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85 PROJECT

MECHANICALLY OPERATED PESTICIDE SPRAYING MACHINE



In agriculture, sprayer is a piece of equipment that is used to spray pesticides in the fields. Conventional spraying technique uses hand-operated power sprayers with backpack. The area per hour covered with these types of devices is low. Some sprayers also require petrol or diesel as a fuel. Labour cost for this system is also high. Some devices cannot even be rotated 360 deg.

To overcome these problems, the proposed work deals with the design and fabrication of pesticide series sprayer with the feature of 360 deg. pipe rotation and adjustable pipe length. The model was designed by using CATIA and fabrication was carried out by different techniques. Real-time testing was carried out at different fields.