

Purpose

- ❖ Plant protection in agriculture field

Features

- ❖ A handy solar equipment for insecticides/pesticides application
- ❖ Capacity 0.75 ha hr^{-1} , weight 6.5 kg
- ❖ Components: Photovoltaic (20 Wp PV) panel, carrier, maintenance free storage battery, compatible duster, illumination kit
- ❖ Useful for plant protection in agriculture, provides shade to the user
- ❖ Prevention of harmful effects caused by dusting insecticide powder manually
- ❖ Prevention of crop diseases
- ❖ Eco-friendly device
- ❖ Domestic illumination during night

Capacity and approx. cost per unit

- ❖ Field capacity 0.075 ha h^{-1}
- ❖ Rs. 8000/-

Energy saving/year (MJ)

- ❖ $12.0 \text{ kWh ha}^{-1} \text{ year}^{-1}$ by using solar PV duster

Reduction in GHG emission

- ❖ $10 \text{ kg CO}_2\text{e per year}$

