

# Edesia

GLOBAL NUTRITION SOLUTIONS



MALNUTRITION is an underlying factor in more than five million child deaths each year – more than AIDS, TB, and malaria combined. Millions more survive, but remain stunted for life and are unable to reach their full mental and physical capacity. However, malnutrition is preventable and there are solutions.

Edesia is an independent non-profit dedicated to the prevention and treatment of malnutrition in the developing world through the use of Ready-to-Use Foods (RUFs). This commitment is demonstrated by Edesia's mandates:

- Produce Plumpy'nut®, Supplementary'Plumpy®, Plumpy'doz®, and Nutributter® for humanitarian organizations and non-profits.
- Collaborate on research and development to improve distribution systems and optimize the use of RUFs.
- Support local producers of RUFs in the developing world.



Edesia is a member of Nutriset's PlumpyField network, an international network of independent local producers dedicated to promoting nutritional autonomy worldwide.

## PRODUCTION

Edesia is committed to producing high-quality RUFs to meet the international programming needs of humanitarian and community-based organizations and non-profits. Edesia's 15,000 square foot state-of-the-art facility has the capacity to produce 6,000 metric tons of RUFs each year – enough to reach close to a half million children.

By providing U.S.-made RUFs and through partnerships with USAID and other respected international development organizations, Edesia works to increase access, spread awareness and bridge the gap between nutrition and food aid.

## RESEARCH AND DEVELOPMENT

Edesia is dedicated to research that broadens access to RUFs. By collaborating with respected researchers, academic institutions, field organizations and governments, Edesia addresses gaps in distribution systems and conducts research to optimize the use of products. By focusing on preventive products, Edesia works to meet the needs of vulnerable populations whose daily nutritional requirements are not currently being addressed.

Edesia is especially dedicated to widening distribution systems in Central and South America, a region that is currently underserved.

## SUPPORT OF LOCAL PRODUCERS

Edesia supports local producers of RUFs through strategic planning and assistance. Edesia helps with the establishment of new RUF production facilities and increasing the capacity of existing ones. This effort helps build nutritional autonomy in nations and communities.

Currently, Edesia partners with Power Foods in Tanzania to support production in Dar es Salaam. Edesia also works with the government of Tanzania to advocate for development and implementation of a national strategy to address malnutrition.

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Edesia's range of products are suited to address the whole spectrum of malnutrition – from treatment of the severest cases to prevention for children at the most critical stages of development. All of the products are ready-to-use and require no refrigeration, preparation or dilution.

### PREVENTING MALNUTRITION

Undernutrition is defined as insufficient food intake combined with repeated occurrence of infectious diseases (UNICEF, 2007). According to a recent report from UNICEF, 129 million children under five worldwide suffer from weight deficiency and 195 million from low height-for-age (stunting).\*

Edesia produces Nutributter® and Plumpy'doz® to prevent malnutrition. They are supplements to traditional foods, given in addition to breast milk, and are designed to sustain the growth of young children, improve their motor and cognitive development and reduce the incidence of malnutrition, whether chronic or acute, during critical periods of food insecurity.

### MODERATE ACUTE MALNUTRITION

Moderate Acute Malnutrition (MAM) affects approximately 61 million children under five worldwide.\* It corresponds to a state of emaciation or thinness.

Edesia produces Supplementary'Plumpy® for the treatment of MAM in children six months and up, as well as for other vulnerable populations (adolescents, pregnant and lactating women, people living with HIV/AIDS, refugees or internally displaced persons, etc.). The product is meant to be used as a supplement to traditional foods and has been used for children exiting therapeutic nutrition programs as a means of preventing the re-emergence of severe acute malnutrition.

### SEVERE ACUTE MALNUTRITION

Severe Acute Malnutrition (SAM) affects approximately 26 million children under five worldwide.\* It is characterized by severe emaciation, 'marasmus,' or by the presence of nutrition-related edemas (Kwashiorkor).

Edesia produces Plumpy'nut® for the treatment of SAM in children 6 months and up. Plumpy'nut® complies with the World Health Organization definition of Ready-to-Use Therapeutic Food (RUTF) that requires no prior preparation, dilution or reconstitution. Plumpy'nut® is distributed through Community-based Management of Acute Malnutrition (CMAM) programming where treatment takes place at home with mothers and caregivers, lessening the burden of inpatient care.

\* United Nations Children Fund - UNICEF: Tracking progress on child and maternal nutrition report, November 2009.

	 <b>nutributter®</b> <small>Patent IRD/NUTRISET</small>	 <b>plumpy' doz®</b> <small>Patent IRD/NUTRISET</small>	 <b>supplementary® plumpy</b> <small>Patent IRD/NUTRISET</small>	 <b>plumpy'nut®</b> <small>Patent IRD/NUTRISET</small>
<b>TYPE OF PRODUCT</b>	Lipid-based Nutrient Supplement (LNS)	Ready-to-Use Supplementary Food (RUSF)	Ready-to-Use Supplementary Food (RUSF)	Ready-to-Use Therapeutic Food (RUTF)
<b>PACKAGING</b>	20 gram sachet (108 kcal)	325 gram cup (1750 kcal)	92 gram sachet (500 kcal)	92 gram sachet (500 kcal)
<b>USE</b>	Promotes <b>healthy growth</b> and cognitive development.	Reduces the incidence of <b>acute malnutrition</b> during times of food insecurity.	Treats <b>moderate acute malnutrition</b> .	Provides nutritional rehabilitation for cases of <b>severe acute malnutrition</b> .
<b>TARGET POPULATION</b>	Suitable for children 6-24 months.	Suitable for children 6-36 months.	Suitable for children 6 months and up, as well as vulnerable adults (adolescents, pregnant and lactating women, people living with HIV/AIDS, etc).	Suitable for children 6 months and up and other vulnerable groups.
<b>DOSAGE</b>	One sachet per day for a minimum of 4-6 months.	One tablespoon three times per day. Each cup provides a one week supply.	For moderate acute malnutrition: 75 kcal/kg/day. (i.e. one sachet/day/5 kg child) Adult dosage: diagnosed on a case by case basis.	For severe acute malnutrition: 200 kcal/kg/day. (i.e. two sachets/day/5 kg child)
<b>INGREDIENTS</b>	Peanuts, sugar, vegetable oil, nonfat milk powder, whey, and vitamins/minerals.	Vegetable oil, peanuts, sugar, nonfat milk powder, whey, vitamins/minerals, and cocoa.	Vegetable oil, sugar, peanuts, whey, soy protein isolate, cocoa, and vitamins/minerals.	Vegetable oil, sugar, peanuts, nonfat milk powder, whey, vitamins/minerals, and cocoa.
	<b>PREVENTION</b>	<b>MODERATE ACUTE MALNUTRITION</b>		<b>SEVERE ACUTE MALNUTRITION</b>

Edesia recommends breastfeeding until 24 months, exclusive until 6 months.

Supplementary'Plumpy®, Plumpy'doz® and Nutributter® are nutritional supplements taken in conjunction with traditional foods and breastfeeding.