

CROPLANDS QUANTUM MIST™ 420 SMART SPRAY 2 ROW SPRAYER



Quantum Mist Smart Spray is the premium model sprayer in the vineyard model line-up.

Available in 2 and 3-row configurations the QM Smart Spray is packed with new technology and innovation.

PRODUCT DETAILS

Make	Croplands
Model	QM420-SS-2 Row
Tank Capacity	2000L, 3000L, 4000L
Fan Size	420mm
Pump	0-15 bar, AR185LFP (182L/min)
SKU	CROPLANDS-04

PRODUCT DESCRIPTION

TANK

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Impact resistant polyethylene tanks with UV-stabilised finish.

Calibrated sight gauge, flip-open filling lid with large basket strainer (screw lid on 2000 litre two-row model), separate chemical pre-mixer and 1¼" drain valve. Quick fill system and chemical suction probe standard on all models.

Models available:

- 4000 litre main tank, separate 80 litre flushing tank
- 3000 litre main tank, separate 90 litre flushing tank
- 2000 litre main tank, separate 130 litre flushing tank - two-row models only

Separate 15 litre fresh water tank on all models.

FANS

QM420 (420mm) axial - type fan heads.

Four or six fans per row depending on canopy type and prevailing conditions. Fans are hydraulically driven simultaneously from tractor remotes or via optional Micro Power Pack.

The QM420 is an all new fan featuring:

1. Turbulent, high volume air for optimum canopy penetration and coverage
2. Dual spray rings are fitted with a total of ten x nozzles. Five nozzles fitted to the low volume spray ring, and five nozzles fitted to the medium volume spray ring. When combined, deliver a high volume application rate (three tiered spraying)
3. Protective new fan frame mounting system which enables precise fan angles to be easily set up and maintained using stainless steel indexing brackets

OPTIONAL DRIFT REDUCTION/RECAPTURE SYSTEM

Optional on Quantum Mist™ Smart Spray model sprayers

Reduces spray drift and returns captured "over spray" back to tank.

Modular design for easy removal. Kit consists of Inner screen mounted on main tank chassis. Outer screen mounted off new multi-row mounting bracket.

Captured spray is pumped back to main product tank via simple venturi suction system and is filtered through in-line suction filters prior to returning to tank.

TRACTOR OIL SUPPLY AND HYDRAULIC CONTROL

All Quantum Mist Smart Spray sprayers are fitted with a new hydraulic distribution block on the sprayer which is operated by the Fusion Controller, incorporating electronic soft start.

OPTIONAL MICRO POWER PACK (INDEPENDENT OIL SUPPLY)

Revolutionary registered design unique to Croplands. Micro Power Pack standard on three-row models and two-row models with twelve

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fans, optional with either fans with the product pump driven from the tractor's hydraulics.

PUMP

- Two-row - AR oil back diaphragm type poly pump with chemical resistant diaphragms, AR185LFP (182L/min), 0-15 bar

OIL COOLER

All models fitted with deluxe fan forced oil cooler with thermostat control.

DRIVE

- PTO shaft (SH1AG/1200) for standard model
- PTO shaft (SH4AG/1200) for Micro Power Pack model

CONTROLS

Fusion Controller is standard.

Touch screen display for programming and operating spray application functions as well as hydraulic boom and fan functions purpose built for viticulture.

Includes Integrated joystick control for boom functions and spray valves.

AGITATION

Twin Supa-flo agitators.

FILTRATION

Lid strainer, large suction filter, pressure filters.

NOZZLES

Customer/dealer to specify nozzle selection.

Default option is ALBUZ 80-degree ceramic hollow cone nozzles (brown and yellows).

ALBUZ 60-degree ceramic hollow cone or ARAG 40-degree ceramic hollow cone recommended with recapture.

CHASSIS

Tandem walking beam axle is standard. Full length heavy duty, galvanised chassis with single step and jockey stand/ wheel. Self-steer drawbar standard on all models.

WHEELS

- 11.5/80 x 15.3 AWT tyres fitted as standard.
- 31 x 13.5 - 15" flotation tyres can be fitted as option on 3000 and 4000 litre chassis.

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OVER ROW HYDRAULIC FOLD ARMS

Independent left and right boom fold as standard via the Fusion controller.

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