



AGRICULTURAL MECHANIZATION DEVELOPMENT PROGRAM

**Institute of Agricultural Engineering
College of Engineering and Agro-Industrial Technology
University of the Philippines Los Baños
College, Laguna, Philippines**

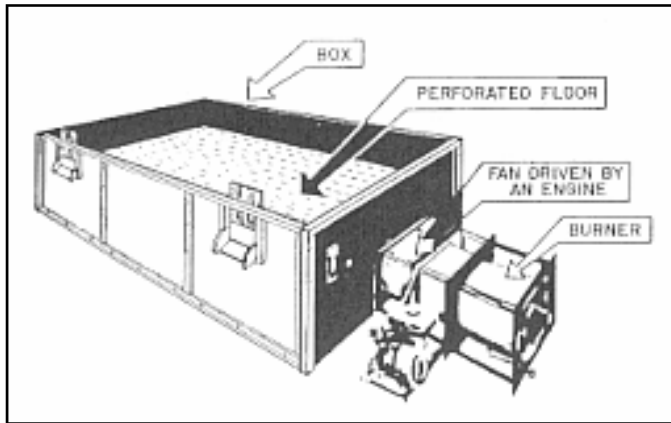
UPLB FLATBED DRYER



For more information, contact:

**The Program Director/Coordinator
Agricultural Mechanization Development Program
Institute of Agricultural Engineering
College of Engineering and Agro-industrial Technology
University of the Philippines Los Baños
College, Laguna 4031
Philippines**

Tel. No. (049)536-2686 or 536-8745, Telefax No: (049)536-3606



FEATURES:

- ❖ Low cost, compact and portable
- ❖ Uses locally available materials
- ❖ Needs little maintenance and easy to operate
- ❖ Dries 40 cavans of paddy per batch in eight hours
- ❖ Gives uniform final moisture content
- ❖ Has automatic safety feature to shut off burner
- ❖ Choice of heat source: kerosene or rice hull furnace

SPECIFICATIONS:

Power: 3 hp electric motor or 5 hp gasoline engine
 Main Components: 1) bin to hold the grain on a perforated or lanced sheet metal
 2) fan to force drying air
 3) burner or rice hull furnace to heat the air
 Grain Floor: 2.38 mm diameter perforated steel sheet, 0.76 mm thick
 Fan: 58 cm diameter vane axial type
 Airflow: 3,000 cfm
 Drying Rate: 26% MC (wet basis) palay to 14% MC in eight hours
 Fuel Consumption: Kerosene – 1.5 to 2.0 l/h
 Rice hull – 14 kg/h

Dimensions (cm):	Fan	Burner	Drying bin
Length	61	61	380
Width	69	69	197
Height	69	69	122
Grain Depth			45