



## IRON FORTIFIED RICE AND IRON PREMIX RICE FOR COMMERCIALIZATION

### The Problem

In 2015, about 26.3% Filipinos are poor and about 12.1% are food poor (NSCB, 2015). Poverty limits the choices of foods the population may have. As a result of nutrient inadequacies, high rates of under nutrition are experienced by Filipinos across population groups: underweight is 19.9% among under five years while among 6 to 10 years old the rate was 29.1%; among pregnant, 24.8% are nutritionally at-risk and 12.5% lactating women are suffering from chronic energy deficiency.

Highest prevalence of anemia was found among infants, 6 months to <1 year old (39.4%) and generally among the poorest groups, followed by pregnant mothers (25.2%), followed by elderly male >60 years old (23.1%) and lactating mothers (16.6%) (NNS, 2015).

### The Solution

Rice fortified with iron to effectively reduce iron deficiency anemia, thereby reducing malnutrition problems in the Philippines. Among adults there will be an increase in productivity, among pregnant women lower incidence of stillbirth, miscarriage, hemorrhage, and even death. Children will have improved learning and decreased behavioral problems.

### The Market

General population



### Technology Features

- Iron rice premix (IRP) technology from broken rice using hot extrusion process
- Iron-Fortified rice (IFR) technology by blending IRP with any variety of rice

### Current Status

Technology for iron- rice premix (IRP) and iron-fortified rice are ready for adoption by interested entrepreneurs and rice millers.

### What We Need

- Support and assistance from the LGUs for the implementation of rice fortification with iron
- Entrepreneurs who are willing to adopt the technology and commercially produce IRP or IFR

### Collaborators:



#### For more information:

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