

KIRCHNER GRAIN BAG ROLLER OPERATOR MANUAL



CONTACT INFORMATION

For assistance or more information please contact the
Starland County Agricultural Service Board

403-772-3793

****WARNING****

IMPROPER OPERATION OF THIS MACHINE CAN CAUSE DEATH OR SERIOUS INJURY, BEFORE USING THIS MACHINE, MAKE CERTAIN THAT EVERY OPERATOR:

- Is instructed in safe and proper use of this machine
- Reads and understands the manual pertaining to this machine
- Reads and understands ALL safety decals on the machine
- Clears the area of other persons and hazards
- Learns and practices safe use of machine controls in a safe, clear area before operating this machine
- TWO PEOPLE MUST BE PRESENT AT ALL TIMES WHILE USING MACHINE**

TO PREVENT PERSONAL INJURY

- ⇒ Stay clear of spike and other pinch points while in operation
- ⇒ Shut off tractor before servicing or cleaning
- ⇒ Stay clear of the grain bag while in operation
- ⇒ Use this machine only for rolling CLEAN, EMPTY, USED grain bags
- ⇒ **DO NOT PLACE ANYTHING ON LEVER TO HOLD IT DOWN**

PRESSURIZED FLUID CAN PENETRATE SKIN AND RESULT IN INJURY OR DEATH. LEAKS CAN BE INVISIBLE, STAY AWAY FROM SUSPECTED LEAKS. RELIEVE PRESSURE BEFORE SEARCHING FOR LEAKS. FLUID MUST BE REMOVED IMMEDIATELY.

FAILURE TO FOLLOW THE INSTRUCTIONS ABOVE AND WITHIN THIS MANUAL MAY RESULT IN INJURY OR DEATH

BEFORE YOU START:
IMPORTANT INSTRUCTIONS

- Each valve is labeled
- If operating in cold temperatures please allow the tractor to run long enough before operation to heat the hydraulic oil to a functional temperature
- Always shut off the tractor when servicing
- Inspect the hose, spike, plastic bushings and chain to ensure all are in good working condition
- All bags must be free of grain, snow, dirt and debris
- Depending on bags width, folding may be required to fit within the roller.
- To see the roller in action You Tube search “Kirchner Grain Bag Roller” (Note: the roller in the video is engine driven, not hydraulically driven)

**** DO NOT PLACE ANYTHING ON THE LEVER TO
HOLD IT DOWN. DOING SO CAN RESULT IN
DEATH OR INJURY ****

STARTING THE BAG

- Back the grain bag roller up to the end of the bag, and check that it is straight and in line with the roller. Bag should be totally empty and able to slide freely along the ground
- The inside bag guides should be set approximately 4 1/2" narrower than the bag chamber. If the guides are not set properly the bag will create pressure on the side of the chamber, making it difficult for the bag to drop out.
- Fold 20 feet of the bag back before pulling up beside it to give you enough slack to get the bag started
- Pull the bag over the back frame of the machine between the guides then under the next frame between the lower guides, and then over the bag spear near the narrow end and wrap it around the spear. Start the spear turning to wrap .(Image 1)
- Use the valve to move the spike and pinch the plastic in the outer bushing (Image 2) (Safety Label 1)



(Image 1)



(Image 2)



(Safety Image 1)

ROLLING THE BAG

- Use the valve to turn the spike and roll the bag
- **DO NOT PUT ANYTHING ON THE LEVER TO HOLD IT DOWN (Safety Image 2)**
- Watch for anything that might interfere with the bag feeding smoothly. If the bag stops feeding the spear will continue turning and wrap the centre of the bag so tight it will be difficult to get the spear out.
- If the bag quits flowing, stop the machine and eliminate the obstruction.
- Make sure that there is no grain, snow, mud or debris inside or on the bag as it is rolled.
- Keep the bag as flat and as straight as possible
- If there is a bouncing or slipping, tighten the chain

TYING AND REMOVING THE BAG

- Using twine or rope, tie it around the bag. Continue rolling the bag until you reach desired amount of twine.
- Retract the spear and the bag should either drop out, or it may have to be pushed out. If the bag does not fall out easily, adjust the inside bag guides narrower.
- If the spike will not pull out, unwrap 2-3 turns and tray again
- If the chamber is full and the bag is not completely rolled up, you will have to cut the bag and restart the process.



Safety Image 2

MAINTENANCE

(Starland County Staff will complete the general maintenance of this equipment)

To Tighten Chain:

- Push the spike all the way in
- Shut off the tractor
- Check the tension of the chain
- Loosen the top nuts and rotate the bottom nuts equally until desired tension
- Tighten top nuts in place



General Maintenance

- Grease the jack shaft bearings
- Use dry graphite or grease to lubricate the spike and the motor mount rails
- Inspect hoses, spike, bushings and chain before each use

CAUTION: ALWAYS SHUT OFF TRACTOR BEFORE PERFORMING MAINTENANCE

