

DESIGN OF A BATTERY OPERATED SPRAYER TO SPRAY PESTICIDES AND HERBICIDES INTO A VEGETABLE FARM

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ABSTRACT

This project objective is to design a battery operated sprayer to spray pesticides and herbicides into a vegetable farm. To fulfill this project requirement, the design and construction is divided out into 3 stages. The 1st stage is to design and construct the sprayer circuit. The 2nd stage is to design and construct the boom supporting structure and finally, it is to design and construct the model tractor. All 3 stages are analyzed and discussed. The purpose of designing boom support is for the attachment of nozzles. In this project, the model tractor is designed to drive the boom supporting structure and sprayer circuit.