



## **AGRICULTURAL MECHANIZATION DEVELOPMENT PROGRAM**

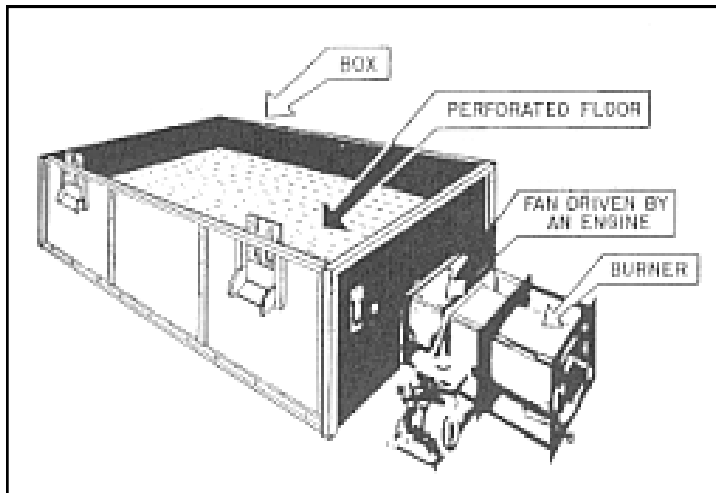
**Institute of Agricultural Engineering  
College of Engineering and Agro-Industrial Technology  
University of the Philippines Los Baños  
College, Laguna, Philippines**

### **UPLB FLATBED DRYER**



**For more information, contact:**

**The Program Manager  
Agricultural Mechanization Development Program  
Institute of Agricultural Engineering  
College of Engineering and Agro-industrial Technology  
University of the Philippines Los Baños  
College, 4031 Laguna, Philippines  
Tel. No. (049)536-2686, Telefax No: (049)536-3606  
Email: [amdpu@uplb.edu.ph](mailto:amdpu@uplb.edu.ph) or [amdpu@uplb.edu.ph](mailto:amdpu@uplb.edu.ph)  
Website: <http://iae.uplb.edu.ph/index.php/amdp>**



### 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