



**SIDE DELIVERY
CONVEYOR ATTACHMENT**

Operators Guide



Operator's Guide – Wal-Ag Side Delivery Conveyor

Please read and understand before operating

CAUTION: The following are recommendations for the safe and efficient operation of your Wal-Ag Side Delivery Attachment. Anyone operating the spreader and attachment should read these instructions first. These instructions are supplied with your new Side Delivery Conveyor and are also available free from our office or on our website: - www.spreaders.com.au.

When contacting Wal-Ag please have the chassis number of your spreader handy. This may be found on either the Spreader drawbar, or on the compliance plate on the hydraulic reservoir.

SAFETY

Any persons operating the machine must have a high level of experience in tractors & agricultural implements. You must also have any relevant permits/licences under State & Federal laws, ie Work Covers Loaders Permit

No other person should be allowed closer than 50 metres to the spreader during operation or travel. Care must be taken that the operator does not enter the spread pattern by turning too sharply. When operating spreaders with multiple axles the turning circle should be as large as possible to minimize stress on tyres, wheels, axles and suspension components. Pasture damage will also be less if this precaution is observed.



Whilst connecting and disconnecting the P.T.O. pump the tractor engine should be stopped and the tractor parking brake firmly applied. The P.T.O. and /or any other power source should be disconnected from the spreader before any maintenance or cleaning operations. This operation must be carried out on level ground with wheels chocked.

Before lifting the P.T.O. pump ensure that it can be done safely and in a position where the possibility of back strain is avoided.

The spreader must only be towed by a tractor of sufficient capacity to control the total mass of the spreader and its load.

The pin connecting the spreader to the tractor should also be capable of safely sustaining those forces involved and should be secured against accidental dislodgment.



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The spreader with the side delivery attached must not be towed at an unsafe speed.



The Safety chain must be used between the tractor and spreader at all times



When fitting Side Delivery into place, a forklift must be used. If this is not available, a suitable overhead apparatus – ie Crane



When parked, the spreader must be parked on level ground and secured from rolling away by chocking both wheels. The spreader could roll away during the loading operation if not correctly secure.



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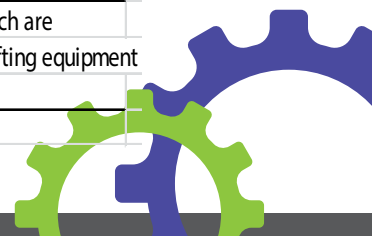
Safety Warning

Before approaching the spreader to perform adjustments, maintenance or any other operation - Stop the tractor engine, secure the spreader against rolling movement and do not allow any other person access to the tractor or spreader controls. Do not climb or stand on any part of the spreader.

HAZARD IDENTIFICATION AND RISK ASSESSMENT

AS CIRCUMSTANCES CAN VARY CONSIDERABLY THIS IS A SAMPLE ONLY. YOU SHOULD PERFORM YOUR OWN HAZARD ASSESSMENT PRIOR TO COMMENCING EACH OPERATION

HAZARD	RISK		CONTROL MEASURE
	SEVERITY	PROBABILITY	
Injury by spreader or attachment moving unexpectedly	Death	Medium	Secure spreader from movement. Park, Uncouple from tractor on level ground only. Chock wheels. Use tractor parking brake. Connet safety chain from spreader to tractor
Entanglement in moving parts	Death	Medium	Stop tractor or other power source before approaching spreader. Isolate power source. Remove & retain keys to tractor. Do not remove guards.
Impact from hard object in spreading stream	Death	Medium	Do not spread while turning. DO not allow approach to working spreader.
Dust exposure	Serious	Likely	Wear eye protection and dust mask when spreading dusty products
Exposure to sunlight - UV	Serious	Likely	Wear appropriate clothing, hat and sunscreen.
Heat stroke, sun stroke, dehydration	Serious	Likely	Do not stay exposed to very hot conditions, seek ventilation and shade, drink plenty of water. Always wear a broad rim hat.
Infection from manure or other organic material	Serious	Low	Ensure operators have current vaccinations against possible diseases. Ensure proper hygiene is observed. Identify materials & possible microbial & viral agents. Investigate provenance (find out what it is & where it was sourced).
Allergic reaction to spread material	Serious	Low	Investigate allergy history of exposed persons and take appropriate action. Investigate provenance of material to be spread. Cease work and seek medical help at first signs of reaction. Do not spread common allergens - eg peanut products or residue
Insect/rodent/arachnid/snake attack	Serious	Low	Take necessary precautions. Assess presence of living hazards in material and also in spreading area. Wear protetive clothing. Avoid hazourdous creatures.
Rollover	Serious	High	Do not spread on sloping ground, greater than 8 degrees transverse. Avoid pot holes and obstacles. Use a tractor rated for towing the spreader when fully loaded. Do not spread transversely when sloop exceeds 8 degrees
Loss of control due to skidding	Serious	High	Do not speed on sloping ground. Do not spread in slippery conditions, eg, after rain or in mud, snow or ice.
Injury from high pressure oil from hose or component failure	Serious	Low	Do not approach operating machine. Replace any worn or leaking hoses with correctly rated replacements. Never modify or tamper with hydrualic system.
Lifting Injury	Serious	High	Do not lift any attachments, components or parts which are heavy enough to cause injury. Seek assistance, use lifting equipment if necessary



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Installation – Fitting Instructions

This is a 2 man operation for safety – PTO must be disconnected, wheels chocked, Tractor off.
DO NOT climb underneath tractor or spreader to fit conveyor to spreader



1. Chock the wheels

This photograph shows the side conveyor already fitted to the spreader and ready for use or removal



2. Remove the discs

Prior to releasing the 4 x M12 bolts place packing under the lower disc.

After storing the disc replace the bolts back into the shaft coupling and tension (this stops any material from entering the threads).

Remove the top disc using the same method; store both discs in a safe place where they will not be damaged



3. Place the conveyor up onto the Spreader or place into position with a fork lift.

Ensure that the conveyor is well balanced.

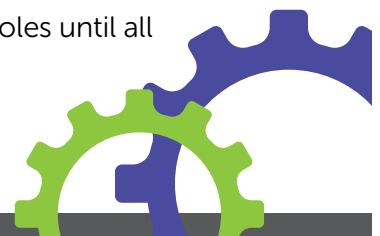
Move the conveyor into place, and then carefully lift until the holes align.



4. Align the holes on the Conveyor with the Spreader chassis

Using a tapered drift align one hole on each side of the frame and install the bolts.

Then align the balance of the bolt holes until all bolts are installed.



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**NOTE THIS OPERATION CAN BE DONE FROM THE OUTSIDE OF THE MAIN FRAME.
DO NOT ATTEMPT TO WORK UNDER THE SPREADER OR CONVEYOR**



5. Bolt to chassis

Tension the bolts supplied M12 x 30 Hex. Bolts.

Note remember that when fixing the side conveyor to the spreader you must never climb on or under either of implements.

Using a socket, 100mm extension piece and a "T" bar on the head of the bolt and a ratchet ring spanner tension the nuts. This will enable you to hold the head of the bolt while you tension the nut, it will also assist in carrying out this operation while remaining on the outside of the spreader.

It is advised that the bolt threads are lubricated prior to installing, this will make the conveyor removal easy when you remove it from the spreader.

6. Remove the Fork lift

Once the bolts are tensioned move the fork lift or lifting apparatus



7. Connecting the Hoses.

Before you start ensure that all the hose fittings are clean. (Contaminated oil can be very costly)

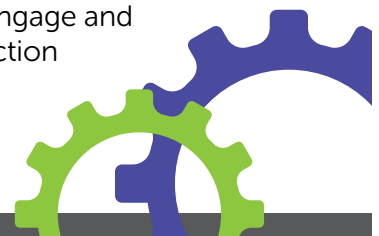
Behind the spinner motor mount bar located on the rear left hand side of the Spreader are two (2) hydraulic hose couplings. These couplings will connect to the two (2) couplings on the conveyor.

Remove the male coupling on the spreader and connect to the female coupling on the conveyor.

Then do the same with the female coupling on the spreader and connect to the male coupling on the conveyor.

The hydraulics are now connected ready for operation

Ensure that the outer ring of the female coupling is all the way home. If it isn't, then disengage and refit the male coupling. If the connection isn't correct the oil won't flow.



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8. Clean fittings

Checking to ensure that all fittings are clean prior to fitting.

The hose fitting in Frame "8", is the conveyor female coupling.



9. Conveyor positioning (conveyor in traveling position)

When the side conveyor is connected to the Spreader ensure it is centrally located prior to traveling.

The locking pins shown on frames 11 and 12 must be in position with the spring loaded Linchpins fitted.



FAILURE TO DO THIS MAY RESULT IN DAMAGE TO THE CONVEYOR

10. Side Delivery shown in operating position

When you have loaded the Spreader and arrived at the area for spreading relocate the conveyor to the operation location.

Remove the Linchpins and locking pins.

Push the conveyor to the left side of the spreader until the holes align.

Fit the Locking pins and the Linchpins, ensure that they are fitting correctly.



11. Locating pins shown in place.

12. The correct fitting of the locating pin and the linchpin

The linchpins must be in place at all times failure to do so may result in the pins being torn from the chassis.

The locking pins and linchpins must be in place prior to starting the conveyor.



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We will accept no liability for damage or loss, which in the opinion of Wal-Ag has been caused by overloading, misuse, overstressing or not following the instructions in this manual of the spreader or attachments.

Please feel free to call, e-mail or write for further information.

Warranty will be voided if unauthorised mechanical repairs or modification of the machine has taken place.

If you experience any problems or difficulties in operating this machine please contact Wal-Ag immediately.



Find us at / Unit 2, 17 Ironbark Close, Warabrook NSW 2304

Phone / 1800 306 308

Website / spreaders.com.au

