg

Polypropylene bag for guar split, guar korma and guar meal



1000 kg

Polypropylene bulk bag for guar gum, guar split, guar korma and guar meal



GUAR GUM POWDER

Guar gum, also called guaran galactomannan, is a natural thickener obtained from ground endosperm of guar seed. The guar seeds are de-husked and milled to obtain guar gum. It is typically produced as a free-flowing off-white to pale yellow, coarse to fine ground powder. The EU food additive code of guar gum is E-412 and H.S. code is 1302.3210

PROPERTIES:

- Excellent thickening quality
- Stable in solutions over a wide range of pH values
- Easily soluble in both cold and hot water
- Excellent film forming properties
- Good resistance to oils, grease and solvent
- High viscosity
- Ability to function at low temperatures
- Excellent water binding capacity
- Compatible with many other hydrocolloids used in food formulations
- Versatile because of a number of free hydroxyl groups that can make derivatives for different applications

SPECIFICATIONS:

Parameter	Guar Gum Specifications			
	Food Grade			
	MF 500	MF 450	MF400	MF350
Viscosity (1% soln. with Brookfield viscometer RVF at 25 C 2hr) [cps]	5000-5500	4500-5000	4000-4500	3500-4000
Moisture[%]	10 Max.	10 Max.	10 Max.	10 Max.
Color	off white to pale yellow	off white to pale yellow	off white to pale yellow	off white to pale yellow
Mesh[%] through 200	95 Min.	95 Min.	90 Min.	80 Min.
Ash [%]	1.0 Max.	1.0 Max.	1.0 Max.	1.5 Max.
Protein [N x 6.25] [%]	5.0 Max.	5.0 Max.	5.0 Max.	7.0 Max.
pH	5.5-7.0	5.5-7.0	5.5-7.0	5.5-7.0
A.I.R [%]	3.0 Max.	3.0 Max.	3.0 Max.	3.0 Max.
Total Plate Count [cfu/gm]	5000 Max.	5000 Max.	5000 Max.	5000 Max.
Moulds[cfu/g]	500 Max.	500 Max.	500 Max.	500 Max.
Ecoli/gm	Absent	Absent	Absent	Absent
Salmonella/25gm	Absent	Absent	Absent	Absent
Coliform/gm	Absent	Absent	Absent	Absent
Shelf life (under recommended conditions)	02 Years	02 Years	02 Years	02 Years

Note: We can produce Guar Gum Powder of customer-desired viscosity i.e. 1000cps to 5500cps

GUAR GUM PACKAGING OPTIONS:

Net Weight	Packaging Material	Qty of Bags/Total Weight in 20' FCL
25 kg	Strong open mouth 4-ply paper bag with inside liner	800 Bags 20 Tons
25 kg	Strong valve pack 4-ply paper bag	800 Bags 20 Tons
1000 kg	Woven polypropylene bulk bag with inside liner	20 Bags 20 Tons on 10 pallets

- Private label packaging and printing available for 25 kg and 1000kg bulk bag



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Guar Gum Specifications		
Non-food Industrial Grade		
Parameter	MI 250	MI 150
Viscosity (1% soln with Brookfield viscometer RVF at 25°C 2hr)[cps]	2500-3000	1500-2000
Moisture[%]	10 Max.	10 Max.
Color	off white to pale yellow	off white to light gray
Mesh[%] through 200	80 Min.	80 Min.
Ash [%]	2.0 Max.	2.0 Max.
Protein [N x 6.25] [%]	10 Max.	12 Max.
pH	5.5-7.0	5.5-7.0
A.I.R [%]	4.0 Max.	5.0 Max.
Total Plate Count [cfu/g]	----	----
Shelf life (under recommended conditions)	02 Years	02 Years

Note: We can produce Guar Gum Powder of customer-desired viscosity i.e. 1000cps to 5500cps

GUAR GUM PACKAGING OPTIONS:

Net Weight	Packaging Material	Qty of Bags/Total Weight in 20' FCL
25 kg	Strong open mouth 4-ply paper bag with inside liner	800 Bags 20 Tons
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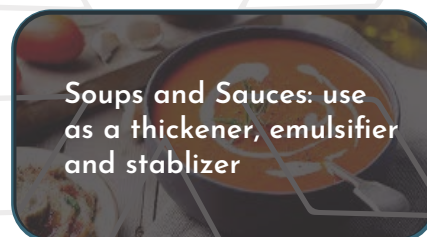
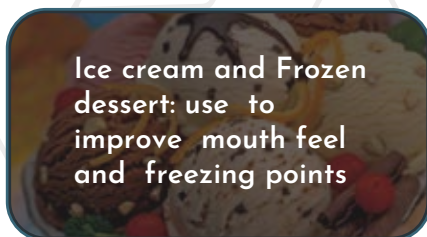
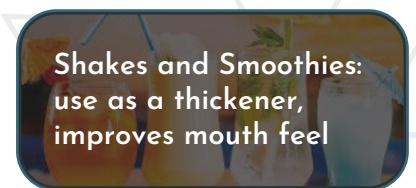
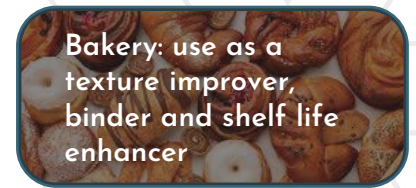
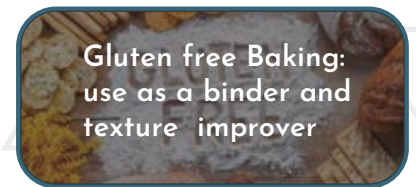
- Private label packaging and printing available for 25 kg and 1000kg bulk bag



GUAR GUM POWDER HOME USE PACK

Guar gum powder is a versatile food additive, used as a thickener, binder, stabilizer, mouth feel improver and texture enhancer.

With excellent thickening quality, easy solubility in hot and cold water, water binding capacity; it is an essential part of beverages, soup and sauces, ice cream and frozen desserts and also gluten-free cooking and baking.



SUGGESTED MEASUREMENTS:

 Baking	1 tsp. Guar Gum for every cup of Gluten Free Flour
 Bread Baking	1 1/4 to 1 1/2 tsp. Guar Gum for every cup of Gluten Free Flour.
 Substitution for Xanthan Gum	1 tsp. Guar Gum for every 1/2 tsp of Xanthan Gum

GUAR GUM HOME USE PACK PACKAGING DETAILS:

Net Weight	Packaging Material	Qty of Bags/ Carton in 20' FCL
283 grams (10 oz)	Resealable Ziplock Standup Pouch	24 Pouches in 1 carton 1056 cartons



Resealable ziplock standup pouch
Net Weight : 283grams (10oz)

FOOD INDUSTRY APPLICATIONS

BAKERY

- IMPROVES TEXTURE
- INCREASES DOUGH YIELD
- INCREASES SHELF LIFE
- IMPROVES CRUMB STRUCTURE



PROCESSED CHEESE

- IMPROVES TEXTURE AND FLAVOR
- STABILIZER



SOUPS

- THICKENER
- STABILIZER



ICE CREAMS, SOFT SERVES FROZEN CAKES

- IMPROVES MOUTH FEEL
- PREVENTS MOISTURE LOSS
- PREVENTS FORMATION OF ICE CRYSTALS
- CONTROLS FREEZING POINTS



NOODLES

- IMPROVES TEXTURE AND FORM
- IMPROVES MOISTURE RETENTION



MEAT

- BINDER IN SAUSAGES
- ABSORBS FREE WATER
- IMPROVES FLOW RATE
- PREVENTS SEPARATION AND MIGRATION



DRESSINGS AND SAUCES

- THICKENER
- EMULSION STABILIZER
- IMPROVES FLOW PROPERTIES



BEVERAGES

- CONTROLS VISCOSITY
- IMPROVES BODY AND MOUTH FEEL
- IMPROVES SHELF LIFE





GUAR SPLIT

Guar split is a pale-yellow, non-ionic, endosperm part of the guar seed. It is obtained by roasting, cracking and de-husking the guar seed. The guar split is further passed through sortex machine for double and triple refining to obtain highest de-husking rate splits as per customer demand. The H.S. code of guar split is 1302.3210.

MFTC has a well-equipped split processing plant with a production capacity of 18,000 ton per annum . We provide premium quality guar splits to leading guar gum manufacturers across varied industries.

Our high standards and quality-centric policies make us a preferred choice of local and international customers. With our consistent product quality and service. We have developed a customer-base in multiple countries, including Belgium, China, Germany and Switzerland.



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SPECIFICATIONS:

Parameter	Specification
De-husking [%]	93.00 Min.
Moisture [%]	10.00 Max.
Color	off-white to pale-yellow
Gum Content [%]	82.0 Min.
Protein [N x 6.25] [%]	5.0 Max.
Ash [%]	1.0 Max.
A.I.R [%]	3.0 Max.
Ultimate Viscosity [cps]	6000 Min.
Red and Black Split [%]	3.0 Max.
Broken Splits [thr. Mesh 14][%]	3.0 Max

Note: We can produce customer-desired guar splits with de-husking level ranging from 85% to 98%.

GUAR SPLIT PACKAGING OPTIONS:

Net Weight	Packaging Material	Qty of Bags/ Total weight in 20' FCL
50 kg	Woven polypropylene bag with inside liner	400 Bags/ 20 Tons
1000 kg	Woven polypropylene bulk bag with inside liner	20 Bags/ 20 Tons on 10 pallets

- Private label packaging and printing available for 25 kg and 1000kg bulk bag

APPLICATIONS:

We produce guar splits for both local and international customers. Guar splits are primarily used to make guar gum or its derivatives i.e., Carboxyl Methyl Guar Gum, Hydroxylpropyl guar gum and other modified gums.





GUAR MEAL

- Guar Meal is a by-product obtained from germ of guar seed during guar split production.
- It is 100% natural agricultural product without any additives.
- It is rich in protein and carbohydrates that are main macronutrients in dairy, poultry and fish feed.
- Guar Meal has two basic varieties, namely Guar Korma Meal and Guar Meal Powdered (untoasted and toasted).

PROPERTIES:

We guarantee the finest quality of guar meal that is:

- Free from toxins, including Salmonella, Aflatoxin and E-Coli
- Free from Ethylene oxide (ETO)
- Free flowing (guar korma meal)
- 100% natural and Non-GMO
- Substitute of soybean and canola meal, partially or completely





GUAR KORMA MEAL:

- Guar Korma Meal contains up to 51% protein
- It is a complete nutritional component for dairy, poultry, and fish feed comprising all necessary amino acids required for growth and body functions.
- The H.S. code of guar korma meal is 1302.3900

SPECIFICATIONS:

Parameter	Specifications
Protein [N x 6.25] [%]	48.0-51.0
Moisture [%]	8.0 Max.
Oil (fat) [%]	6.0 Max.
Fiber [%]	8.0 Max.

GUAR KORMA MEAL PACKAGING OPTIONS:

Net Weight	Packaging Material	Qty of Bags/ Total Weight in 20' FCL
50 kg	Woven polypropylene bag with inside liner	400 Bags/20 Tons
1000 kg	Woven polypropylene bulk bag	20 Bags/ 20 Tons on 10 pallets

- Private label packaging and printing are available on demand.





GUAR MEAL POWDERED:

- Guar Meal Powdered is a by-product obtained from the husk and germ of guar seed having protein 42% or below
- Two varieties of guar meal powdered; Semi toasted meal and toasted meal containing slight difference in specifications
- Semi toasted meal undergoes a heating process to produce toasted meal offering better digestibility and nutritional content
- The H.S. code of guar meal powdered is 1302.3900

SPECIFICATIONS:

Parameter	Specifications		
	Semi toasted Meal	Toasted Meal (High Protein)	Toasted Meal (Low Protein)
Protein [N x 6.25] [%]	37.0-41.0	38.0-42.0	28.0-32.0
Moisture [%]	7.0 Max.	6.0 Max.	6.0 Max.
Oil (fat) [%]	6.0 Max.	6.0 Max.	6.0 Max.
Fiber [%]	12.0 Max.	12.0 Max.	12.0 Max.

GUAR MEAL POWDERED PACKAGING OPTIONS:

Net Weight	Packaging Material	Qty of Bags/ Total Weight in 20' FCL
50 kg	Woven polypropylene bag with inside liner	400 Bags/20 Tons
1000 kg	Woven polypropylene bulk bag	20 Bags/ 20 Tons on 10 pallets

- Private label packaging and printing are available on demand.



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GUAR MEAL APPLICATIONS

Dairy Feed: Guar Meal is an excellent source of protein and carbohydrates with high digestibility necessary to boost growth and milk production.



Poultry Feed: Guar meal has binding properties and high protein source making it best feed component, aiding in digestibility and increasing eggs and meat quality.

Fish Feed: Fish requires high nutrients profile with digestibility for proper growth and health. Guar Meal is the best suitable replacement with high nutrients profile and digestibility. It is one of the preferred replacement to other meals such as soybean meal.



QUALITY CONTROL AND COMMITMENT:

As a trusted supplier to reputable manufacturers around the world, we are committed to delivering quality through strict process control and food safety practices.

Precise quality control measures are taken at each step of production – from procurement of raw material to shipment of finished goods. Each order is dispatched with an analysis report.

We also work with one of the the world's leading, testing, inspection and certification company in Pakistan to substantiate the veracity of our internal testing system from time to time. We also provide specific product parameter verification/testing on customer's request.

QUALITY ASSURANCE IN-HOUSE TEST:

- ① Protein Analysis ② Fat Analysis ③ Viscosity ④ Ash Analysis
- ⑤ Moisture Analysis ⑥ Dehusking ⑦ Mesh Analysis
- ⑧ Plate Count ⑨ Molds/Yeast Count ⑩ Coliform





QUALITY CERTIFICATIONS:



FSSC 22000



HACCP



ISO 9001:2015



KOSHER



HALAL



US FDA

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PRIVATE LABEL YOUR BRAND PARTNER



We understand the importance of the reputation when a company puts their name on the package. MFTC gums feels proud to be one of the few private label manufacturers of quality conscious companies in Belgium, China, Germany, Switzerland and Pakistan.

Our experienced staff allows us to produce the right product for you, which you can happily call yours. We can also help in developing the packaging, from designing to printing, according to your brand theme. Some of the packaging options we provide are paper bag with multiple ply and polypropylene bags shown.

Net Weight	Commodity	Packaging Material	Qty of Bags/ Total Weight in 20' FCL
25kg	Guar Gum Powder	Strong open mouth multiple ply paper bag with inside liner	800 Bags 20 Tons
50kg	Guar Split, Guar Korma Meal and Guar Meal	Woven Polypropylene bag with inside liner	400 Bags/ 20 Tons
1000kg	Guar Gum Powder, Guar Split, Guar Korma Meal and Guar Meal	Woven Polypropylene Bulk Bag with inside liner	20 Bags/ 20 Tons on 10 Pallets



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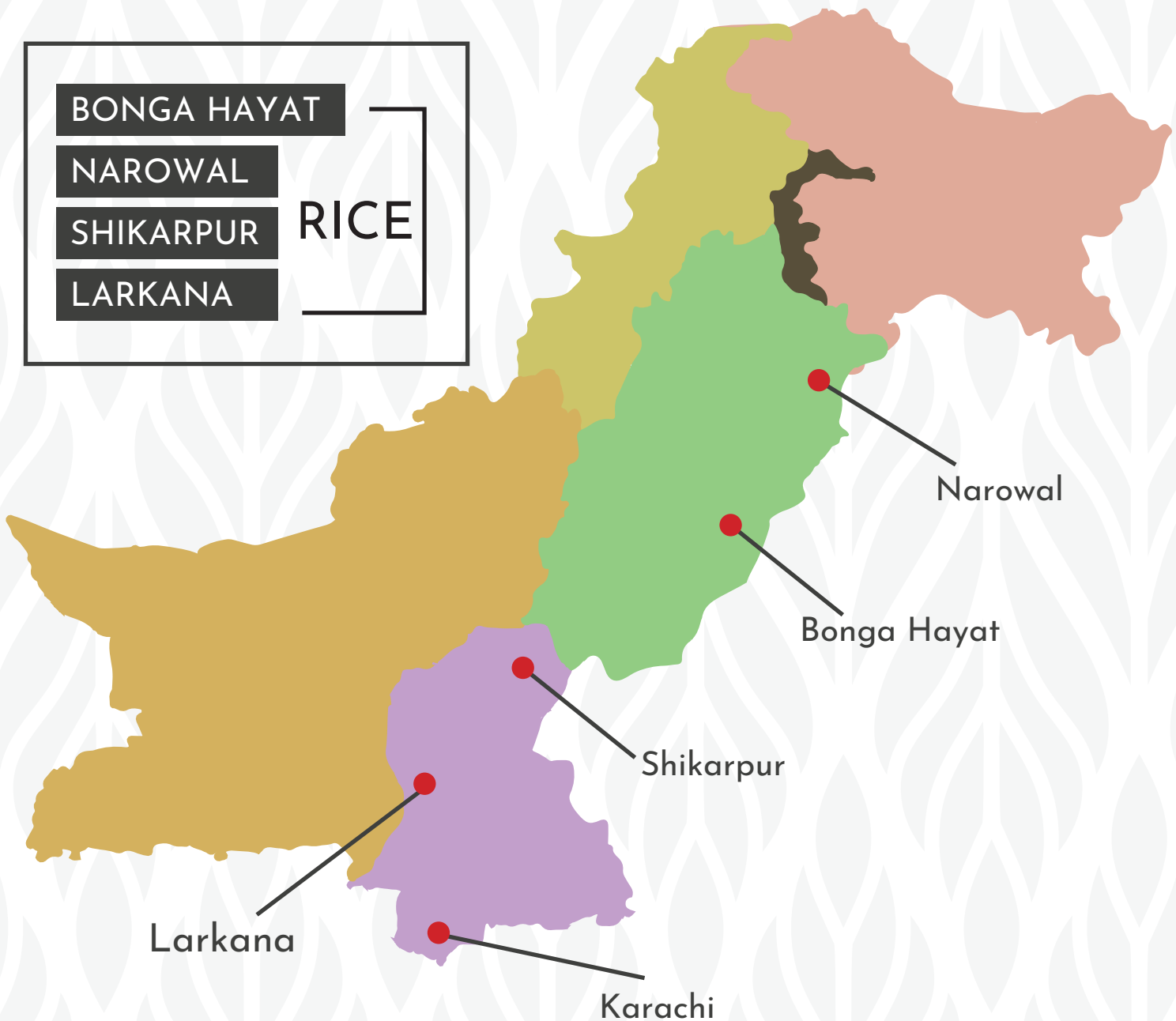
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OUR FACTORIES



Port Qasim KARACHI

RICE, GUAR GUM, SESAME SEED

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