



OPERATIONAL MANUAL

Field Bin

Version 1.01

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Overview

This manual is to ensure safe operation of your field bin.

Read this manual carefully before operating the field bin.

Field bin must be operated by a fit and able-bodied person.

The field bin is to be used only for the purpose for which it was specifically designed. Contact the manufacturer if you are unsure if the product you are planning to store is appropriate.

MD & LA Sharman Pty Ltd cannot be held responsible for any damage arising from incorrect or unreasonable use.

Modifications to the field bin should not be made without contacting the manufacturer.

The field bin may only be used by trained and authorised personnel.

If entry into the field bin is required, regulations must be followed in the Confined Spaces Code of Practice.

A risk assessment must be compiled by the owner.

Please visit our website for current version of Operational Manual.

Transporting Field Bin

Check wheel nuts are tight before transporting.

Attach field bin to towing vehicle securely with drawbar pin, ensure correct coupling device is used.

Using a Sharmans Winch Hitch is recommended to assist with attaching the field bin to the towing vehicle.

Drawbar safety chains must be attached to towing vehicle's towbar.

Field bin must be empty.

Always be aware of overhead powerlines. For safe clearance distances contact the Office of the Technical Regulator.

Do not allow anyone to ride on the field bin during transportation.

The maximum travel speed of the field bin is 50km/h. Reduce speed if road conditions are poor.

Towing vehicle and escort vehicle must comply with local government's guidelines.

Storing Field Bin (when empty)

Do not place field bin near overhead powerlines.

Strong winds may overturn empty field bin – store in a sheltered area

Leave wheels in transport position, with wheels chocked to prevent movement.

Ensure all openings are closed to prevent birds nesting inside.

Filling/Emptying Field Bin

Do not place field bin near overhead powerlines.

Field bin must be on flat, even ground of same type (e.g. NOT half on track, half on soft ground).

If field bin is on hard ground: use packing plates approximately 200x100mm (steel or compressed cement sheeting, NOT timber) placed lengthways underneath ground ring, positioned under each leg if gap is more than 6mm.

Field bin must not be attached to vehicle.

Do not fill field bin with wheels in transport position.

Ensure there are no personnel inside the field bin and the surrounds are clear.

Ensure manhole lid is secured (if fitted).

Do not fill field bin with heavier product than designed for.

Fertiliser must only be stored in Fertiliser Silo or CombiBin®.

This is not a sealed unit, do not store material in field bin for more than 3 months unless treated appropriately.

Do not store material in field bin long-term if grain moisture is more than 12%.

Raising/Lowering Field Bin

Please refer to the "Field Bins Raising and Lowering" Safe Operating Procedure on Page 5 of this Operational Manual.

Removing Wheel

Field bin must be empty.

Field bin must be on flat, even ground.

If connected to vehicle: apply hand brake, position jack underneath ground ring directly below pivot axle.

If not connected to vehicle: wheels must be in transport position, position jack underneath ground ring directly below the leg that is behind the axle. Chock the opposing wheel, with the front of field bin tilted to the ground.

Ladder Use

Ladder should only be climbed if completely necessary.

Keep the ladder swung up while it is not in use.

Harness with twin access lanyard, must be worn when climbing ladder.

Harness users must be supervised at all times with a rescue plan ready if required.

Maintenance Checklist

Service and Maintenance checks are to be carried out before and after harvest on the field bin for structural damage / corrosion and maintenance purposes.

Contact the manufacturer for replacement parts or questions.

Inspection	Yes	No	NA
Signs of corrosion or structural damage on field bin?			
Rivets and screws secured in place?			
Inspect welds for structural damage.			
Visible damage? (e.g legs bent from vehicle collision)			
Springs overstressed? (e.g coils aren't touching when in transport position) If yes, contact manufacturer.			
Warning signs faded, removed or illegible? If yes, contact manufacturer			
Towing safety chains damaged?			
Ladder (if fitted) damaged or corroded?			
Tyres in good condition with appropriate air pressure?			
All wheel nuts in place and tight?			
Axle pivots greased?			
Check access points for corrosion and integrity?			
Damage to hatches and latches, operation of hatches and control mechanisms?			
Handle for raising and lowering field bin missing or damaged? If yes, contact manufacturer.			
Other issues noted?			

SAFE OPERATING PROCEDURE

SHARMANS

FIELD BINS RAISING AND LOWERING

Do not attempt this procedure unless you have been trained.



PERSONAL PROTECTIVE EQUIPMENT



Gloves
as
required



Hat and
sunscreen



Enclosed
Footwear



High
Visibility
Top or Vest

HAZARDS / MANUAL HANDLING RISKS

- Do not place body parts in the travel path of the handle, serious injury can result.
- A two metre Exclusion Zone is to be maintained around the field bin, no one is to enter this zone whilst the bin is being raised or lowered.
- Hold handle firmly and keep feet away from the ground ring when raising and lowering.
- Keep fingers clear of any pinch or crushing points
- Always use the supplied handle for raising and lowering, if lost contact manufacturer.

INSPECTION

- Before each harvest season inspect spring mechanism to ensure spring is still holding tension. grease axle pivots ready for transport.
- The bin must be set up on level / even ground surface only.

RAISING BIN INTO TRANSPORT POSITION

Field bin must be empty.

Field bin must be on flat, even ground.

Only one person to operate handle, all other personnel must not be within two metres of field bin.

1. Remove wheel transport locking pin.
2. Place handle securely on axle stub lever.
3. Keep clear of the handle's arc of travel. Ensure area is clear of all personnel.
4. Pull handle towards you until bin is fully raised, standing on drawbar side of the field bin.
5. Remove handle.
6. Replace wheel transport locking pin.
7. Repeat above steps on opposing wheel.
8. Replace handle onto handle holder.



Do not stand in travel path of handle

LOWERING BIN INTO FILLING POSITION

Field bin must be empty.

Field bin must be on flat, even ground.

Only one person to operate handle, all other personnel must not be within two metres of field bin.

1. Remove wheel transport locking pin.
2. Place handle securely on axle stub lever.
3. Keep clear of the handle's arc of travel.
4. Lift handle, pull over until base makes ground contact, standing on drawbar side of the field bin.
5. Remove handle.
6. Repeat above steps on opposing wheel.
7. Replace handle onto handle holder.

Always remove handle
before replacing locking pin



WARNING

NO ONE IS TO STAND IN DIRECT LINE OF TRAVEL OF THE HANDLE, SERIOUS INJURY CAN RESULT FROM THE MOMENTUM BUILD-UP. ALWAYS STAND ON THE DRAWBAR SIDE WHEN OPERATING