

PLANTAIN-WHEAT COMPOSITE FLOUR

CSIR - FRI | BIOMASSWEB PROJECT

PLANTAIN

Plantain is a potential national food security and decreases rural poverty. However, there are huge post-harvest losses that can be curtailed by processing into value added foods. Matured green plantain may be processed into plantain flour. Wheat flour can be added to plantain flour to form plantain-wheat composite flour. Plantain-wheat composite flour. Plantain-wheat composite flour can be used by bakery and confectionery industries. Plantain composite flour is nutritious and quite versatile in its bakery applications as it contains high carbohydrate content and minerals. Plantain composite flour may consist of a mixture of plantain flour and wheat flour and/ or any other grain, cereal and legume flour. The plantain- wheat composite flour can be used in preparation of bread, cookies, cake, meat pie, doughnut, chips, chinchin, tatale, bofrot, togbee etc. Processing plantain composite flour is simple and does not require sophisticated equipment. Processing steps for plantain-wheat composite flour is outlined below:



Fig. 1. Stages of processing plantain-wheat composite flour

PLANTAIN-WHEAT COMPOSITE

FLOUR FLOW CHART

PROCESSING OF PLANTAIN - WHEAT FLOUR Select mature and healthy green STEP 1 **RAW MATERIAL** plantain for flour production STEP 2 WASHING Peel plantain with a sharp stainless steel STEP 3 PEELING knife and remove all discoloured parts. **STEP 4** WASHING Cut/slice peeled plantain into thin slices STEP 5 SLICING to facilitate drying process. DRYING STEP 6 Mill the dry slices / chips into flour using a hammer mill. After milling, the flour **STEP 7** MILLING may be sifted to obtain a free flowing plantain flour with uniform particle size. **STEP 8** PACKAGING

Planta n flour Fresh Plantain Add wheat Spreading Sorting flour Drying Washing Mixing Plantain wheat Peeling Milling flour Sifting Packaging Washing **Marketing**