

Breedlove



Feeding The Hungry

Breedlove is unique in that it is the only commercial scale non-profit food processing plant dedicated to providing hunger relief products.

Mission:

To Develop collaborative partnerships that allow the Corporation to produce the maximum amount of nutritious food possible and deliver it to those in need throughout the world.



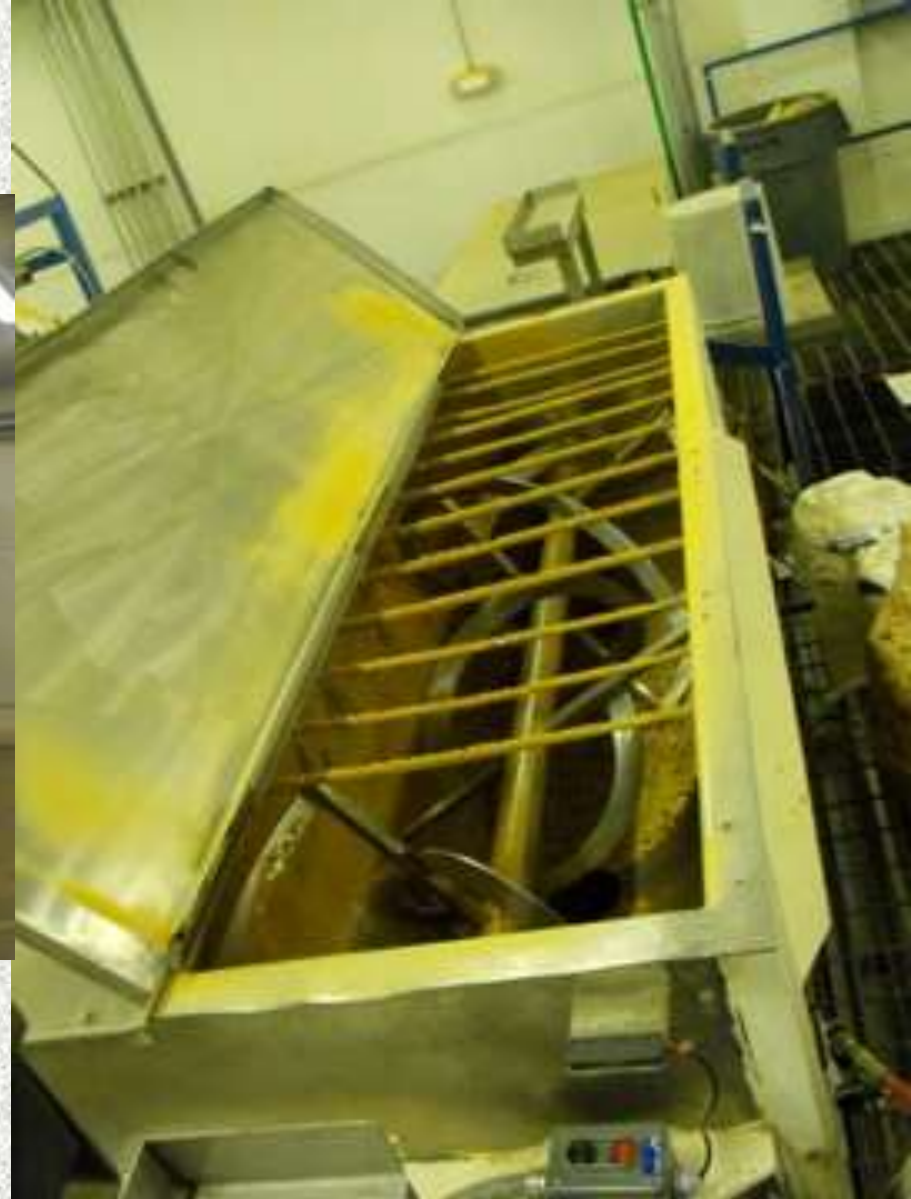
Breedlove Foods Inc was established in 1994 to take advantage of vegetables surplus to the market, dehydrating them to produce a shelf stable product for use in domestic hunger relief projects. We provided a home for homeless vegetables.

The Breedlove Plant processes an average of 14 million pounds of surplus raw produce per year.



Dehydrated Potato becomes a central ingredient for many Breedlove products





Packaging Department

Dry blending allows custom formulation to meet specific nutritional and cultural needs



Custom labeling and package sizes
accommodate a variety of needs.



Warehouse has capacity to accommodate procurement opportunities and most emergency shipping needs.

How does Breedlove differ from a normal processor or supplier?

1. As a public trust Breedlove has no owners or shareholders.
2. 501 (c) 3 status allows for reduced overhead.
3. The facility and equipment was largely funded by private sources.



What is the bottom line?

1. There is no silver bullet, use a balanced approach to nutritional needs.
2. Design a blended product with the greatest impact at lowest possible cost.
3. By using full fat soy flour as a base, a 100 gram serving delivers more than 500 calories of energy and substantial % RDA for Vit/Min
4. Vegetable Blend products have held at <\$0.05/serving.
5. Target for RUTF product is \$0.12-0.15



FOOD AID SITUATION

The majority of food aid by weight is provided by the United States.

Since 1970 it has contributed an average of 6 million tons of cereal food aid annually and has been the source of 50 to 60% of total cereal food aid.

(World Food Programme, 2005b).

The WFP in 2005 stated that if food aid reaches the hungry poor, humanitarian food aid is potentially important to the short run access to food of many who suffer from hunger. However, it is far from reaching the more than 800 million hungry people in the world.

- The size of rations falls short of the 182.5 kilograms that WFP estimates necessary to fulfill daily caloric requirements of 2100 kcal.

- Malnutrition increases morbidity and mortality, and affects physical growth and development.
- It is becoming increasingly clear that some of these effects are the result of specific nutrient deficiencies.

WHAT IS NEEDED?

A supplemental food that improves nutritional well-being.

- Promotes weight gain and recovery from malnutrition.
- Contributes to drug tolerance during medical interventions.
- ***To integrate nutritionally enhanced foods into food programs.***

BREEDLOVE FOODS CONTRIBUTION

Soy spread which allows:

- Distribution of more servings per containers proper for remote locations.
- Low productivity cost.
- Nutritional added value.

BREEDLOVE SOY SPREAD

Principal ingredients:

Full fat soy flour, oat and malted barley.

About Soy

- Reduction of risk of coronary heart disease (Clarkson et al., 1995).
- Reduction of some forms of cancer (Aldercreutz et al., 1991)
- Positive impact in bone density (Chan et al., 2001).
- Mood improvement and mental function (Mintel's Global New Products Database).
- Reduce a baby's susceptibility to rotavirus infections by as much as 74 percent (University of Illinois at Urbana-Champaign (UIUC)).

About Barley

- Barley is rich in soluble fiber and a proven cholesterol-buster.
- Barley is a valuable source of iron, potassium, zinc, and selenium.

About Oats

- Both, barley and oats, contains B-glucans which are important for lowering blood cholesterol.
- Oats in addition, provide lipids that offer a natural source of antioxidants (Holmes, 1991).

Nutrient			
proximates		100g	%RDA
Energy	kcal	580.07	29.00
Protein	g	14.525	29.05
Total lipid (fat)	g	42.641	65.60
Saturated Fat	g	4.0872	20.44
Cholesterol	mg	0	0.00
Carbohydrates	g	36.658	12.22
Fiber, total dietary	g	6.2682	25.07
Sugars	g	2.7591	
Calcium, Ca	mg	74.382	7.44
Iron, Fe	mg	2.154	11.97
Magnesium, Mg	mg	115.93	28.98
Phosphorus, P	mg	231.6	23.16
Potassium, K	mg	477.16	13.63
Sodium, Na	mg	3.024	0.13
Zinc, Zn	mg	1.8446	12.30
Copper, Cu	mg	0.5464	27.32
Manganese, Mn	mg	1.6452	
Selenium, Se	mcg	2.205	
Iodine, I	mcg	85.217	56.81