SITTLER®
manufacturing

WATER WAGON and INOCULATING WATER WAGON OPERATOR'S MANUAL

Used for Moisture Control of the Windrow and to Inoculate and Fortify Compost
SIMPLE · ECONOMIC · QUALITY · COMPOST

Updated June 12/09

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Caution!

1) Read, understand and follow the operator's manual and all safety decals before using the water wagon including any other motor manuals and decals. If you do not have a motor manual please contact the manufacturer.

2) Install and secure all shields before operating.

3) Keep hands, feet, hair and clothing away from moving parts.

4) Do not allow riders. Do not allow anyone on or in the unit while in operation.

5) Do not operate on public roads after dark.

6) Never operate with someone standing directly in front or behind the machine. It is the operator's responsibility to make sure the path is clear.

7) Never adjust, lubricate, clean, or unplug machine with engine running.

8) Machinery must be operated and maintained by qualified personnel with ample machinery experience.

9) Never under any circumstances, stand, sit, or lay on or inside the water wagon while the machine is in operation.

10) Do not allow children to play on or near the equipment.

11) Do not remove or obscure decals. Replace when necessary.

12) Machinery must never be operated by personnel under the influence of drugs or alcohol.

13) Read and follow all cleaning instructions.

14) Avoid breathing moisture when applying inoculates, or any other material with minute floating particles or microbes. These may be harmful to your lungs or eyes, appropriate gear must be worn. It is the operator's responsibility to assess each situation, test any microbial additives or compost teas prior to application and act appropriately, specifically when applying compost additives. This machinery is designeed for specified use and the warranty covers mentioned uses only.

IMPORTANT

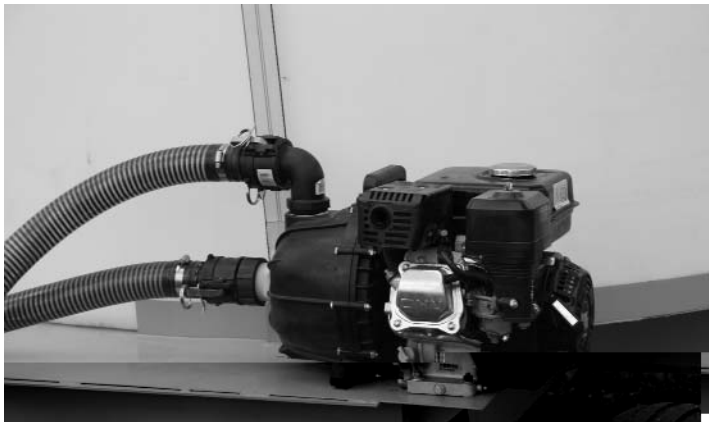
Read and understand this manual before operating your Sittler Compost Water Wagon and Inoculating Water Tank.

The Sittler Water Wagon has been tried and used for a number of years and will perform for you providing you learn to work with the proper procedures for operating your machine.

CAUTION

Please read page 3 carefully before operation. Do NOT operate prior to reading.

Start Up Instructions



Filling the Water Wagon Tank
The water tank valve controls the water flow. The tank is filled by reversing the hoses on the Honda pump.

Filling the Inoculating Tank

see page 6 -7 for details

Positioning the Wagon

Position the Water Wagon so that the hitch of the wagon lines up with the tow bar of the windrow turner.

See Water Wagon and Windrow Turner applying water.

Connecting the Towbar

Use the supplied metal pin to connect the hitch to the windrow tow bar.

Connecting to the Watering System on the Turner

Connect hoses and apply clamps.

Maintenance

Controlling the Water Flow

Controlled by 3 taps on the manifold and/or throttle position. The throttle position will control line pressure. By reducing engine speed, water line pressure will be reduced and water volume will be reduced.

Taps can be opened or closed individually for various watering requirements. For example, if south side of east/west running windrow is dried by the sun, water can be regulated accordingly by closing the tap on the north

side of the windrow.

Controlling the Flow of the Inoculating Tank

Tap can be opened partially to control flow. This will

depend on individual requirements.

Caution: Please ensure inoculant does not flow into large tank or cleaning will be required. Please see page 6 for details.

Motor Start Up and Maintenance

Please read the motor manual provided by the motor manufacturer prior to operating.

Cleaning the Tanks

3% Hydrogen Peroxide is recommended to clean the inoculating tank. The tank is cone shaped allowing for easy flush and bio film elimination.

The water tank may need to be flushed occasionally.

Water or hydrogen peroxide may be used.

Transporting

Moving the water wagon to different locations. The water wagon can be easily towed on location. When moving to different sites depending on road restrictions a flatbed may be required. Check for local transport requirements before proceeding.

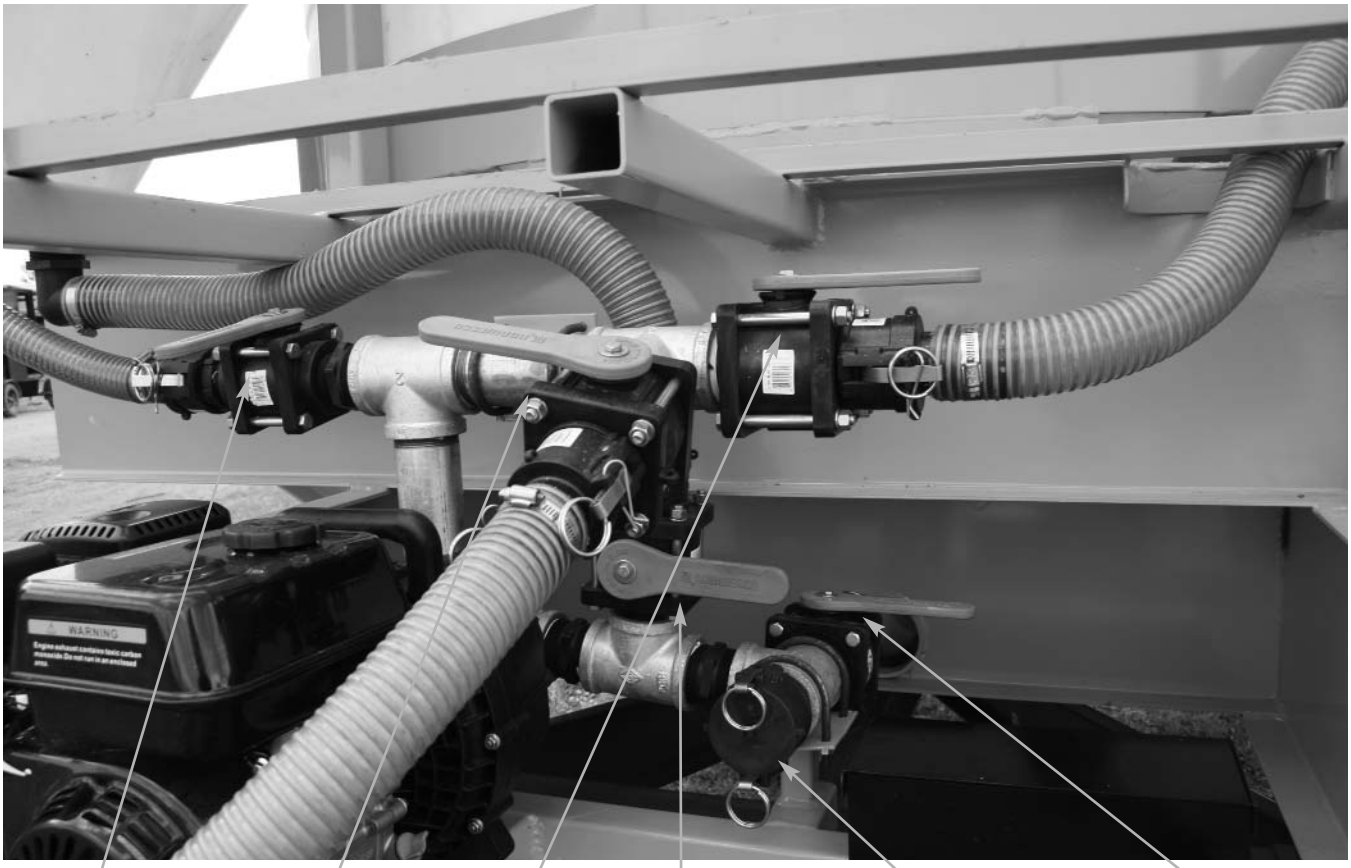
Warranty

Sittler Manufacturing will guarantee to the original purchaser for one year from the date of purchase. Any part found defective manufactured at the factory will be warranteed provided the machine has been maintained and serviced properly. It applies only to equipment manufactured by Sittler and excludes equipment manufactured by others. Such product is warranteed only by its manufacturer. If such a defect appears within one year from date of purchase and purchaser has given Sittler immediate written notice, Sittler will repair the part or at its option, replace the part by shipping similar part FOB shipping point, or at its option, refund an equitable portion of the purchase price.

Warranty will not apply to any products repaired or altered outside of our factory nor will the warranty apply to any failures from misuse, negligence or accident.

The company also reserves the right to incorporate any changes in design without obligation to make these changes on units previously sold.

Inoculating Water Wagon Valve Positions
Please read all valve combinations before filling and operating the tanks.



Valve Functions

Pressure Lines (discharged from pump):
Valve #1 - Return line valve to inoculating tank
Valve #2 - line going to compost turner
Valve #3 - Return line to large tank

Inlet Lines:
Valve #4 - inlet tap coming from inoculating tank
Valve #5 - Inlet tap from large tank

Direct Application of Water to Windrow:
Open Valve #2, 5
Close Valve #1, 3 & 4

Adding Water to Inoculating Tank from Large Tank:
Open Valve #1, 5
Close Valve #2, 3 & 4

For Inoculating Purposes:
Close Valve #1, 3
Open Valve #2 fully
Open Valve #4 partially depending on requirements
Open Valve #5 approximately ¾ of the way and then adjust enough to create enough vacuum to draw the liquid out of the inoculating tank. If inoculating tank fluid level is higher than in the large tank when pump is stopped, inoculating fluid may flow into large tank necessitating cleaning.
To avoid this, close Valve# 4 & 5 before stopping engine; ensure inoculating tank is empty.
When inoculating tank is empty, Valve #4 needs to be closed and Valve #5 should remain open for a few seconds to clear the line.
Experimentation will be required for individual needs.

Cleaning Inoculating Tank:
Scrub all surfaces thoroughly with a good brush and 3% peroxide dilution to remove all of the bio-film.

For Mixing Purposes:
Open Valve #1
Close Valve #2, 3 and 5
Open Valve #4 partially
Run engine at low throttle to prevent vortex in inoculating tank and airlock getting into pump.

Filling Large Tank: (See Image on page 6)
With Suction Line: Close Valve #1, 2, 4 & 5
Open Valve #3 (to allow air to escape)
Remove cap and connect suction line.

Cap

Initial Start-Up Priming:
This is only necessary when there is no water in the system.

Option One:
If the large tank is being filled from the top then no priming is required:
Open Valve # 3 & 5
Close Valve # 1, 2 and 4
Water will move through Valve #5 to pump and air escapes through Valve #3

Option Two:
Filling the inoculating tank for the purposes of priming. Again, this is only necessary when there is no water in the system.
If the suction line is being used, then the following procedure needs to be followed:
While filling the inoculating tank from the top with a garden hose then all valves need to be closed.
If check valve is working on the external suction line, then Valve #1 & 4 can be open, to allow air to escape, while filling the inoculating tank with a garden hose. This enables all the lines to be filled with water.

Start-Up:
Start engine with Valve #1 & 4 open; once water starts to move, Valve #3 must be opened to allow water to enter the large tank.
Now Valve #1 and 4 need to be closed; ideally at the same time. Now water is being pumped into the large tank.
Valve # 2 should now be shut.

If Valve #1 and 4 are closed, then the inoculating tank is isolated.

Inoculating Water Wagon Gas Engine
For all gas powered engines, please see your specific engine operator's manual provided by the manufacturer.

Tool Box
The toolbox contains extra pins.