



## AS2000 SERIES SPREADER



Proudly Distributed by  
**WARINGA** 





## Precision Spreading Equipment

Spread a wide range of materials including fertiliser, lime, and gypsum with the Agri-Spread AS2000 Series Spreader and take your spreading program to the next level!

The AS2000 includes exclusive design features and technology for precise application of product whilst being extremely durable and simple to operate.



### AGRI-SPREAD PRECISION SPREADING EQUIPMENT RANGE

Agri-Spread International is based in Ballyhaunis, Ireland, with over 50 years' experience in manufacturing agricultural machinery. Agri-Spread are always evolving and developing their products to meet customer needs, retaining their earned reputation of simplicity, durability, and accuracy.

Waringa Distribution is the proud distributor of Agri-Spread's spreading equipment across Australia and New Zealand. The range includes the **AS2000 Series Spreader** for spreading a wide variety of materials, and the **VB-Pro** and **Pro Plus Rear Discharge Spreaders** capable of handling a variety of bulk products.

Waringa works closely with their manufacturers to develop and adapt products for Australia's unique conditions, and has played a key role in the testing and development of Agri-Spread equipment, to ensure customer expectations are exceeded.



### AS2000 SPREADERS

The AS2000 precision spreader meets the requirements of convenience, serviceability, productivity, and accuracy. It is accredited to spread urea to 41m and lime to 15m, with interchangeable lime and fertiliser discs.



#### LIME DISCS

Robust, hardened steel lime discs are designed to handle the harshest products to ensure an accurate and even spread. Intended for use with lime, gypsum, manure, and compost, and available with optional Teflon plates for spreading sticky products.



#### FERTILISER DISCS

Fertiliser discs are steel pressed, extremely durable, and designed to handle product with care to maintain an even spread pattern. Adjustable vane positioning maximises width and maintains a low coefficient of variation (CV) for all product types.





## AS2000 SPREADER RANGE

The AS2000 is available in single or tandem axle options in capacities up to 22m<sup>3</sup>. Agri-Spread's axles are designed to suit a variety of paddock conditions, and have a proven reputation for being durable and reliable.

The rear steerable axle on the tandem models minimises dragging when cornering, making the spreader easier to tow. There is also reduced soil and crop disturbance, as well as less wear on the machine's undercarriage.

### SINGLE AXLE MODELS

#### AS265

7m<sup>3</sup> capacity | 7.7T fertiliser | 9.2T lime

#### AS285

7.6m<sup>3</sup> capacity | 8.5T fertiliser | 11.9T lime

#### AS2100

10m<sup>3</sup> capacity | 10.1T fertiliser | 13.5T lime

#### AS2120

12m<sup>3</sup> capacity | 11.9T fertiliser | 14.5T lime

### TANDEM AXLE MODELS

#### AS2130T

13m<sup>3</sup> capacity | 13.5T fertiliser | 17T lime

#### AS2150T

15m<sup>3</sup> capacity | 17T fertiliser | 19.5T lime

#### AS2200T

20m<sup>3</sup> capacity | 16.6T fertiliser | 23.3T lime

#### AS2220T

22m<sup>3</sup> capacity | 21T fertiliser | 25T lime





# AS2000 SPREADER

## Capacity, Simplicity & Accuracy

The AS2000 is purpose built and extensively tested in Australia's tough conditions. All nuts, bolts and hydraulic fittings on the AS2000 are stainless steel, along with the bottom third of the bin.

The combination of high flotation tyres and a robust axle system with drawbar suspension, allows for a smoother ride ensuring an even and accurate product distribution with enhanced performance.



### LOADCELLS



The AS2000 loadcells are standard on all models. Four point load cells ensure spreader accuracy at all times with all products. The load cells can calibrate the rate on the go and adjust the CAL factor for products of varying bulk density.

### BIN AND CHASSIS

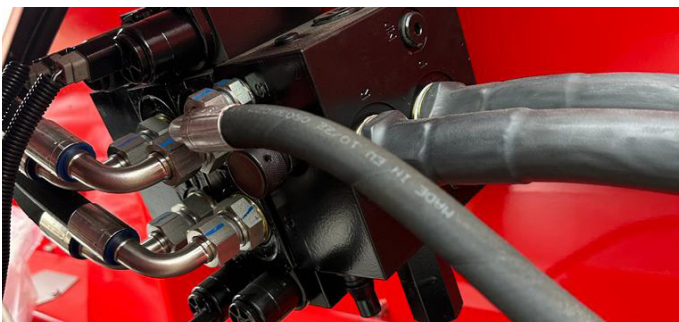


The AS2000 has a stainless steel bin, along the front rear and bottom third, providing longevity.

Stainless steel pressure and return lines are used to minimise oil temperature and increase durability. All other cabling is encased inside the chassis rails to avoid corrosion and damage.

All spreader bins are steel shot blasted and a two pack paint finish, providing longevity in high wear environments.

### LOAD SENSE HYDRAULICS



The AS2000 hydraulic valve assembly is compatible with tractors using load sensing hydraulics.

The disc spinners and belt drives independently control their hydraulic oil requirement for both pressure compensating and load sensing.

The hydraulic valve assembly is standard on the AS2000 and can also be operated as a fixed pump for non-load sensing tractors.

### VARIABLE RATE TECHNOLOGY



The AS2000 includes Agri-Spread's exclusive Variable Rate Technology (VRT) as standard.

VRT provides on-the-go weighing through the ISOBUS terminal and accurately applies variable bulk density products using load sense hydraulics and dynamic auto-calibration.

Variable rate applications utilise a pre-planned map to optimise product usage on paddocks with variability in soil and crop nutrition. The ISOBUS interface uses GPS positioning to implement the map and automatically control the application rate.

## EXCLUSIVE DESIGN FEATURES & TECHNOLOGY





## SPREADING DECK SYSTEM & VANE SPINNERS

The AS2000 has an adjustable rear spinner deck system with vane positioning.

The spreading deck has forward and backward positioning with two vane spinners (short and long) for controlling the placement of product. Spinner speeds are set from the cab based on the product being applied and spread width required. The operator sets the spread bout width with the deck and the pattern distribution with the vanes.

Based on the area to be spread, the VT Controller continuously fine tunes the flow rate of the product onto the discs to provide a high level of accuracy. Data is also collected for a detailed record of the applied product, including how much was applied and where.



## SECTIONAL CONTROL (FACTORY OPTION)

The AS2000 can be factory optioned with Automatic Sectional Control which uses GPS data and the ISOBUS interface to enable advanced variable rate spreading to significantly minimise product overlap.

The ISOBUS software interface features in-cab diagnostics for controlling the spreader and monitoring the conveyor and spinners for ease of use. Load cells are built into the mechanical design, along with a proven hydraulic system (load sense or fixed pump options), for precise application.

The twin belt system allows for up to 14 section swath width control with two independent, hydraulically controlled conveyors and spinners for the most precise product distribution.

The rate on either side of the machine can be changed as required, and the spinner speeds adjust automatically to match the width.

Boundary and headland spreading is also a one-touch operation.





# AS2000 SPREADER

## Standard Features & Additional Options



### AS2000 SERIES SPREADER (TANDEM MODEL SHOWN)

- **Sprung drawbar** removes jarring movements from the tractor towing hitch for a more accurate spread.
- **ISOBUS** rate controller and variable rate ready.
- **Hydraulic brakes** easily plug into the tractor's hydraulic braking system.
- **LED tail lights** to safely transport and move the machine.
- **Chains** designed to break up wet product for an even flow onto drop points and spinners.
- **Spring loaded roll tarp** easily operated at ground level at the rear of the machine.

### AGRI-SPREAD APP (TABLET & MOBILE)



The Agri-Spread App is free to download on the App Store and Google Play.

The App provides valuable setup and operational information, including operator and parts manuals, as well as maintenance and service diagrams.

### CALIBRATION & TESTING KIT



Included as standard to assist with the correct set-up and testing of the rate, flow and distribution pattern of products. The kit includes 13 test trays with dividing inserts, test tubes, bulk density meter, hardness tester, granular sieve, and a windometer.

### AS2000 SPREADER STANDARD FEATURES





## ADDITIONAL OPTIONS

### HYDRAULIC FOLDING CURTAINS

The optional hydraulic folding curtains enables the spreading of low-density products, such as lime sand, in difficult conditions without compromising spread width or distribution accuracy.

The curtains can significantly increase productivity in windy conditions. Incoming air is forced over the curtain to create a wake of low pressure, stalled air behind the machine. The applied product fills the wake and is forced to the ground by the high pressure air flowing over the curtain.



### 3M WHEEL CENTRES

The 3m axle option for single axle models is available for controlled traffic farming systems, and provides extra stability with a smoother ride. 2m axle width is standard.



### BORDER CONTROL

Border Control allows for the spinner speeds to be independently adjusted as required, to minimise product waste and overthrow when boundary spreading using the ISOBUS display.



### STAINLESS STEEL BIN

The painted grade 304 full stainless steel bin option provides complete rust protection which minimises maintenance and corrosion.



### LUG & FLOTATION TYRE OPTIONS

Agri-Spread have lug and flotation tyre options to suit a range of different farming programs. Tyre widths range from 300mm to 800mm. Other tyre options may also be available subject to model. Enquire for more information.







## AS2000 Product Specifications



### SINGLE AXLE MODELS

MODEL	AS265	AS285	AS2100 2m   3m		AS2120 2m   3m	
Bin Length (mm)	3330	3630	3630		4228	
Bin Width (mm)	2245	2245	2245		2245	
Loading Height - Load Cells (mm)	2560	2560	2800		2800	
Capacity (m³)	7	7.6	10		12	
Fertiliser Capacity (Heaped in Tonnes)	7.7	8.5	10.1		11.9	
Lime Capacity (Heaped in Tonnes)	9.2	11.9	13.5		14.5	
Unladen Weight (kg)	3500	4050	4300	4650	5150	5500
Carrying Capacity (kg)	9200	12000	13500		14500	
Tyres	600/55-26.5 BKT	600/55-30.5 BKT	650/55-30.5 BKT		650/55-30.5 BKT	
Axle Cross Section (mm)	1x120SQ	1x150SQ	1x150SQ		1x150SQ	
Axle Track Width (m)	2	2	2	3	2	3
Vertical Load on Hitch - Unladen (kg)	445	514	383	414	670	715
Vertical load on Hitch - Max Laden (kg)	2159	2729	2492	2541	3537	3600

### TANDEM AXLE MODELS

MODEL	AS2130T 2m   3m		AS2150T	AS2200T	AS2220T
Bin Length (mm)	4640		4640	5632	5632
Bin Width (mm)	2245		2245	2245	2245
Loading Height - Load Cells (mm)	2710		2985	2870	3133
Capacity (m³)	13		15	20	22
Fertiliser Capacity (Heaped in Tonnes)	13.5		17	16.6	21
Lime Capacity (Heaped in Tonnes)	17		19.5	23.3	25
Unladen Weight (kg)	5800	6500	6730	6950	7300
Carrying Capacity (kg)	19500		19500	25000	25000
Tyres	600/55-26.5 BKT		600/55-26.5 BKT	650/65-30.5 BKT	650/65-30.5 BKT
Axle Cross Section (mm)	2x127SQ		2x127SQ	2x150SQ	2x150SQ
Axle Track Width (m)	2	3	3	3	3
Vertical Load on Hitch - Unladen (kg)	551	618	639	646	650
Vertical load on Hitch - Max Laden (kg)	3542	3640	3672	4793	5156

\*Capacity varies according to the density of the material spread. For the purpose of this table, densities of 1.4/1 have been used for lime/fertiliser respectively.

\*\*Loading heights varying depending on wheel specification and optional load cells.

\*\*\*Agri-Spread International reserves the right to modify or change designs, features, functionality, options and other product specifications without notice or obligation.

Agri-Spread International makes no warranty, representation or guarantee regarding the suitability of its machine products to discharge and spread all possible fertilisers, manures, lime types, gypsum types and other bulk product materials due to complex factors such as moisture, bulk density, particle size, particle shape, friction, cumulative strength, interlocking, cohesion, ratholing and bridging etc.

PROUDLY DISTRIBUTED BY

**WARINGA**

Global Brands, Premium Products

info@waringa.com.au

08 6154 5999

waringa.com.au

Your Local Agri-Spread Dealer