



SEED NURTURE PROTECT

Aerial Crop Spraying Solutions



OUR COMPANY

Drone Dusters are exclusive representative importers and distributors of drones that are manufactured by Zoomlion and Zhuhai Yuren Agricultural Aviation. Zoomlion are manufacturers of major hi-tech equipment in construction, agriculture, energy, environment, transportation, distribution and many other industries. Since its inception in 1992, the Company has made concerted and intensified efforts in all of its innovations and developed into a global giant that has become the 6th largest international specialized machinery manufacturer.

DRONE INTRODUCTION

Declining farming profitability, politics and water scarcity (drought, declining rainfall or over-demand for water) has left South Africa with less than two-thirds of the number of farms it had in the early 1990s. Farmers are now forced to find more cost effective and efficient methods to seed, fertilize and protect their crops and drive higher yields with declining resources and escalating costs.

Over the past few years, a growing ecosystem of drone solutions has emerged, making it possible to put aerial data to work in new and exciting ways, ranging from detecting crop damage, analysing stand counts and cost effective and efficient mechanisms for deployment of crop saving pesticides & fertilisers for maximum healthy crop yields.

Drones offer unparalleled and disruptive reduced operating costs. Drones can safely fly closer to the ground and spray the exact amount of payload with increased efficiency reaching the base of the crops as well as under the leaves whilst protecting the environment by reducing the amount of chemicals penetrating into groundwater or lost due to wind drift.

INTELLECTUAL PROPERTY

Our products own more than 80 patents that are specific to agricultural drone purposes. We have completed patent applications in USA, Canada, Europe, Australia, Brazil, Argentina, Japan, Korea, Malaysia, Vietnam, India, Thailand, Taiwan and South Africa.

Patent NO: ZL201510095796.8

Patent NO: ZL201210232773.3

Patent NO: ZL200410010721.7

Patent NO: 201810304070.4

Patent NO: 201710978440.8





Multi-function Dispensing System

Our patented multi-function dispensing system provides a modular system for spraying liquid chemicals, delivering fertilizers, spraying powder and precision seeding. The body is made of carbon fiber, aviation aluminum which is anti-corrosive, light weight, strong and durable.

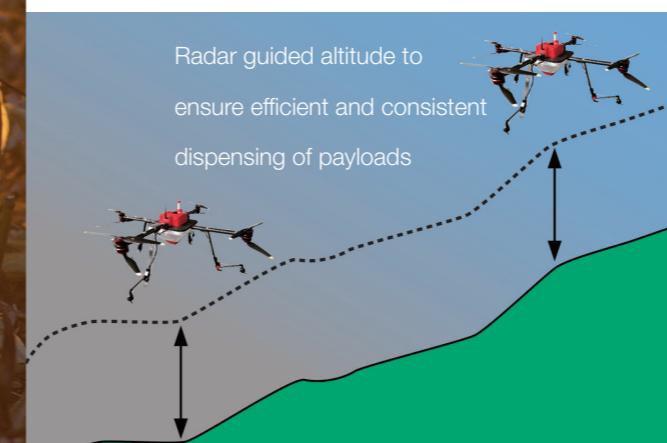


Fast Folding and Easy to Transport

The light cross structure designed body can be folded quickly and conveniently for transportation .

Intelligent System Technologies

Autonomous obstacle avoidance - If the drone detects an obstacle in its flight path it will automatically pause operation or re-route itself to a safe point on the original flight path.



Management System

The online management system provides a convenient platform to download and store all flight data, routes for analysis and planning. Coverage and efficiency can be assessed and adjusted for the next flight time. Prerecorded field plans can be stored and no fly zones like electric pylons, telephone lines and other hazards can be added. The runtime use drone equipment can be tracked and monitored for preemptive maintenance and to avoid down time.



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