

GREEN AG HOLDINGS PTY LTD

Agricultural Machinery for farmers

USER MANUAL

For

THE TAIPAN SPREADER

Size

4 Tonne to 15 Tonne



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Overview

This user manual will provide information and guidance for everyday use of the Taipan Spreader including setup, flow and control, safety and maintenance

The Taipan spreader will spread a vast range of granular and non granular matter including Lime / Gypsum and Fertiliser

The spreaders are fitted with their own PTO

The feed of the material from the bin to the spinners is driven by hydraulics

The conveyor and the spinners can be easily controlled from the tractor

Safety Guidelines



Please Read and understand the user manual before operating.

Remember that careful operation will help prevent any accidents and fatalities.

Check all Warning decals are intact and clearly visible

The Tractor and spreader operator(s) must be trained by the relevant authorities.

Check all oil prior to using

Immediately stop spreader and shut off tractor upon striking any object. Inspect spreader and repair any damage before you continue spreading.

If spreader becomes clogged, disengage the power to the spreader and turn off tractor before dismounting.

Reduce speed while operating during wet conditions on slopes, especially when making sharp turns.

Ensure adequate clearance around the equipment at all times.

Do not put hands near moving parts, whether they are moving or not.

Do not lift or tilt equipment by hand.

Do not leave the equipment unattended with drive gear engaged.

No other person should be allowed closer than 50 meters to the spreader while in operation or travel.

Whilst connecting and disconnecting the P.T.O the tractor engine should be stopped and the tractor parking brake firmly applied.

The P.T.O and any other power source should be disconnected from the spreader before any maintenance or cleaning is carried out.

Use adequate gloves and use caution around the hydraulic components. Hydraulic oil may become dangerously hot and cause irritation if it comes in contact with skin.

The clevis pin connecting the spreader to the tractor should be capable to withstanding the forces involved and should be secured against accidental dislodgement.

A rated safety chain must be used between the tractor and spreader.

Check all fasteners regularly and ensure that all covers are intact and secured in their relevant positions.

The terrain and prevailing conditions should be carefully assessed when determining a safe speed.

When parked the spreader must be secured from rolling away by chocking the wheels.

The mechanical jack on the machine is intended to support an empty machine only and must not be used to support a loaded spreader.

Make sure the jack is raised before towing the machine.

Do not ride on Spreader under any circumstances.

Do not enter the bin or hopper when machine is engaged

Hazards to watch

Check guarding

Ensure area is clear to avoid person being struck by object from the spinner

Detachment from tractor

Specifications

TYPE: Trailed

VOLUME: 3m³ to 40m³

FEED CONVEYOR WIDTH: 700mm – 1000mm wide

SPINNER SIZE: 700mm – 900mm Diameter

SPINNER TYPE: Hydraulic Driven

SPINNERS SPEED: Variable 0 to 600 rpm

SPREAD WIDTH: Variable 2m to 36m

BIN THICKNESS: 3 and 4mm

FLOOR THICKNESS: 6mm and 8mm

TYRES: 500 Flotation

APPLICATION RATES: Variable 20 Kg to 20 000kg per hectare

Operation Instructions

Attach the spreader to the tractor drawbar securely using a rated high tensile clevis pin; make sure there is suitable clearance between the pin and tongue. The pin slips between the spreader draw bar hole and the drawbar tongue of the tractor.

Mount the hydraulic hoses to the tractor and connect the PTO ensuring that the hydraulic hoses cannot be damaged when the machine is turning.

A safety chain must be used between the tractor and spreader

Check tyre pressure

Ensure spreader is 50m from stock, personnel and property

Rate application calculations

Taipan spreaders are designed to spread bulk materials

Due to varying conditions, moisture, material particle size and weather conditions these can all impact calculations.

Therefore the following is a GUIDE ONLY

There are 3 ways to vary the application rate

Travel speed

Conveyor speed

Door opening distance

Generally, the travel speed should be as fast as it is consistent with safe and efficient operation. If the material contains no large solid objects and does not bridge or pack up and is not heavy enough to cause undue strain on the conveyor then it is best to leave the conveyor on full speed and close the door down. This will give more even spread while limiting particle size.

To Check the application rate and spread pattern:

Obtain a large tarpaulin

3.162 meters square or fold a larger one that size

(3.162m x 3.162 m = 10 square metres).

Position it on the ground and drive the spreader past it.

Measure the amount of material collected onto it and multiply by 100,000. The result will be the application rate per HA.

Spread width can be influenced by P.T.O and Engine rpm so keep this constant.

Application Tips for spreading Lime

Lime has the tendency to move to the door in one mass.

Your spreader is equipped with internal bin stiffeners, these also act as a break up for any large mass which is being shifted to the door, however compaction may still occur to avoid this choose a slow conveyor speed.

Cleaning and storage

After using the spreader all material should be removed from the bin and spinner areas we recommend using an air gun and blow any excess material off. Washing of the machine is not recommended. Always store the machine under cover and in a dry place. Never leave the machine loaded with material.

General Maintaining

The pressure and condition of tyres should be checked each day before operation.

If wheels should be removed and replaced this should be carried out by suitability qualified personnel only and the wheel nuts should be tightened to the correct torque.

If in any doubt do not hesitate to contact us before using the machine after such an operation.

Do not operate the machine at a greater PTO speed (Max PTO speed 540 RPM) or oil flow or pressure than that for which it was designed.

All bearings should be checked and greased regularly.

The chains need to be protected from moisture and humidity. This should be done by storing the spreader under cover at all times when not in use, by ensuring the bin is empty before the spreader is left at any time and by greasing / lubricating periodically.

To remove remaining material from spreader, leave machine running with the door open after spreading is completed. When returning machine back to the storage shed any remaining material will fall from machine.

The recommended hydraulic oil is AWS 68 grade.

The level should be checked regularly.

Hydraulic oil should be changed every 500 Hrs.

Never attempt to modify or alter the hydraulic system.

THE TAIPAN SPREADER GALLERY



We thank you for your business

Please note we will accept no liability for damage or loss which has been caused by misuse or overloading or over stressing the spreader

Warranty will be voided if any mechanical repairs or modifications are made