

Energy-Saving PhilRice Machines

Instead of using diesel or gasoline to fuel machine for irrigation and drying, PhilRice uses rice hull and wind power.

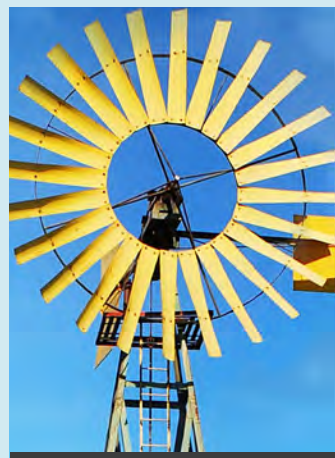
1 ton rice hull is equivalent to 360 L of diesel or 480 L of gasoline.

Water Pumps



Rice hull Gasifier

- The Rice hull Gasifier can be used as an alternative water harvesting method to provide irrigation water in the rice-based communities with limited access from grid water source for irrigation.
- Can also be used for generator set (for lighting, fan, TV), household ricemill, and others.



Wind Power

- Wind pump irrigation system works like a typical wind mill, except that it can be used in drip and micro sprinkler irrigation as well.

Grain Drying



Maligaya Flatbed Dryer

- This dryer can dry 6 tons of palay in one operation.
- Farmers can prevent 0.7 to 8.7% losses drying in busy roads.

Cooking



Maligaya Rice hull Stove

- Stove is almost smokeless and easy to ignite.
- No wood shavings, paper, or wood sticks needed.