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PORTABLE ORGANIC PADDY WEEDER MACHINE

IP / Patent : PT/4742/UNIMAP/13



PROBLEM STATEMENT

- The existing weeder machines are not suitable to use in the organic paddy farm (Kampung lovely Sik Kedah)
The farmers use traditional tools to manage the organic paddy farm

PRODUCT DESCRIPTION

- Objective: To develop a portable organic weeder machine to aid paddy farmers
Summary of Invention: Portable organic weeder machine was developed to aid organic paddy farmers (Sik, Kedah). The plethora of weeding machines available in the market today are not suitable for organic paddy farms. The weeding tool that use in an organic paddy farm, Lovely plantation, located at Sik Kedah is manually operated machine. With the collaboration of UniMAP and a community in Sik Kedah, the farmers are hopefully no longer rely in the manual weeding machine to weed their paddy field.

PRODUCT ADVANTAGES

- High mobility
Easy to use

NOVELTIES

Special weeder blades



Manual weeder machine 1



Manual weeder machine 2



Manual weeding technique



COMMERCIAL POTENTIAL

Being a staple crop consumed by nearly half of the world population, the demand of rice is ever increasing. As the awareness on organic food rises, organic rice definitely has it share in the organic food market.

Facts & Figures

Malaysia Paddy Production 2010 = 1.46 Million Tonnes

Paddy Organic Costing

Table with 2 columns: Practice (with/without chemical) and Cost (RM). Rows include Current Practice, Paddy Organic, and Total Saving.

*output 1 tan

Machine Specification

Table with 2 columns: Specification and Value. Rows include Dry weight, Engine displacement, Handle type, Output, Length w/o cutting head, Fuel tank capacity, Start assist system, Ignition system, Gear reduction ratio, and Daily vibration exposure.

*1: Unit without cutting attachment and shield