

# OWNER'S MANUAL

***Model 655***  
**55 GALLON SPRAYER**



**Harvest Tec**<sup>TM</sup>

EST. 1976

#010-0655  
Revised 9/24

# Table of Contents

	<u>Page</u>
<b>Installation instructions</b>	3
Installation of tank and saddle	3
Installation inoculant nozzle	4
<b>Operation instructions</b>	4
General application Chart	4
Recommended tip for water lubrication	4
<b>Maintenance</b>	4
<b>Parts Breakdown</b>	5
<b>Notes</b>	6
<b>Warranty Statement</b>	7

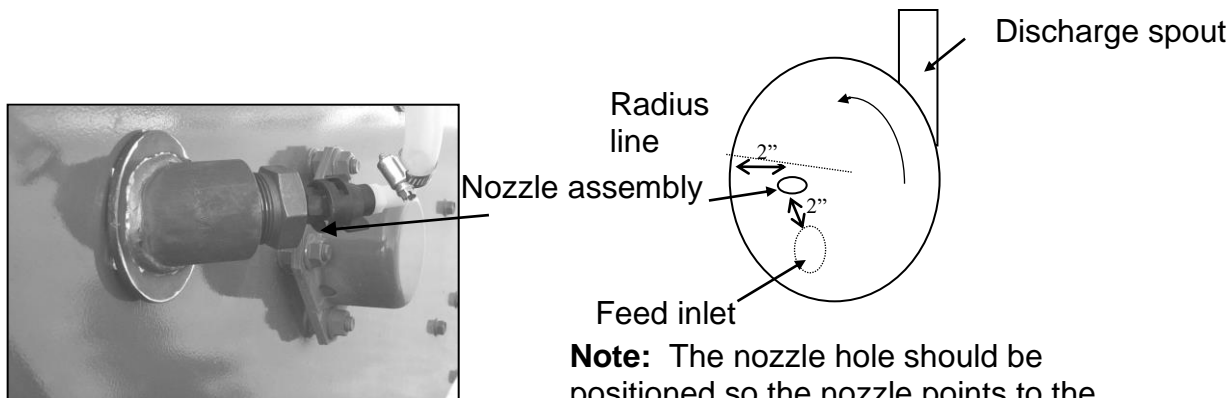
# INSTALLATION INSTRUCTIONS

## Installation of Tank and Saddle

1. Bolt the frame and the legs to the forage harvester's tongue using the 5/8" u-bolts. Check for wheel clearance and other obstructions. The leg with the pump may be positioned in either the front or back place. But the pump should face away from the opposite leg for easy plumbing access.
2. Bolt the tank saddle into the legs using the 1/2" bolts provided.
3. Place the tank in the saddle with end fitting on the same end as the pump. Use the 5/16"x3" bolts and double nut them.
4. Thread the valve and filter into the side fitting of the tank. Run a line to the intake of the pump (see arrows on the pump.)
5. Wire the switch to a 12 volt power source on the tractor.



6. Locate the band lubricator nozzle on the side of the blower housing according to the diagram to the right. The assembly must be located in the area of the blower before the feed intake and after the feed discharge. After selecting the mounting location cut an oblong hole 2 1/2" long and 1-3/4" wide on a straight radius line so that edge of the hole is 2" from the outside of the band. Line-up the two scored marks on the nozzle assembly with the radius line and weld the nozzle in place. Make sure that the spray tip is lined up with the scored mark of the inside of the nozzle housing and that the inside and outside scores are lined up.
7. Run a line from the pumps discharge to the nozzle assembly, securing it with the ties provided.



**Note:** The nozzle hole should be positioned so the nozzle points to the outer diameter of the blower housing.

## **Installation of Inoculant Nozzle**

1. Mount the nozzle assembly above the cross auger by drilling a 9/16" hole in the side or top of the auger case. Run the plumbing line from the pump discharge to the nozzle assembly.

(Note: Quick connect fittings at both nozzles make it easy to select the point of spray if you leave enough slack in the line to reach either nozzle.)



## **OPERATION INSTRUCTIONS**

1. The pump is an internal bypass pump that will run at 40 psi on a continuous basis. For lubrication use, the pump will deliver 18 gallons per hour through the lubricator tip #5003.
  2. For inoculant application, calculate your harvesting rate.
  3. Mix your inoculant to apply the desired application using the charts below:
- \*\*If you need to apply product at 25 psi you will need to order part #007-4121S.

## **General Application Chart**

	<i>Tip Number</i>			
	<b>5002</b>	<b>5003</b>	<b>5004</b>	<b>5005</b>
<i>Gallons/Hour at 40 psi</i>	12	18	24	30
<i>Gallons/Hour at 25 psi</i>	9.6	14.4	19.2	23.4

## **Recommended Tip for Water Lubrication at 40 PSI**

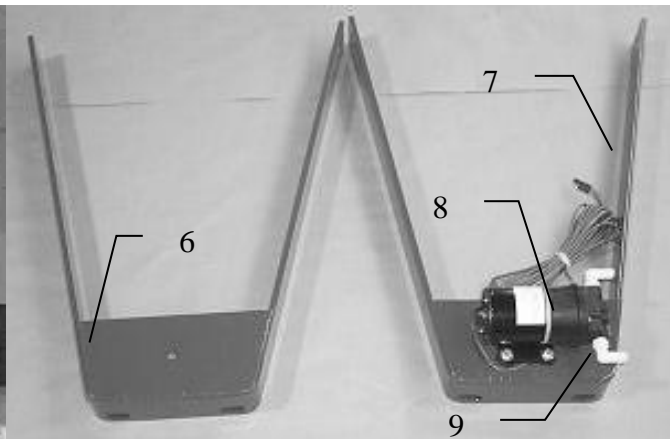
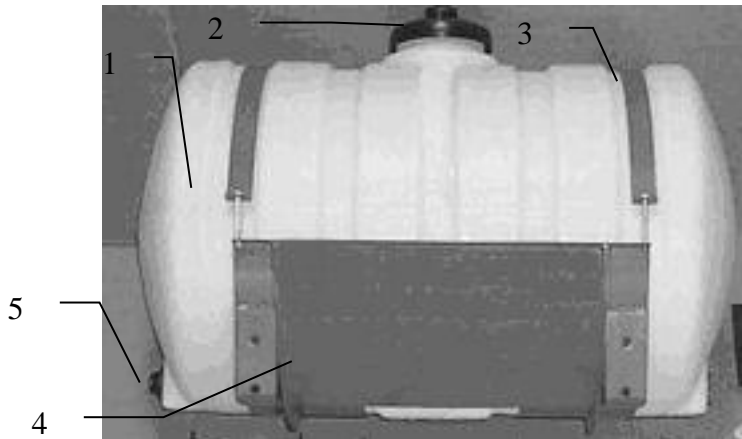
Load Size	Minutes to Load			
	<b>5002 Tip</b>	<b>5003 Tip</b>	<b>5004 Tip</b>	<b>5005 Tip</b>
14 Ton	35	23	17	14
12 Ton	30	20	15	12
10 Ton	25	16	12	10
8 Ton	20	13	10	8
6 Ton	15	10	7	6
4 Ton	10	7	5	4

## **MAINTENANCE**

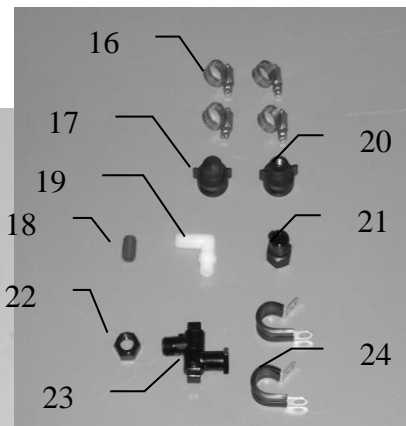
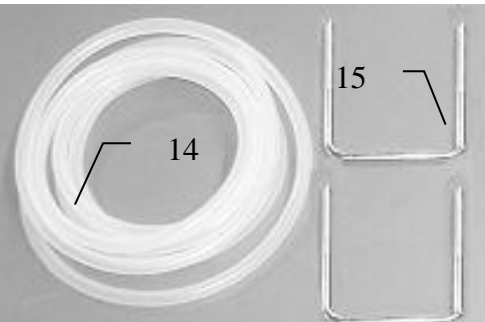
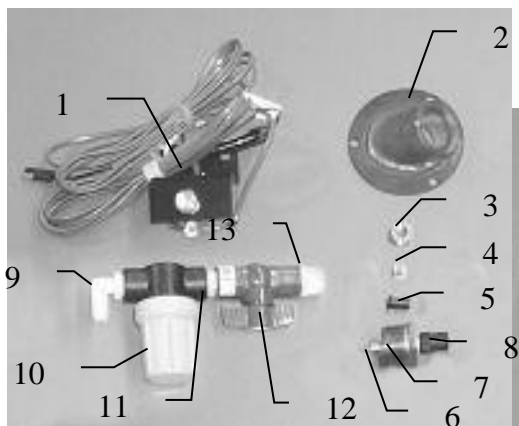
\*\*\*Clean the tip strainer and main strainer every ten hours of operation.

**NOTE: SOME INOCULANT PRODUCTS LEAVE A RESIDUE AFTER USE. THIS RESIDUE MAY AFFECT PUMPING PERFORMANCE. IF YOU HAVE A PRODUCT RESIDUE, FLUSH THE SYSTEM WITH CLEAN WATER AFTER EACH USE.**

# HARVEST TEC MODEL 655 PARTS BREAKDOWN



Ref	Description	Part#	Qty	Ref	Description	Part#	Qty
1	Tank	005-9203	1	5	Tank fitting	005-9100	1
2	Tank lid	005-9022C	1	6	Right saddle leg	001-4703AR	1
	Tank lid gasket	005-9022CG	1	7	Left saddle leg	001-4703AL	1
3	Tank straps	001-4402	2	8	Pump	007-4120D	1
4	Tank saddle	001-4703	1	9	Elbow fitting	003-EL3812	2



Ref	Description	Part#	Qty	Ref	Description	Part#	Qty
1	Switch assembly	030-4724	1	15	U-bolt	001-4701B	2
2	Lube nozzle holder	001-6501A	1	16	Hose clamp	003-9003	4
3	Stainless nozzle cap	004-4745	1	17	Shut-off cap	004-1207F	1
4	Stainless Steel Tip	004-5003-SS	1	18	Nipple fitting	003-M14	1
5	Tip check	004-4468	1	19	Elbow fitting	003-EL1412	1
6	Stainless nozzle body	004-4744	1	20	Female disconnect	004-1207H	1
7	Nozzle lube insert	001-6501B	1	21	Quick connect	004-1207G	1
8	Quick disconnect	004-4710	1	22	Cap	004-4723	1
9	Elbow fitting	003-EL1212	1	23	Swivel body	004-4733	1
10	Filter bowl assembly	002-4315-80	1	24	Jiffy clip	008-9010	2
11	Nipple fitting	003-M1212	1	NP	Tip	004-5002-SS	1
12	Ball valve	002-2212	1	NP	Tip (Installed w/Kit)	004-5003-SS	1
13	Nipple fitting	003-M3412	1	NP	Tip	004-5004-SS	1
14	1/2" Hose	002-9001	20ft	NP	Tip	004-5005-SS	1
				NP	Not Pictured		

Blower Band Assembly 030-6501S  
(Includes Ref# 2 – 8)

# NOTES:

## **WARRANTY AND LIABILITY AGREEMENT**

Harvest Tec, Inc. will repair or replace components that are found to be defective within 12 months from the date of manufacture. Under no circumstances does this warranty cover any components which in the opinion of Harvest Tec, Inc. have been subjected to negligent use, misuse, alteration, accident, or if repairs have been made with parts other than those manufactured and obtainable from Harvest Tec, Inc.

Our obligation under this warranty is limited to repairing or replacing free of charge to the original purchaser any part that in our judgment shows evidence of defective or improper workmanship, provided the part is returned to Harvest Tec, Inc. within 30 days of the failure. Parts must be returned through the selling dealer and distributor, transportation charges prepaid.

This warranty shall not be interpreted to render Harvest Tec, Inc. liable for injury or damages of any kind, direct, consequential, or contingent, to persons or property. Furthermore, this warranty does not extend to loss of crop, losses caused by delays or any expense prospective profits or for any other reason. Harvest Tec, Inc. shall not be liable for any recovery greater in amount than the cost or repair of defects in workmanship.

There are no warranties, either expressed or implied, of merchantability or fitness for particular purpose intended or fitness for any other reason.

This warranty cannot guarantee that existing conditions beyond the control of Harvest Tec, Inc. will not affect our ability to obtain materials or manufacture necessary replacement parts.

Harvest Tec, Inc. reserves the right to make design changes, improve design, or change specifications, at any time without any contingent obligation to purchasers of machines and parts previously sold.

Revised 01/03/06

**HARVEST TEC, INC.**  
**P.O. BOX 63**  
**2821 HARVEY STREET**  
**HUDSON, WI 54016**  
PHONE: 715-386-9100  
1-800-635-7468  
FAX: 715-381-1792  
Email: [info@harvesttec.com](mailto:info@harvesttec.com)