

Nutritious Soy for Haiti



National Soybean Research Laboratory

*Research, Outreach and Education
Supporting soybean production and nutrition*

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Value of Soy for Haiti

Health

- Nutrition and growth
- Disease prevention

Value*

- Soy is an Inexpensive, High Quality Protein - *important when animal products are too costly or not available.*
- Impactful Protein to Supplement Local Foods to Improve Nutrition.

Functional Properties

- Water absorption
- Emulsification
- Texture



Protein Quality

Product	PDCASS Score
Egg White	1.00
Cow's Milk (Casein)	1.00
Beef	0.92
Soybean	0.90 – 1.00
Pea	0.73
Kidney Bean	0.68
Chickpea	0.66
Oats	0.57
Peanut Meal	0.52
Lentils	0.52
Rice	0.47
Corn	0.42
Whole Wheat	0.40

Soy as a Solution in Haiti

The National Soybean Research Laboratory (NSRL) and the World Initiative for Soy in Human Health (WISHH) have been working in Haiti for over five years through the support of the Illinois Soybean Association.



Soy Outreach in Haiti

- Work with a Local Consultant
 - Mr. Alix Douyon
- Projects Include:
 - School Lunch Nutrition
 - Nutritional Support for People Living with HIV/AIDS
 - Nutrition Education
 - Training
 - Processing - INTSOY
 - Cooking - Soy in Local Recipes
 - Local Product Development



Soy in Haiti School Lunch Nutrition



TSP and Defatted Soy Flour Incorporated into School Lunch Program with Espoir Anaise in 2005.

Incorporated TSP into Daily Lunch at Caroline Chauveau Girls School in Central in Port-au-Prince.



320 Girls receive TSP-enhanced Hot Lunch Daily & a Strong Nutrition Education.

HIV/AIDS Nutrition Support



- Provided Training to Local a Private Voluntary Organization (PVO), Espoir Anaise.

- Works with Local Families Living with HIV/AIDS.



- Espoir Anaise Initiated a Project with NSRL/WISHH to Include TSP into Dishes Served to Four Local Schools and in Diets for HIV/AIDS Patients Cared for by the Group.

Nutrition Education

- Included as a Component in Each Project.
- Foundational Piece with Long-term Impact.
- Several Seminars per Year.
- Newspaper, Television, and Radio Interviews Discussing Soy in Local Recipes and Soy Impact for Health and Nutrition.



Training

- Training in Miami for Groups to Work with Textured Soy Protein, Soy Milk, and Defatted Soy Flour in their Local Dishes and Delicacies.
- Several Public Cooking Demonstrations Held in Haiti Each Year.
- INTSOY Course Participation.



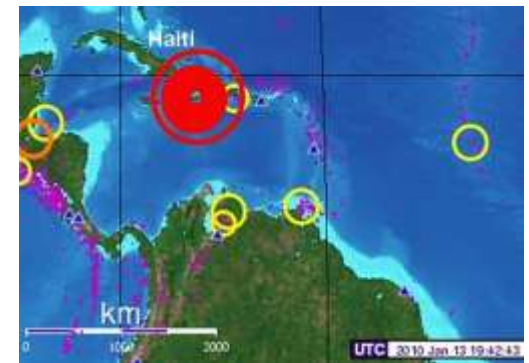
Product Development

- Pate Korde – *Creole*
A Popular Twisted Dough Pizza-Like Dish Sold Street-side by Local Street Vendors Now Contains TSP in the Meat Mixture Filling
- Soy Flour Combined with Local Fruit Juices for a Higher Protein Beverage



Haiti Earthquake, 2010

- The quake struck on January 12, 2010 at 4:53 p.m. EST
- The 7.0 magnitude quake's epicenter hit just 16 miles away from the capital, Port-au-Prince
- 230,000 estimated dead (Government of Haiti)
- \$8-\$14 billion reconstruction costs, per Inter-American Development Ban
- 80% of major destruction in Port-au-Prince; 180 government buildings destroyed; 200 million cubic yards of debris



Emergency Relief

Immediately Following the January 2010 Earthquake, NSRL/WISHH and the Illinois Soybean Association Organized the Shipment of a Container of Soy-enhanced Dehydrated Soup to Haiti.



Emergency Relief



- Container Contains Approximately 975,000 Servings of Soup (potatoes, rice, TSP, carrots, lentils).
- Beneficiaries include:
 - Haiti National School Lunch Program (PNCS)
 - Caroline Chaveau Girls School
 - Government Commission on Food & Water
 - Centres Gheskio (Government HIV/AIDS Support Centers)
 - Local Orphanage & Community Feeding Centers

Thank You

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