

QUAD HELICOPTER

ABSTRACT

The application of pesticides and fertilizers in agricultural areas is of prime importance for crop yields. The use of aircrafts is becoming increasingly common in carrying out this task mainly because of its speed and effectiveness in the spraying operation. However, some factors may reduce the yield, or even cause damage (e.g. crop areas not covered in the spraying process, overlapping spraying of crop areas).

METHODOLOGY

UAV inbuilt pesticide sprayer is basically Sprayer integrated into a quad copter to spray pesticides in open crop fields. The main objective of this project is to reduce the ill-effects to humans. The UAV inbuilt sprayer contains a universal sprayer which is used to spray the Pesticide. The Universal nozzle is used to regulate the Liquid content. The pressure pump is used on a Pesticide spraying. GPS navigation is used here for auto guidance system for UAV.