

 **ALPLER**



FERTILIZER & LIME
SPREADERS



- Excellent spreading capability
- Patented twin chain technology
- Superior performance, cost effective compared to competitors.
- Spreading feature up to 36 meters.
- Loadcell option
- Precision spreading, hydraulic control spinning and multiple drop point adjustment.
- Hydraulic drive machines are VRT ready (Variable Speed Technology) and compatible with most GPS systems.
- Simple and easy to use ground drive or hydraulic drive machines.
- Optional stainless steel or painted steel.
- All required nuts and bolts are stainless steel.
- Possibility to change and customize machine equipment according to customer requirements.



THINKING OF BUYING A NEW SPREADER. WHAT DO YOU LOOK FOR?

1. Materials

As you know modern fertilisers attract moisture, especially Urea. While paint and coatings are great, nothing has the durability of stainless steel for the bin and parts contacting the fertiliser. ALPLER Spreaders are built to last from the highest quality structural stainless steel. While we don't recommend you leave Urea in your spreader for extended periods you know this is built to last.

2. Build quality

ALPLER spreaders have been four years in the making. We've sourced the best design, and most robust proven technology to ensure you get the best quality spreader available. We've spent the last 2 years testing the machine to ensure it's right. The people behind ALPLER are experienced agricultural manufacturers and suppliers. We know what works, what's going to last and what it takes to design, engineer and manufacture a spreader that's going to last.

3. Lineage

Does the design of the ALPLER spreader look familiar? It should because it's the latest generation of the Transpread design used by all major spreader manufacturers. Originally designed by NZ spreading contractor and later designer and manufacturer David Hoyle. The ALPLER spreader you're looking at is the result of 60 years of spreader designs.

4. Warranty

2 year front to back warranty against manufacturing fault. Ask other spreader manufacturers if their warranty compares.

5. Simplicity

Looking for the moving parts? We took them all away and only kept what was absolutely necessary. And the parts we do have are all proprietary. The bearings, hydraulic loom and motors are more than likely on the shelf at any supplier near you. ALPLER keep a full range of parts in stock, but you'll know you can get our parts from anywhere.

6. The chain

How does the chain compare to a belt? ALPLER warrant the chain on our spreaders for 5 years. They're tough and durable and were originally designed for the salt spreaders in North America and Canada, and that is one tough environment. Plus they're a positive system, so gravity or slope doesn't affect the flow of fertiliser. Knowing that your spinners are getting active fertiliser flow in all conditions is the first step in ultimate fertiliser accuracy.

- Chain always gives material for spreading.
- Doesn't be affect by the grade of the field you spread.
- Can be used for a long time without any need for calibration.
- More accurate spreading rate as long as you follow the spreading table.
- No change in the spreading rate because of a slip.
- Doesn't leave materials on the bottom of the tank thanks to the plastic floor.
- It can clean itself thanks to nylon brushes.
- No change of length because of an extend.
- No maintenance required.
- You only have to adjust it once every six months.
- The demountable structure allows changing one single link.
- 10 years of trouble-free operations guarantee for even contractors.
- Large range of materials; fertilizer, lime, chicken manure, compost, sewage sludge.
- Cuts the lumps of lime and soil of fertilizer so there are no holes in the rate.

7. Accuracy

Every manufacturer tells you their spreader will throw to 24 or 36 metres. But it's how evenly it spreads within this range that makes a spreader truly great. ALPLER spreaders while throwing the required distance are also independently tested to ensure our CoV is under 15% (**Learn more about CoV at the next page**).

8. Spinner

They are designed to get the best results with different materials after years of trials.

- Two Hydraulically driven spreading discs allow steady spreading.
- Spinners are driven by two individual hydraulic motors that allow variable spreading width.
- Can use two different spreading widths as the spinners can spin at different speeds.
- The large speed range for spinners from 0 to 1000 rpm.
- Four spreading fins on the spinner for throwing any amount of fertiliser and lime
- Fertiliser goes to your crop from the top without damaging the the stalk of the plant.
- The airflow by the spinner sucks the material from conveyor.
- The trapezoidal shape of the conveyor provides a overlap which make it possible perfect spreading pattern at headlands spreading.
- One spinner for spreading lots of different products; fertilizer, lime, chicken manure, compost
- The universal spinner give you less work and saves your time

9. Hydraulics

A proportional 4-section electrohydraulic valve to regulate oil flow for individual engines, i.e. 2 motor driving chain conveyors and 2 motor driving spreading spinners.

10. A test kit

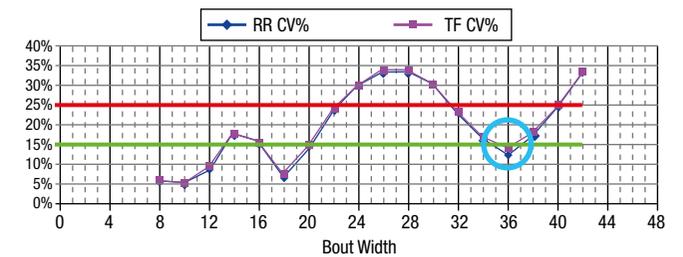
We all know there is a wide variation in fertiliser quality. ALPLER supply you with a test kit to calibrate and ensure the accuracy of your spreader in all conditions with all types of fertiliser. Plus we supply full instructions on how to use the kit and interpret the results.

11. Control

ALPLER has chosen TeeJet as the controller for the spreaders. TeeJet are proven in all forms of sprayer and spreader control and have been the gold standard for over 40 years in supplying the best control equipment to agriculture.

12. Ease of Use

ALPLER spreaders are fully isobus compatible. Simply plug and play into your isobus tractor and away you go. No need for another control box in an already cluttered cabin, simply plugin and away you go. Full control at your fingertips.



The results speak for themselves

The ALPLER spreader, in recent independent testing, achieved an unbelievable CoV of just under 13%. This CoV means not only are we spreading to 36m, we are also doing it more accurately and evenly than most other spreaders on the market.

Ask us for a copy of the independent test results.

THE COEFFICIENT OF VARIANCE?

The best way to measure spreader accuracy is by using the coefficient of variance (CV). It is fine to say the spreader will throw to 24 or 36m but it's the evenness of spread that makes all the difference. The CV is a measurement of the evenness of the spreading application, with a lower CV indicating a greater spreading accuracy.

The industry standard used in Australia is a maximum CV of 15% for granular products and a maximum of 25% for lime and gypsum. The CV value is a ratio of the standard deviation to the average value across the width of the bout, or the distance between passes.

To understand CV: we need to start with standard deviation, which is a measure of how widely a set of values differs from the average of these values. A sample with a high standard deviation would have a widespread of results, -and one with a low SD would have a very narrow spread of results.

SD would be fine for comparing spreader performance from one machine to the other if they all had the same average result, but this isn't the case. For that reason, we use the CV, which is the ratio of the SD to the average for a particular set of results.

**This excellent description of CoV courtesy of Kondinin magazine*

TCT

TWIN CHAIN TECHNOLOGY

WHAT DOES THE TWIN CHAIN TECHNOLOGY MEAN FOR YOU AND HOW DOES IT WORK?

The patented Twin Chains carrying the fertiliser to the spinners and the Twin Chain Technology software are the keys to save up to 30% of fertiliser

Twin Chain Technology

This technology is the only one that guarantees to control over the spread rates on both sides.

The Twin Chain Technology gives you full control of the spread width to either side automatically in conjunction with the GPS position. Competitors GPS systems are only able to map, or change the overall rate based on the GPS position.

Think about your spreading? Where do you waste fertiliser? Headlands, dodging trees dams etc, unevenly shaped paddocks? ALPLER Spreaders automatically vary the width to either side independently or stop and start in the headlands with no input from the operator.

Plus the ALPLER Twin Chain Technology will spread anything a single chain or belt spreader will, but control the product more accurately.

Do I save fertiliser?

Independent tests showed savings of 10-30% depending on conditions.

The ALPLER Twin Chain Technology removes the waste areas for fertiliser automatically. Plus our patented system has been independently tested to a CoV of less than 13%. Proven even spreading and full control of the spread rate to both sides of the machine automatically.



One more thing

Every ALPLER spreader comes with a full test kit. This allows you to test with all fertiliser types in the paddock and using our online system you enter the data and get accurate test results straight back. No wasted fertiliser.

WHAT MAKES AN ALPLER SPREADER DIFFERENT

Quality structural stainless steel hopper and all fertiliser engaging components. For long term durability and lifespan.

Full front to back two-years warranty on manufacturing, parts and build quality.

Fully OH&S compliant including no PTO shaft, internal and external ladders, full light kit and hydraulic brakes.

Rear door opens to 320mm for consistent and even feed of fertiliser to spinners. Also able to open wide enough for lime, gypsum, mulch or all types of manure.

Quality full flotation tyres. Interchangable for wheel widths 2.4m or 3m.

Feed chain warranty is 5 years. Any failure sustained under normal operating conditions, in the feed chain and we will replace free of charge within the first 5 years.

Twin chain technology combined with the patented software program gives you real width and variable rate to either side of the machine.

All bearings and hydraulic components are proprietary-available from quality machinery parts suppliers.



TeeJet equipped - ALPLER has chosen the TeeJet ISOBUS controller for our spreaders. ALPLER have a long association with TeeJet controllers and stand by their reputation for durability, reliability and backup.

STANDART EQUIPMENTS



Twin Chain

The twin chain system gives the spreader the ability to change the rate on either side of the machine. Also, the operator can shut off one side of the spreader for boundary or headland control.



Land Drive

A simple but highly successful ground drive system which automatically adjusts application rates as ground speed is increased or decreased during operation. This is particularly helpful in hilly and rough areas where a constant speed cannot be maintained.



Eaton Motors

Eaton motors are extremely reliable, compact, and have tremendous power density.



Adjustable door

The open discharge design allows light bulky products, like manures and compost to flow through to spinners effortlessly.



Spinner Disks

The spinners are extremely efficient delivering spreading widths up to 36 meters of pelletised product, urea up to 24 meters and lime up to 18 meters.



ISOBUS Rate Controller

With plug and play option that will integrate with any ISOBUS ready tractor. For tractors without ISOBUS technology, Alpler provides special displays for hydraulic controlled spreaders.



Lime, Manure and Gypsum

Every model is capable of handling almost any product from chicken litter and compost to urea, pelletised phosphates and lime.



Inspection Window

Inspection window allows the operator to view the contents and amount of the material in the hopper during operation.



Back Cover

Cover on the back provides rain and wind protection.



Flotation Tyres

Flotation tires have long been a staple on farms because of their ability to reduce soil compaction and rutting, along with other benefits such as improved traction, reduced fuel costs, and increased machine productivity and efficiency.



Inspection Ladder

Inspection ladder is available in all models and allows the operator to access and inspect the hopper safely and easily.



Test Kit

All machines are supplied with a test kit for calibration and accuracy of the door height and spread pattern.



Sprung Drawbar

Ensures the benefits of reduced shock on the tractor, increased trailer performance and a smoother, more poised transportation experience.



STOP Lights

Durable design which comply with international traffic regulations.



Roll Over Cover

Easy roll design, variable color option, tested for extreme conditions.



Bander Kit

Bander kit is designed for orchards and vineyards to deflect material underneath trees and vines.



Extention Boards

4 tons and 5 tons models can be fitted with extention boards to increase capacity for light products.



MODEL	Ground Wheels									Hydraulic Drive						
	GSR 3	GSR 4 Horticulture	GSR 4 L	GSR 5 Horticulture	GSR 5 L	GSR 6	GSR 8	GSR 10	GSR 11	GSR 10 C	GSR 11 C	GSR 13	GSR 15	GSR 16	GSR 20	GSR 22
CU. Capacity	2,5	3,5	3,2	4,6	4	4,8	6	7,9	9	9	9	10,8	12,7	12,7	16	17,6
Tonage Fertiliser	3	4,5	4	5,5	5	5,76	7,25	9,5	11	11	11	12,5	15	15	20	22
Tonage Lime	3,5	5	4,5	6,4	5,6	6,72	8,4	11	12,5	12,5	12,5	15	18	18	22,5	24,7
Bin Length	2000	2400	2400	2400	3000	2400	3000	3000	3000	3000	3000	4000	4000	5000	6000	6000
Bin Width	1800	1800	2000	1800	2000	2250	2250	2250	2250	2250	2250	2250	2250	2250	2250	2250
Bin Height	1080	960	1055	960	1055	1320	1320	1630	1630	1630	1832	1630	1832	1630	1630	1832
Conveyor Drive	Ground Wh.	Ground Wh.	Ground Wh.	Ground Wh.	Ground Wh.	Ground Wh.	Ground Wh.	Ground Wh.	Ground Wh.	Computer	Computer	Section Con				
Tyres	12.5/80x15.3	400/60x15.5	400/60x15.5	400/60x15.5	14.9x24	16.5/85x24	16,9 X 28	23.1x26	23.1x26	23.1x26	23.1x26	650/75Rx32	650/75Rx32	600/55Rx26,5	600/55Rx26,5	600/55Rx26,5
Single or Tandam	Single	Single	Single	Single	Single	Single	Single	Single	Single	Single	Single	Single	Single	Tandam	Tandam	Tandam
Hyd Brakes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Removable Drawbar	No	No	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Sprung Drawbar	No	No	No	No	No	No	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes
Adjustable DB height	No	No	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Ground Drive 3 Speed	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	No	No	No	No
Tachometer	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	No	No	No	No
Floor Feed Width	730	730	730	730	730	730	730	730	730	730	730	730	730	730	730	730
Wheel Option	400/60x15.3	11x22.5	11x22.5	14.9x24	11x22.5	11x22.5	x	x	x	x	x	650/65x30.5				
Axle Track	1700	1700	1700	1700	1700	2000	2000	2000	2250x2950	2250x2950	2250x2950	2250x2950	2250x2950	2250x2950	2250x2950	2250 x 2950
Square	70mm	70mm	70mm	70mm	70mm	90mm	90mm	90mm	140 x 14	140 x 14	140 x 14	150 x 14				
Stubs	6	6	6	6	6	10	10	10	10	10	10	10	10	10	10	10
Production Material	M or S Steel	M or S Steel	M or S Steel	M or S Steel	M or S Steel	M or S Steel	M or S Steel	M or S Steel	M or S Steel	M or S Steel	M or S Steel	M or S Steel	M or S Steel	M or S Steel	M or S Steel	M or S Steel

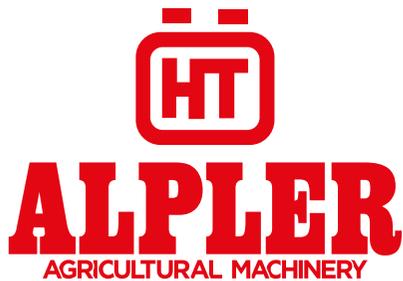
M: Mild Steel S: Stainless Steel

Options

Load Cells	Optional	Standard	Standard	Standard	Standard	Standard										
Computer ISO	Optional	Optional	Optional	Optional	Standard											
Display	Optional	Standard	Optional	Standard												
Ground Drive 3 Speed	Standard	Optional														
Computer (Hydraulic Drv)	Optional	Optional	Optional	Standard												
Roll Tarp.	Standard															
Independent Hyd. Kit	Standard															
Twin Chain Section Ctrl.	Optional	Standard	Standard	Standard	Standard	Standard										
Tandem	Optional	Standard	Standard	Standard												

Optional Standard

Your local agri partner



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