

CROPLANDS

SPRAYER SPECIFICATIONS WARRANTY & PRE-DELIVERY HORTICULTURE

WWW.CROPLANDS.COM.AU

STOP

BEFORE COMMENCING
operation, **ENSURE** you read
& understand this manual, its
contents, and any additional
information supplied.



GP-WARH-A | updated Jan 2021



GENERAL MANAGER'S WELCOME



Sean Mulvaney
General Manager

Dear Customer

Congratulations on the purchase of your new Croplands Sprayer.

Croplands have been in the business of building sprayer equipment since 1972. For over 49 years we have been supplying sprayers to farmers, contractors, growers and all our customers involved in growing crops and in the control of pests and diseases.

Croplands is a wholly owned subsidiary of Nufarm Ltd, the largest supplier of crop protection chemicals for Australasia, and one of the fastest growing global suppliers world-wide.

At Croplands, we pride ourselves on our commitment to supplying machinery that is at the forefront of the industry's needs. We believe we can back up our products and through constant research and development, bring to you the best equipment you can find.

We welcome any feedback from you about our equipment.

On the back cover you will find our contact details, and locations where our staff can be reached during business hours. After hours, you can email us and expect a reply the following morning.

Please read the supplied manuals in their entirety before you operate your sprayer. This will ensure you have a trouble free start up.

We trust you will get years of good use from your Croplands Sprayer.

Yours Sincerely

Sean Mulvaney
General Manager

CONTENTS

- Sprayer Specifications & Factory Fitted Options
- Online Parts Information
- Transport & Product ID
- Safety Information
- Warranty Policy
- Pre-Delivery Check List
- Warranty Registration

Croplands has taken steps to ensure this operator's manual is as current and as accurate as possible. Due to the ever-changing markets of cropping and farming, Croplands is constantly striving to be at the forefront of innovation and technology. While the information in this manual is considered accurate at the time of writing, Croplands reserves the right to change this information without notice. Croplands will not accept liability for any inaccuracy in this publication, or changes forthwith.

SPRAYER SPECIFICATIONS & FACTORY FITTED OPTIONS

IMPORTANT! Please keep this unique Serial Number & Sprayer Specification Sheet for future reference.

Dealer Copy

Remove this page and store it with the "yellow":

- Predelivery Check List page and
- Warranty Registration page.

ONLINE PARTS INFORMATION

WARRANTY & PRE-DELIVERY

Please see your Croplands Equipment dealer for provision of all Warranty Services

Croplands Customer Service

Australia

Freecall: **1800 999 162**

Freefax: **1800 623 778**

sales@croplands.com.au

www.croplands.com.au

New Zealand

Freecall: **0800 106 898**

Freefax: **0800 117 711**

sales@croplands.co.nz

www.croplands.co.nz

Note: One Operators Manual is supplied with each sprayer and does not include detailed parts information.
Parts information is provided online & must be sourced from the Croplands website.

SPRAYER SPECIFICATIONS & FACTORY FITTED OPTIONS

IMPORTANT! Please keep this unique Serial Number & Sprayer Specification Sheet for future reference.

Owner Copy
DO NOT REMOVE this page.

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WARRANTY & PRE-DELIVERY

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Note: One Operators Manual is supplied with each sprayer and does not include detailed parts information.
Parts information is provided online & must be sourced from the Croplands website.

TRANSPORT & PRODUCT ID

TRANSPORT

See Operator Manual for sprayer size, weights and towing speeds.

Where applicable, all controllers, manuals, wiring looms, etc, are supplied in a separate, sturdy, weather resistant transport box.



A transport box

PRODUCT IDENTIFICATION

Always use the serial number of the Sprayer when requesting service information or when ordering parts.

Early or later models (identification made by serial number) may use different parts, or it may be necessary to use a different procedure for specific service operations.



Sprayer Serial Number

Sprayer Serial Number Plate

The Sprayer Serial Number Plate is located on the chassis above the hitch adjustment (A).

This plate shows name of manufacturer, serial number, product code and date of manufacture.

AR PUMP SERIAL NUMBER



AR Pump Serial Number

The AR Pump Serial Number Plate is located on the pump (B).

This plate shows name of manufacturer, serial number, type of pump, year of manufacture, maximum flow rate and maximum working pressure of the pump.

CONTROLLER SERIAL NUMBER(S)

Controller serial numbers are generally located at the:

- Rear (eg, Bravo 180 [X], HV4000 & MT3405 [not shown]),

or

- Side (eg, WEEDit Controller [not shown]).



Bravo 180/S Controller

SECTION 2

SAFETY

SAFETY FIRST

Please read and understand all supplied manuals, guides and safety decals before operating this sprayer. This includes the **Croplands Operators Safety Manual** – as pictured here.

This manual is available on the Croplands Web site, or for printed versions contact Croplands customer support and ask for part number GP-SAFE-A (or later version if available).



WARRANTY POLICY

WARRANTY POLICY

Croplands Equipment Pty Ltd (trading as Croplands) warrants to its authorised Dealer, who in turn, warrants to the original purchaser (Owner) that each new Croplands' sprayer, part or accessory will be free from proven defects in material and workmanship for twelve (12) months from the date of delivery to the first Owner according to the conditions outlined. This warranty does not cover damages resulting from abuse, accidents, alterations, normal wear or failure to maintain or use the Croplands product with due care.

During the warranty period, the authorised Croplands Dealer shall repair or replace, at Croplands option, without charge for parts and labour any part of the Croplands product, which fails because of defects in material or workmanship. The Owner must provide the authorised Dealer with prompt written notice of the defect (within 14 days of its occurrence), and allow reasonable time for replacement or repair. Repair may, at Croplands option, include the replacement of parts with functionally equivalent reconditioned or new parts. Replacement parts will be warranted for the balance of the original warranty period or for ninety (90) days, whichever is longer. Croplands (at its option) may request failed parts to be returned to the factory. Any travel time of a service technician and/or transportation of the Croplands product to the authorised servicing Dealer for warranty work are the responsibility of the Owner.

EXCLUSIVE EFFECT OF WARRANTY AND LIMITATION OF LIABILITY THIS WARRANTY IS IN LIEU OF ALL WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PURPOSE OR OTHER REPRESENTATIONS, WARRANTIES OR CONDITIONS, EXPRESSED OR IMPLIED. The remedies of the Owner set forth herein are exclusive. CROPLANDS neither assumes nor authorises any person to assume for it any other obligation or liability in connection with the sale of covered machines. Correction of defects, in the manner and for applicable period of time provided above, shall constitute fulfillment of all responsibilities of CROPLANDS to the Owner, and CROPLANDS shall not be liable for negligence under contract or in any manner with respect to such machines. IN NO EVENT SHALL THE OWNER BE ENTITLED TO RECOVER FOR INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES SUCH AS BUT NOT LIMITED TO, LOSS OF CROPS, LOSS OF PROFITS OR REVENUE, OTHER COMMERCIAL LOSSES, INCONVENIENCE OR COST OF RENTAL OR REPLACEMENT EQUIPMENT.

CONDITIONS OF WARRANTY

1. The warranty is not transferable.
2. The Warranty Registration Form must be returned to Croplands by the Owner Operator within 14 days of taking delivery of the unit. Only when warranty registration is completed and returned, can Croplands fulfill all warranty obligations.
3. Schedule of components and conditions not covered by warranty are:

Abuse	Failure resulting from neglect, such as improper operation, lack of required maintenance or continued use of a sprayer after the discovery of a defect which results in greater damage to the unit.
Environmental Conditions and Application	Deteriorated or failed components such as: diaphragms, O-rings, hoses, seals, electrical wiring and connections damaged by corrosive chemicals, dirt and sand, excessive heat or moisture. Owners should ensure the type and strength of chemicals used in the sprayer are compatible with the design of the unit. Warranty determination for these types of failures will be made by Croplands only after inspection of failed components. In most instances these will incur inspection charges and cost of replacement parts.
Normal Wear	Normal wear and consumable items such as: oils and lubricants, diaphragms, filter elements, flowmeters, clutches, bearings, fan belts, drive belts, pivot pins, paint, light bulbs and nozzles are considered to be normal wear items and are not warranted.
Maintenance	Component failure caused by not performing scheduled maintenance service such as: oils, grease, failure to clean tanks, pumps, filters, spray lines, nozzles or any other blocked components. Not tightening or replacing loose or missing bolts, nuts, fittings, shields and covers.
Damage	Damages or machine failure caused by carelessness or accidental damage, improper operation, excessive speed during travel and operation, inappropriate transportation or storage of the sprayer or attachment.
Power Source	Failures due to faulty or inadequate electrical sources of power. Owners who use their own 12 volt power source must make sure that it is suitable for operating the spraying equipment.
Alterations	Any unauthorised alteration, modification, attachments or unauthorised repairs to the Croplands sprayer or attachments. Written approval must be obtained from Croplands for any such items to maintain warranty.
Removal & Installation	The time taken to remove and re-install a warranted part or component into other brands of sprayers will not be covered by Croplands warranty. Only parts and labour directly attributable to the repair of the Croplands unit is covered.
Clean-up Time	Croplands do not pay for cleaning the sprayer, parts, accessories or work area before or after the warranty repair. Clean-up time is affected primarily by the application or conditions in which the sprayer is operated and maintained. Since clean-up time can be so variable, cleaning time should be considered a customer expense.
Transportation	Warranty does not cover transportation or insurance costs for sprayers or other equipment needing repair or replacement of warranted components. Nor does it cover any freight or insurance costs in obtaining new parts or returning old parts to Croplands for inspection purposes.
Costs	Warranty does not cover time required to diagnose a warranty problem. Diagnostic time is affected greatly by the training and expertise of the technician employed to do the job. With proper training of service personnel, diagnostic time should be at a minimum.
Diagnostic Time	Croplands expects that Dealers will assign a well trained and proficient technician to handle any warranty repairs. Since Croplands is not in control of either of these responsibilities, we elect not to cover diagnostic time.
Non-Genuine Parts	Use of parts other than Croplands parts for repair of warranted parts will automatically negate any warranty. Warranted components must be replaced with genuine Croplands repair parts.
Unauthorised Repairs	Repairs by an unauthorised agent will automatically forfeit any warranty. An authorised Croplands Dealer must carry out warranty repairs.

PRE-DELIVERY CHECKLIST

The Pre-Delivery Check List must be completed by the Dealer & signed by both the Dealer and the Owner, and the white copy returned by the Dealer to Croplands.

✓	Tick each box to affirm completion
1	Operator's Manuals Supplied
	Sprayer Operators Manual
	Spray Controller Manual
	Safety Manual
2	Trailer
	Undamaged
	Hitch height adjusted
	Hitch Jack lubricated
	Check paint
	Self-tracking drawbar (if fitted)
3	Wheels & Hubs
	Greased
	Bearings adjusted
	Split pin and dust caps in place
	Wheel nuts tight & threads greased
	Check tyre pressure
4	Tank
	Undamaged
	Agitator adjusted correctly
	Check main lid opens and seals shut correctly
	Chemical mixing basket in place
5	Check All Tank Fittings Are Sealed
	Suction line
	Drain outlet
	By-pass line
	Mixing basket line
	Agitators
6	Power Drive
	(a) PTO
	Check quick release pins operate easily and lock into place
	Check universal joints work correctly
	Adjust PTO length to suit tractor
	Grease telescopic sliding shaft
	Grease universal joints
	Check safety shields are in place

	Tick each box to affirm completion
6	Power Drive
	(b) Hydraulic Pump Pack (if fitted)
	Check reservoir oil level
	Check oil pump gearbox oil level
	Check system operates correctly
7	Pump
	Check mountings
	Check oil level
	Check air chamber pressure - 70-100kPa (10-15 psi)
	Check operation
8	Suction Lines
	Undamaged
	Hoses - no kinks or restrictions
	All joins sealed (no air leaks)
	Filter clean & sealed
	Tighten all hose clamps
9	Pressure Lines
	Undamaged
	Hoses - no kinks or restrictions
	All hoses sealed (no leakages)
	Filter clean & sealed
	Tighten all hose clamps
10	Nozzles
	Undamaged
	Nozzle filters clean
	Nozzles correct type throughout
	Nozzle caps sealed (no leakages)
	Non-drip diaphragms working
11	Agitation
	Check agitator works correctly
	Check hoses are properly sealed
	Tighten all hose clamps
12	Controllers
	Check installation
	Check battery connection
	Fully check controls operation

	Tick each box to affirm completion
13	Auto Spray-Rate Controller
	Check installation
	Check battery connection
	Calibrate controller
	Fully check controller operation
14	Fresh Water & Flushing Tanks
	Undamaged
	Check fittings
	Check operation
15	Main Control & Drain Valves
	Check there are no leaks
	Check all valves open & close easily
16	Fan Motors
	Check oil level in tractor/power pack
	Check hydraulic hose connections
17	Fan Heads
	Check mountings
	Check blades undamaged
	Check fan operation
18	Fan Housings
	Bolts tight
	Fan guards fitted securely
	Nozzle fitted correctly
19	Boom Functions (if fitted)
	Undamaged
	Bolts tight
	Check all hydraulic lines and connections
	Check electrical connections for controls
	Check and adjust all operations
20	Decals
	Check all decals are in place
21	Other

OWNER

☐ Farmer

☐ Contractor

Owner's Name (print) _____

Address _____

Postcode

Phone _____

Mobile _____

Email _____

Signature of Owner _____

Date ____ / ____ / ____

DEALER

Dealership Name (print) _____

Address _____

Postcode

Email _____

Signature of Dealer Representative _____

Date ____ / ____ / ____

Machine Serial # _____

WARRANTY REGISTRATION

Warranty Registration: The Owner acknowledges that the Owner has read & understood all terms & conditions of the Croplands’ warranty policy contained in this manual. The warranty policy will commence upon installation. This Warranty Registration **must be completed & signed by both the Owner & the Dealer**, & the white copy returned by the Dealer to Croplands.

Model

Size

Serial No

Purchase Date / /

Pre-Delivery Completion Date / /

IMPORTANT

By executing this Warranty Registration:

1. The Owner:

- (a) Agrees that the Owner will read the Operator’s Manual before using the Sprayer; will follow all procedures in the operator’s manual for the use of the Sprayer, and will exercise due care in the use of the Sprayer;
- (b) Agrees that Croplands’ liability for any loss or damage suffered by the Owner in connection with the Owner’s use of the Sprayer is limited to the cost of repair or replacement of the Sprayer;
- (c) Agrees that the Owner will bear any loss the Owner suffers as a consequence of any failure by the Owner to comply with 1 (a) above;
- (d) Acknowledges that the owner is trained and is fully responsible for the safe and correct operation of the Sprayer; and
- (e) Agrees that the Owner will fully train any person who might be required to operate the Sprayer as to how to operate the Sprayer in a safe and proper manner.

2. The Dealer undertakes that the Dealership has met the obligations of Sprayer pre-delivery, installation, service and warranty start up.

OWNER

Owner’s Name (print)

Address

Postcode

Phone

Mobile

Email

Signature of Owner

Date / /

DEALER

Dealership Name (print)

Address

Postcode

Phone

Mobile

Email

Signature of Dealer Representative

Date / /

Owner’s Machinery Register: (This information will assist us in providing first class back-up and parts service)

1. Type of purchaser (please tick) ☐ Owner/Farmer ☐ Share Farmer ☐ Contractor
2. Major activities (please number in order of importance):

☐ Sheep

☐ Beef

☐ Cereal Grain

☐ Cotton

☐ Nuts

☐ Vegetables

☐ Flowers

☐ Dairy

☐ Nurseries

☐ Fruit Trees

☐ Parks & Lanes

☐ Sugar Cane

☐ Vineyards

☐ Council/Govt

☐ Other

3. What is the size of your holding (hectares)?

4. What are your reasons for purchasing the Croplands Sprayer?

5. What other Croplands’ machinery do you currently use?

Serial No.	Implement Type	Size	Age	Comments

Top Copy (White) - Forward to Croplands; Second Copy (Yellow) - Dealer’s Copy; Third Copy (Blue) - Owner’s Copy

WARRANTY REGISTRATION

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OWNER

Owner’s Name (print) _____

Address _____

Postcode

Phone _____

Mobile _____

Email _____

Signature of Owner _____

Date / / _____

DEALER

Dealership Name (print) _____

Address _____

Postcode

Phone _____

Mobile _____

Email _____

Signature of Dealer Representative _____

Date / / _____

Owner’s Machinery Register: (This information will assist us in providing first class back-up and parts service)

1. Type of purchaser (please tick) ☐ Owner/Farmer ☐ Share Farmer ☐ Contractor
2. Major activities (please number in order of importance):
- ☐ Sheep

☐ Beef

☐ Cereal Grain

☐ Cotton
- ☐ Nuts

☐ Vegetables

☐ Flowers

☐ Dairy
- ☐ Nurseries

☐ Fruit Trees

☐ Parks & Lanes

☐ Sugar Cane
- ☐ Vineyards

☐ Council/Govt

☐ Other

3. What is the size of your holding (hectares)?
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Model _____

Size _____

Serial No _____

Purchase Date ____ / ____ / ____

Pre-Delivery Completion Date ____ / ____ / ____

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OWNER

Owner’s Name (print) _____

Address _____

Postcode

Phone _____

Mobile _____

Email _____

Signature of Owner _____

Date ____ / ____ / ____

DEALER

Dealership Name (print) _____

Address _____

Postcode

Phone _____

Mobile _____

Email _____

Signature of Dealer Representative _____

Date ____ / ____ / ____

Owner’s Machinery Register: (This information will assist us in providing first class back-up and parts service)

- 1. Type of purchaser (please tick) ☐ Owner/Farmer ☐ Share Farmer ☐ Contractor
- 2. Major activities (please number in order of importance):
 - ☐ Sheep ☐ Nuts ☐ Nurseries ☐ Vineyards
 - ☐ Beef ☐ Vegetables ☐ Fruit Trees ☐ Council/Govt
 - ☐ Cereal Grain ☐ Flowers ☐ Parks & Lanes ☐ Other
 - ☐ Cotton ☐ Dairy ☐ Sugar Cane
- 3. What is the size of your holding (hectares)?
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Serial No.	Implement Type	Size	Age	Comments

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CROPLANDS

AUSTRALIA

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Dry Creek
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Dry Creek SA 5094
Australia

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NEW ZEALAND

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Location:
1422 Omaha Road,
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Your nearest Croplands Dealer
can be found in the dealer section
on the Croplands website