



COLLARD®

Collard Defoliators

BUILT TO PERFORM



**FROM FLOWERING
TO HARVEST**



Leaf and flower cap removal is achieved by the Ellipse Multirotor's flow of low pressure air, produced by a booster which is blown through the fruit zone leaves by rotating nozzles. The rotating nozzles create pulsed air which removes the leaves from both the outside and inside of the canopy row, achieving a selective leaf removal around the grapes.

COLLARD ELLIPSE MULTIROTOR LEAF REMOVAL ADVANTAGES

- The fruit bunches are cleaned by the removal of dead flower caps, allowing better aeration of the fruit zone
- Lower levels of disease pressure
- Better efficiency of spray treatments
- The Collard pneumatic system also removes leaves from inside the canopy, effectively cleaning the fruit zone
- Leaf removal prior to hand pick harvest clears the outside leaf layer without damaging fruit. Make your picking crew 25 - 40% more efficient especially in white varieties.

Air filtration with pre-cleaner



Joystick control of hydraulic functions and rotor speed



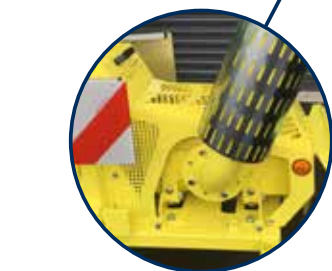
Breakaway system to protect the frame



Easy adjustment with pull pin to adjust from 340mm through to 640mm working swath without tools



Pressure regulator with safety valve



Low pressure NX5 Booster runs cooler and quieter. Gentler on fruit



Ellipse Multirotor's compact design easily slips through the canopy



Easily change nozzle size to suit desired removal intensity



Compact Ellipse head design for easy entry into row/crop



E2200 3P

Defoliates two half rows. Simple operation of vertical lift/lower and synchronised row width adjustment with the electronic joystick control.



E2200F AND E2200F MAX

Defoliates two half rows. Independent lift of heads and synchronised row width. Easy operation and viewing of heads in canopy.

The E2200 F MaX features the NX8 Booster and double nozzled rotors for increased efficiency and faster ground speed.



E3200

Defoliates two complete rows. Can be manufactured to suit specific vineyards and with hydraulic functions to suit vineyard.



SPECIAL BUILD

Collard can build a defoliator for your application. Whether it is for mounting on a harvester tractor or to suit a particular vineyard Collard have the experience to supply a product for the job.



REMARKABLE VERSATILITY

From flowering to harvest



EARLY SEASON

Open up the canopy for effective spray coverage of the developing fruit; especially with critical high value applications. The pulsed air also removes the trash and caps from the bunches for cleaner fruit prior to bunch closure.



MID SEASON

When high disease pressure is encountered Collard defoliators can remove another layer of leaf to open up the canopy for exceptional aeration, especially through the with holding timeframe.



HARVESTING BY HAND

- Removes the leaves
- Removes moisture
- Cleans the fruit zone and frees the fruit
- Potential time saving of 25 to 40%

DEFOLIATOR MODEL SPECIFICATIONS



	E2200F	E2200F MaX	E2200-3P	E3200F	E3000
Model Type	Front Mount Heads and Rear Air System	Front Mount Heads and Rear Air System	Rear Mount Unit	Front Mount Heads and Rear Air System	Harvester Mounted
Configuration	2 heads – in row	4 heads – in row	2 heads – in row	4 heads – 2 complete row	2 heads – 1 complete row
Nozzles operating per head	2	4	2	2	2
Weight Front*	342 kg	342 kg	NA	675 kg	122 kg
Weight Rear*	412 kg	352 kg	710 kg	480 kg	144 kg
Horsepower requirement (PTO)	39 HP	70 HP Hydraulic Drive	39 HP	70 HP	Hydraulic Drive
Electronic joystick	Yes	Yes	Yes	Yes	Yes
Booster	NX5	NX8	-	-	-

*Weight may vary according to options fitted



COLLARD

BA Pumps & Sprayers is the official Australasian Collard distributor

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