

Patent No:  
21853

# COCONUT TREE CROWN MANAGEMENT

CEYLON AGRO FOOD TECHNOLOGIES

<sup>1</sup>  
by

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*Capabilities under the tree crown  
management service*



- *Spraying the entire coconut tree crown as required*
- *Spraying for pests such as Coconut Mite and White Fly*
- *Harvesting of fruit bunches*
- *Pollination including preparation of pollen*

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# SPECIFICATIONS

*Base – Mobile trailer with the with hook to connect to tractor*

*Spraying arm – Remote controlled by operator located at ground level*

*Spraying arm Movement:*

- *Rotating up to 360 degree on the horizontal plane*
- *Rises from 0° (horizontal) to 70°*
- *Length of spray gun of arm 1.2m*
- *Spraying distance from tip of spray nozzle -2m*
- *Spraying pressure at 6 m - 22Mpa*



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# EQUIPMENT



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## THE TRAILER



The trailer can be pulled by any vehicle (Tractor, Truck, or 4WD vehicle) equipped with a hooking mechanism.

Trailer will carry ;

A self levelling hydraulic jacks to keep level, of the base of the trailer

A telescopic mast capable of rising to 20m from base of trailer. The mast will be a hydraulically with a compressed air servo system

- *Portable generator*
- *Portable air compressor*
- *Spray material tanks – capacity up to 400 L*
- *High pressure spray pump with adjustable nozzles*



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# EQUIPMENT

## ON THE TRAILER

- *High pressure spray pump with pre adjusted nozzles with with variable spray types*
- *Internet linked camera on the mast top - remote controlled for universal rotation*
- *An internet linked camera located on the spray nozzle to assess the effectiveness of the spray*





# *How it works*

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*Please go through the link*



<https://drive.google.com/file/d/1cdTySJ3mAadonVSUOuKiXJk4Gfg2Br4G/view?ts=6399449e>

