

# PACKAGING OF ISABGOL



**AATMANIRBHAR BHARAT**

PM Formalisation of Micro Food Processing  
Enterprises Scheme (PM FME Scheme)

# IMPORTANCE OF PACKAGING

- Packaging is an important part of food manufacturing process. It protect the food products from physical ,chemical, biological damages.
- Without packaging, materials handling would be a messy, inefficient and costly exercise and modern consumer marketing would be virtually impossible.
- Packaging Institute International defined packaging as the enclosure of products, items or packages in a wrapped pouch, bag, box, cup, tray, can, tube, bottle or other container form to perform one or more of the following functions: containment, protection, preservation, communication, utility and performance. If the device or container performed one or more of these functions, it was considered a package.

# CONCEPT OF PACKAGING

- ✓ Packaging is the science, art and technology of enclosing or protecting products for distribution, storage, sale, and use.
- ✓ Packaging also refers to the process of designing, evaluating, and producing packages.
- ✓ Packaging contains, protects, preserves, transports, informs, and sells

## NEED OF PACKAGING

- **CONTAINMENT** : protecting the environment from the myriad of products that are moved from one place to another.
- **PROTECTION** : to protect its contents from outside environmental influences such as water, water vapor, gases, odors, microorganisms, dust, shocks, vibrations and compressive forces.
- **CONVENIENCE** : Products designed to increase convenience include foods that are prepared and can be cooked or reheated in a very short time, preferably without removing them from their primary package.

## TYPES OF PACKAGING

- **PRIMARY PACKAGING** : Primary packaging is the packaging in direct contact with the product itself and is sometimes referred to as a consumer unit. The main purpose of primary packaging is to contain, protect and/or preserve the finished product, particularly against contamination. This is the first layer containing the finished product, such as a plastic pouch holding whole-grain cereal or the cardboard box containing the pouch of cereal.
- This type of packaging is often intended for the end user or consumer. In addition to making it easier for consumers to handle products, it makes the products look more appealing and can be used for communication purposes to convey printed information about the products to consumers.

## SECONDARY PACKAGING

- This type of packaging is used outside of primary packaging to group a certain number of products to create a stock-keeping unit, commonly referred to as a SKU.
- It facilitates the handling of smaller products by collating them into a single pack. This type of packaging also provides supplementary protection to help maintain the integrity of the primary packaging.
- In addition, it can serve as a shipping container for small shipments, making it highly useful in e-commerce. Secondary packaging is frequently made up of multiple components (box, padding, separators, reinforcements, bags, paper, etc.).

# TERTIARY PACKAGING

- Often also referred to as bulk or transit packaging, this type of packaging is used to group larger quantities of SKUs to transport them from point A to point B (e.g. from production facility to point of sale). During this stage, products are handled as distribution units.
- This type of packaging makes it easier to transport large and/or heavy loads safely and securely. In addition to helping prevent damage, it consequently facilitates the handling, storage and transport of goods.
- An example of tertiary packaging is a stretch-wrapped pallet containing a quantity of cardboard boxes (secondary packaging) to enable efficient product shipping.

## PACKING MACHINES USING IN ISABGOL PROCESSING

- ✓ Processed quality products are packed in flexible and cost-effective packaging solutions under total hygienic control regions, while ensuring that the product is kept safe during transit and in storage at the customer end.
- ✓ Different types of packing machines are used for packing isabgol. In market, isabgol is normally available in two forms,
  1. Isabgol husk
  2. Isabgol husk powder
- ✓ Packaging of isabgol husk and husk powder incorporates uncoated and covered UV balanced out PP woven texture without liner, HDPE laminated paper sacks with inner poly-liner, laminated PP woven sacks with internal poly, fiber paper drum and silver plated ring with inward poly-liner.



# SEED PACKING MACHINE





# AUTOMATIC HUSK POWDER PACKING MACHINE



# ISABGOL HUSK ZIPPER POUCH PACKING MACHINE



## PACKAGING AND LABELING

- ✓ Isabgol Husk will be pressed in new, perfect and dry jute packs, fabric sacks, paper packs and card board containers with internal coating of food grade material, food grade High Density Polyethylene overlaid paper sacks, food grade plastic compartments or in glass bottles or such other sort of holders as might be endorsed by the Agricultural Marketing Adviser or an official approved by him for this benefit as per rule 11 of the General Grading and Marking Rules.
- ✓ The pressing material will be liberated from creepy crawly or parasitic pervasion and ought not give any poisonous substance or bothersome scent or flavor to the item.

- ✓ Isabgol Husk will be pressed in pack measures according to arrangements of the Legal Metrology (Packaged Commodities) Rules, 2011 made under sub-segment (1), read with provisos (j) and (q) of sub-segment (2) of area 52 of the Legal Metrology Act, 2009 (1 of 2010) or according to the guidelines gave by Agricultural Marketing Adviser every once in a while.
- ✓ Graded material of little pack sizes of a similar parcel or group and grade will be stuffed in an expert holder with complete subtleties consequently alongside grade assignment mark.

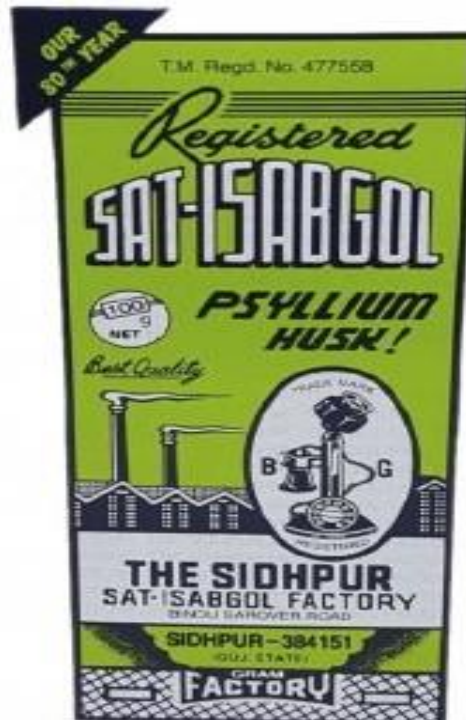
## SELECTION OF PACKING MATERIAL

- Isabgol husk are exceptionally delicate to ecological boundaries.
- To improve the time span of usability and capacity it ought not be presented to dampness and air and thus pressed in plastic covered jute sacks.
- Anyway it can likewise be gathered in paper sacks, manufactured pack, drum packs with plastic covering

# NORMAL KINDS OF BUNDLING INCLUDE











# TYPES OF PACKAGING

## CONSUMER PACKAGING

- Designed for consumer convenience & appeal, marketing consideration & display
- The main emphasises is on marketing

## INDUSTRIAL PACKAGING

- industrial packaging is focuses on the handling convenience & protection during transportation
- the main emphasises is on logistics

# Brand Packaging

Below are some of the ways of doing packaging, you can use any of them to Brand your product

## Brand Packaging



### Strategy Policies And Strategic

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### Family Packaging

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### Ecological Packaging

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### Re-Use Packaging

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### Multiple Packaging

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## GRADE SPECIFICATIONS OF ISABGOL

Properties	Grade			
	85% Pure	95% Pure	98% Pure	99% Pure
<b>Colour</b>	Light Brown to Pale Bluff			
<b>Taste</b>	Bland			
<b>Odour</b>	Faint Distinct			
<b>Moisture</b>	12% Max			
<b>Mucilloid content</b>	86% min	95% min	98% min	99% min
<b>Light Extraneous Matter</b>	15% max	5% max	2% max	1% max
<b>Heavy Extraneous Matter</b>	1.1.% max	1.1.% max	1.1.% max	1.1.% max
<b>Swell Volume/gm</b>	35 ml/min	40 ml/min	40 ml/min	50 ml/min

# PACKAGING & LABELING LAWS - FSSAI

- **Labeling should contain following information:**
  - ✓ Name of the food product.
  - ✓ List of ingredients.
  - ✓ Nutritional information.
  - ✓ Declaration of VEG and NON VEG.
  - ✓ Declaration of added food additives.
  - ✓ Name and address of manufacturer.

## PACKAGING & LABELING LAWS - FSSAI

- ✓ Net quantity
- ✓ Code number
- ✓ Lot number/ Batch number.
- ✓ Date of manufacturing.
- ✓ Best before date
- ✓ Country of origin.
- ✓ .Number of pieces
- ✓ Bar Code
- ✓ Brand Name etc



