THEME-COTTON SEED & OIL (VALUE ADDITION/ BY PRODUCTS & NUTRACEUTICALS)

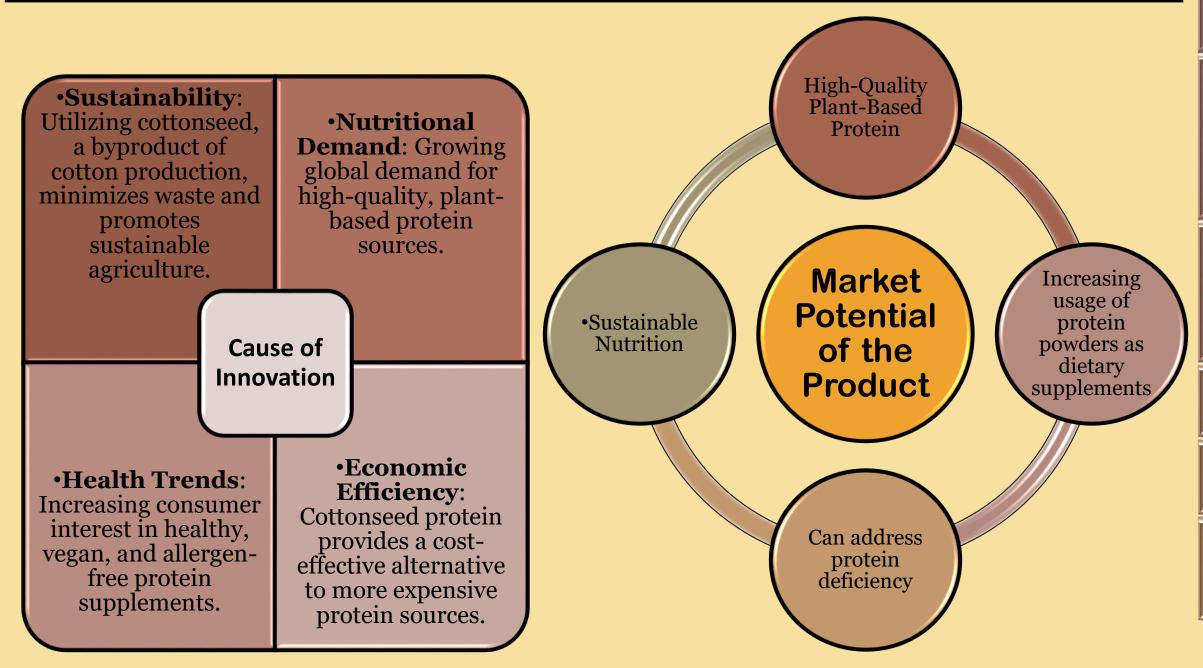
Development of a Novel Sustainable Cottonseed Protein Supplement from Deoiled Cotton Cake and Value Addition / Byproducts Utilization

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Purpose: To provide a sustainable, high-quality plant-based protein supplement that meets dietary needs and supports health and wellness.



NUTRITIONAL BENEFITS

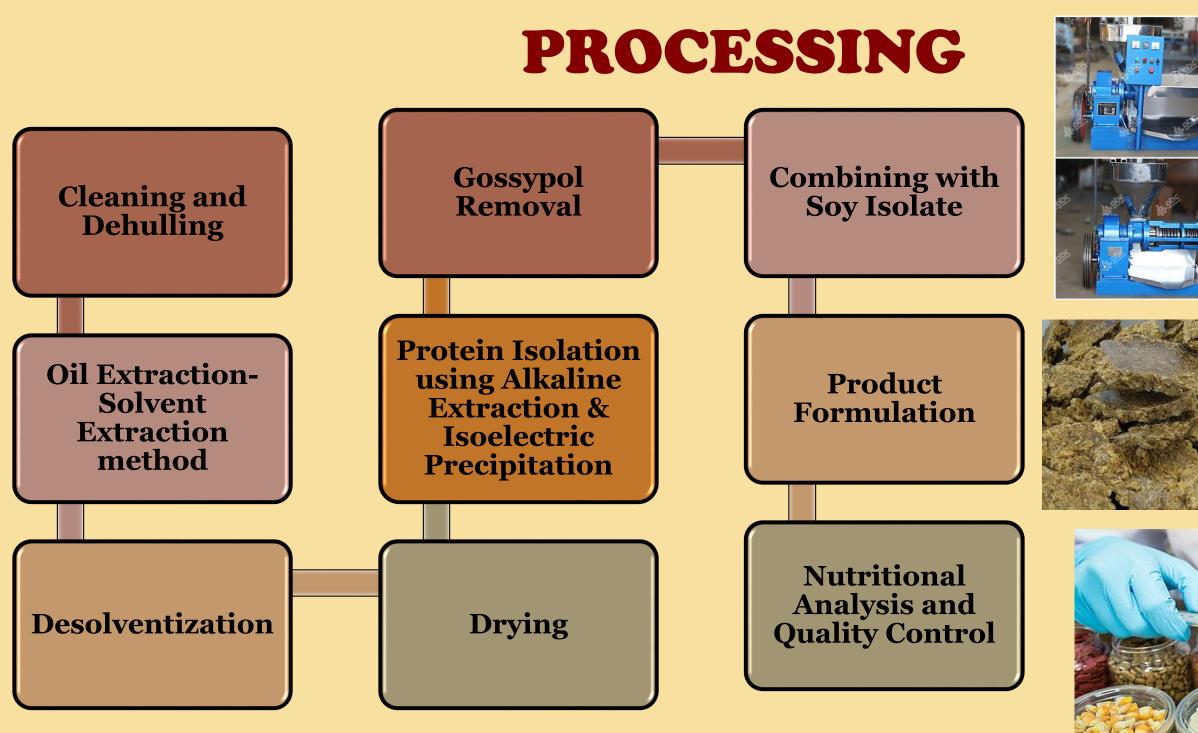
Contains 21-23% protein, which can be further concentrated in protein supplements

Contains essential fatty acid which is beneficial for heart health

Has high fiber content

Cottonseed contains natural antioxidants

> Power house of essential micronutrients



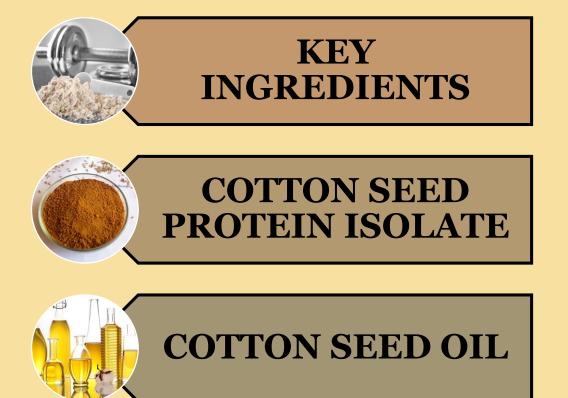








PRODUCT FORMULATION



•Combining cottonseed protein powder with soy protein isolate.

•Incorporating optional natural sweeteners, stabilizers, Flavorings, Fibers, Vitamins and minerals, Antioxidants and other ingredients.

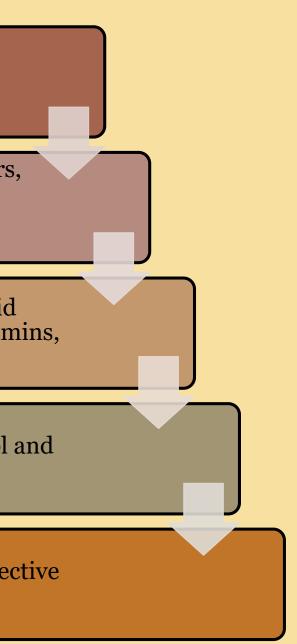
•Analyzing protein content, amino acid profile, fiber, fats, carbohydrates, vitamins, and minerals.

•Ensuring the absence of gossypol and other contaminants.

Maltodextrin, Milk Solids, Oils (Cotton Seed Oil & Soybean Oil), Sucrose, Nature-identical Flavouring Substances (Chocolate), Fructose, Cocoa Powder, Fibers (Soy Fiber & Polydextrose), Acidity Regulators, Minerals, Emulsifier, Choline, Vitamins, Antioxidant Premix (Antioxidants, Sunflower Oil & Rapeseed Oil).

INGREDIENTS: Cotton Seed Protein Isolate, Soy Protein Isolate,

•Conducting sensory and objective Evaluation



CONCLUSION

Cottonseed and Soy Protein Powder is a blend of high-quality cottonseed and soy protein isolate, offering a unique protein source with a light beige color and neutral or slightly nutty flavor. It is gossypol-free, high in protein, and eco-friendly, making it suitable for low-fat and low-carb diets. It is rich in fiber, aids digestion, and provides satiety. It is vegan and allergen-free, making it suitable for individuals with dairy or gluten allergies. It can be added to smoothies, baked goods, or as a supplement to daily diets.



THANK YOU

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