

Related Links

- [Papers in Press](#) >
- [Current Issue](#) >
- [Archive](#) >
- [Search](#) >
- [Editorial Board](#) >

**JUMP TO**



American Journal of Food Technology **RSS**

**Title:** Production and Characterization of a Weaning Food from Dissi-oule Rice and Philippine Peanut Locally Grown in Guinea

**Author:** [Alhassane Toure](#), [Zhang Xiaoming](#), [Aboubacar Sangare](#), [Mamadou Tafsir Diallo](#), [Li Xia](#), [Mamadouba Bangoura](#), [M. Lamine Bangoura](#) and [Janet Brook](#)

**Source:** American Journal of Food Technology 2 (5): 421-427, 2007

**VIEW**

- [:: Table of Contents](#)
- [:: Full Text](#)
- [:: Citation](#)
- [:: Quick Search in ASCI](#)

**Abstract:** The aim of present study is to make a low cost weaning formulation using traditional method. Appropriate process characteristics and blend formulations were developed for the preparation of a high protein-energy weaning food, using Dissi-oule rice and Philippine peanut. Since rice and peanut are deficient in lysine and methionine the ingredients were supplemented with skim milk powder. The product was based on a blend of dissi-oule rice flour (70%), Philippine peanut flour (20%), skim milk powder (10%), maltodextrin (1.97%), lecithin (0.17%) and hydrogenated peanut oil (0.5%). These ingredients were mixed, blended and fortified by dry mixing with vitamins and minerals. Weaning food made from dissi-oule rice and Philippine peanut had physical and sensory characteristics similar to those of traditional Guinean cereal-based weaning food but was of superior nutritional quality. The protein content was 18%, with 10% fat and 67% carbohydrate. Calcium, iron and phosphorus levels were also high. The blend can therefore be used as an ideal weaning food hence can improve the nutritional status of Guinean infants and can help solve problems associated with protein-energy malnutrition.

Find similar articles in ASCI Database  
[Malnutrition](#), [Dissi-oule rice](#), [Philippine peanut](#), [flour](#) and [weaning food formula](#)