



Operator's Product HandBook

# WeedMasta™

Backpack / Trolley Sprayer



“HELPING TO DEVELOP AND PROTECT THE LAND”

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## Disclaimer

All information, illustrations, and specifications contained in this manual are based on the latest product information available at the time of this publication's printing. TransTank International (TTi) reserves the right to alter and substitute specifications and methods at any time, in line with our commitment to continuous improvement.

No patent liability is assumed with respect to the use of information contained within this manual. While every precaution has been taken in the preparation of this manual, TTi assumes no responsibility for errors or omissions.

**Thank you for purchasing a TTi WeedMasta<sup>™</sup> Rechargeable Knapsack Sprayer with Trolley (WeedMasta), which will provide many years of reliable service when operated and maintained in accordance with this manual.**

The TTi WeedMasta unit has a capacity of 16 litres and includes a sturdy trolley as standard. With the trolley easily removed, the WeedMasta is equipped with padded shoulder straps and backrest for maximum comfort when using as a knapsack in more difficult terrain.

Supplied with a 12-volt variable speed electric pump and built-in sealed lead acid battery, the WeedMasta provides over two hours of continuous spraying from a single charge. The WeedMasta is fitted with a kink-free hose and trigger operated lance. This manual describes the operation and maintenance procedures applicable to the WeedMasta.

All TTi WeedMasta tanks are rotationally moulded from quality polyethylene, purpose designed and manufactured to high standards. The WeedMasta is specifically designed to be towed by hand using the trolley, or worn as a knapsack, to spray everything from herbicides to pesticides at a constant pressure. With the variable speed pump, pressure can be adjusted to suit your requirements.

The WeedMasta unit is supplied complete, tested and ready for use. TTi warrants that the WeedMasta has been designed and built for its intended purpose as a pesticide/herbicide spray unit.

The owner is responsible to ensure that the equipment is operated in accordance with this manual, with Australian WorkSafe requirements, and local council regulations. TTi is not liable for any loss, injury or death resulting from the failure to observe all safe working regulations as required by law.

Included with your WeedMasta unit is the Operator's Handbook (this manual, which includes the Warranty Registration Card)

## Safety

This manual is intended for use by personnel experienced in the use of this and similar equipment. Read and understand this manual before attempting to operate or perform routine maintenance on this equipment. Your safety is of prime priority.



**A WARNING highlights an essential operating or maintenance procedure, practice, condition or statement, which, if not strictly observed, could result in injury or death of personnel, or long-term health hazards.**



**A CAUTION highlights an essential operating or maintenance procedure, practice, condition or statement, which, if not observed, could result in damage or destruction of equipment.**



**A NOTE highlights or clarifies an essential systems description, operating or maintenance procedure, condition or statement.**

## General Safety Instructions

1. This unit is designed and manufactured solely for the purpose of carrying and spraying herbicides and pesticides. Under no circumstances should it be used for any other purpose.
2. Only authorised and trained personnel are to operate this equipment. Operators must have read and fully understood this manual before operating the WeedMasta unit.
3. Do not operate the WeedMasta anywhere near bystanders, livestock, watercourses or any non-targeted vegetation that may be in danger from spray drift contamination.
4. Wind direction and speed must be taken into account, as windy conditions may endanger the operator or damage to adjacent non-target vegetation. Avoid spraying on hot and sunny days or when wind speed exceeds 6.5km/h.
5. Do not operate this equipment while under the influence of alcohol or any drugs that could impair your capabilities in any way.
6. PPE appropriate to the chemicals being used must be worn at all times when operating the WeedMasta. As a minimum, the PPE should include coveralls, gloves and boots. A face shield and PVC apron are recommended depending on the task. It is recommended that the following documents should be read and understood by the operator:
  - Australian Standard for Chemical protective clothing AS3765
  - Australian Standard for Respiratory protection devices AS1715
7. Care should be taken when lifting the WeedMasta, particularly when used as a knapsack, to avoid back injury. As a guide, one litre of water weights one kilogram (kg), therefore a full 16 litre WeedMasta will weigh in excess of 20kg.
8. In knapsack mode, ensure the WeedMasta is securely and comfortably worn, with the padded shoulder straps adjusted correctly to reduce shoulder and back strain.
9. Care should be taken at all times, particularly when operating on rough or steep terrain.
10. The WeedMasta must never be left unattended while being filled with fluids.
11. Do not operate the pump when there is no fluid in the tank.
12. Do not disconnect any hoses, nozzles or filters while the equipment is operating. Disconnecting any components while under pressure may result in uncontrolled fluid discharge which may be hazardous.
13. Ensure any electrical connections are properly configured, to prevent damage such as shorting or reverse polarity.
14. At completion of operation, switch the pump off and relieve any residual pressure by squeezing the spray gun trigger.
15. At completion of the operation, decontaminate the WeedMasta tank and spray lines. Drain any residue chemicals and store in a sealed container. Dispose of any unwanted chemicals and tank rinse residue in accordance with current environmental and workplace health and safety regulations.
16. The WeedMasta has safety labels affixed to various locations on the unit. These labels should be kept clean and legible, and replaced if damaged.
17. Any unauthorised modifications to this equipment may affect its function and create a serious safety risk. Any unauthorised modifications will void any warranty on the unit.

## General Information

### Specifications

|                    |                                                                                                                                                                                                                                                                                                                                                                                 |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Tank               | UV resistant polyethylene tank complete with large diameter lid and basket filter – 16 litres capacity                                                                                                                                                                                                                                                                          |
| Trolley            | Composite material and steel with height adjustable handle                                                                                                                                                                                                                                                                                                                      |
| Standard Equipment | 12V electric variable speed pump, 2.4L/min 70psi with ON-OFF switch and fuse                                                                                                                                                                                                                                                                                                    |
|                    | Built-in rechargeable sealed lead acid battery                                                                                                                                                                                                                                                                                                                                  |
|                    | Kink resistant hose with spray gun and lance, c/w various nozzles: <ul style="list-style-type: none"> <li>• Cone spray nozzle – 3.0 – 4.5 Bar, 0.7 – 0.9 L/min</li> <li>• Double spray nozzle – 2.5 – 4.0 Bar, 1.3 -1.6 L/min</li> <li>• Fan spray nozzle – 0.2 – 0.4 Bar, 0.6 – 1.1 L/min</li> <li>• Four-hole adjustable nozzle – 0.2 – 0.4 Bar, , 0.6 – 1.1 L/min</li> </ul> |
|                    | Three-stage Battery charger                                                                                                                                                                                                                                                                                                                                                     |

## Description

The TTi WeedMasta Rechargeable Sprayer is designed to carry and distribute herbicides or pesticides using a self-contained pump and spray gun. The WeedMasta has the features shown in Figure 1



**Figure 1 – Component Identification**

### Pump

The WeedMasta is fitted with a 2.4 L/min 70psi 12V variable speed electric pump, enabling adjustable spray pressure. The pump pressure is controlled via rotary potentiometer next to the ON-OFF switch, which varies the speed of the pump's motor. If the spray gun is not in operation when the pump is running, the fluid bypasses back into the tank.

### Battery

The built-in sealed lead acid 12 volt rechargeable battery is connected directly to the supplied battery charger via the socket adjacent to the power switch on the side of the WeedMasta. With the battery fully charged, it will deliver more than two hours of continuous spraying.

### Hose and Spray Gun

A manually coiled 10mm diameter kink resistant hose is connected to a trigger actuated spray gun with a variety of nozzles supplied, depending on required use. When the trigger is squeezed, the fluid is discharged; when the trigger is released, the fluid bypasses back into the tank. The spray gun incorporates a sliding catch to lock the trigger open for broad coverage spraying. The spray gun has a built-in filter and is stowed by means of a clip on the side of the WeedMasta tank.

### Trolley

The WeedMasta trolley is constructed from robust composite materials, featuring large wheels and handle for maximum ergonomic operation. The handle shaft incorporates three holes at lower end, enabling the securing screw to be fitted for the most convenient height.

## Tank

All TTI tanks are constructed from UV resistant, virgin material polyethylene. The tank is fully drainable and has an internal basket strainer under the large filling cap. A small filter is located in the tank, accessible through the tank filler opening.

## Filters

The WeedMasta has a double filter system, in addition to the basket filter in the tank lid. The suction filter is located inside the bottom of the tank, and is easily removed and installed. The secondary filter is inside the spray gun's handle unit.

## Machine Limitations

The WeedMasta units are subject to operating limitations. It is the operator's responsibility to ensure that this equipment is being operated safely and within these limitations.

## Recommended Pesticides and Spray Nozzles

PPE appropriate to the chemicals being used must be worn at all times when calibrating and filling the WeedMasta. As a minimum, the PPE should include coveralls, gloves and boots. A face shield and PVC apron are recommended. The following pesticides and nozzle combinations are as follows:

| Pesticide        | Use                                                                                         | Directions for use                                                                                                                                                                                                                                                                                                                                  |
|------------------|---------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Isoprocab (MIPC) | For control of planthopper, leafhopper on rice fields.                                      | Mix 150-200mL MIPC with 75-100kg water. Use the cone nozzle to spray evenly with the wind on one side and crossly spray in multi rows.<br>Capable of killing common thrips and leeches. Safe to spiders and natural predators of planthopper.<br>Toxic to fish and bee, and can be harmful to tuber crops.<br>Unfit for application on tuber crops. |
| Chlorothalonil   | For prevention of stalk rot on wheat                                                        | • Mix 11g 75% wettable powder with 6kg water for every 100 square metres.                                                                                                                                                                                                                                                                           |
|                  | For Prevention of leaf mold and spot blight on vegetables                                   | • Mix 135 - 150g wettable powder with 60-80kg water. Use the cone nozzle to spray evenly with the wind, on one side and crossly spray in multi-row.                                                                                                                                                                                                 |
|                  | For prevention of downy mildew on fruit trees                                               | • Mix 75-100g 75% wettable powder with 30 - 40kg water. Use the adjustable spray nozzle with the four apertures to spray evenly with the wind, accompanied by significant loss of chemical. Being toxic to fish, operate far away from fish ponds.                                                                                                  |
| Fluazifop-butyl  | Applicable for annual graminaceae weeds with strong inhibition function to budlets of weed. | Safe to broad-leaf crops. Of no force for dicotyledonous weeds. Toxic to fish, use the fan spray nozzle to spray evenly with the wind, on one side while moving forward in a parallel manner. Be sure to avoid hurting other unintended crops by the chemical fog.                                                                                  |

| Crops                                                 | To control                                                                                                                         | Dilute rate                                                                         |
|-------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Wheat, Barley, Bean, Cole, Peanut, Beet, Potato, etc. | Cockspur grass, Hairy crabgrass, Oat grass, Dentes foxtail, Green foxtail, Chinese sprangletop, and other annual graminaceae weeds | Mix 40-50g active ingredient with 60kg water to spray in one mu (approx. 0.16 acre) |

## WeedMasta Operating Instructions

### Before first use

Your WeedMasta Sprayer is delivered partially assembled and ready for final assembly. Before use, it needs to be set up using the following instructions:

1. Complete the warranty registration online at [www.tti.com.au/warranty-registration](http://www.tti.com.au/warranty-registration), or use the Warranty Registration Card at the back of this handbook.
2. Store this handbook in a safe and easily accessible place for future reference.



**WARNING: The operator must fully understand all aspects of this handbook. Do not operate the WeedMasta unit if you are unfamiliar with its operation until you have read this handbook.**

3. Read and thoroughly understand this handbook, paying particular attention to all safety requirements, before using the WeedMasta for the first time.
4. Check that all fittings, hoses and electrical leads are secure following transit, and are not damaged in any way.
5. Inspect the tank for any damage or abrasions that may occur during transit.
6. Tighten the two hand-nuts securing the WeedMasta to the trolley.



**NOTE: If the WeedMasta is to be used as a knapsack, TTI recommends adjusting the padded shoulder straps and trying it on while empty.**

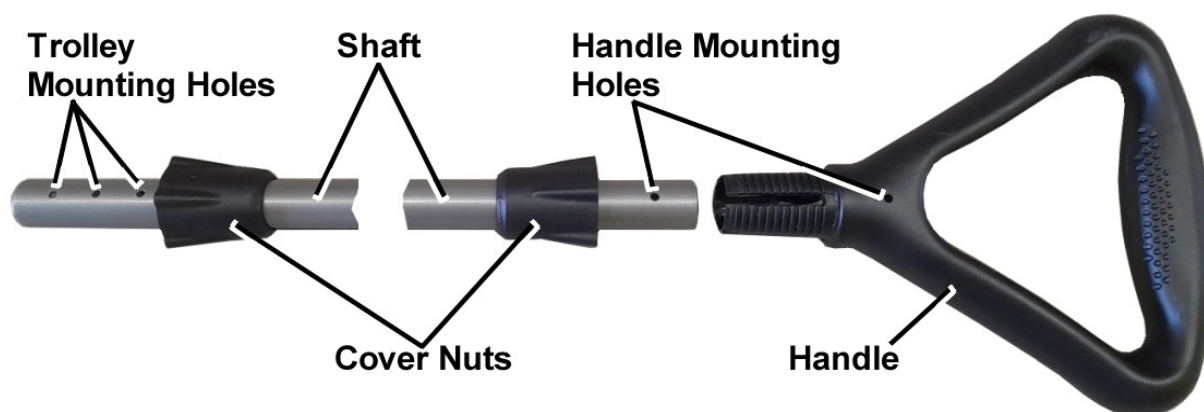
7. If the unit is to be used as a knapsack, loosen the two hand-nuts and lift the WeedMasta out of the trolley. Unfold the straps and adjust to suit by lengthening or shortening as required.
8. Assemble the trolley handle unit as follows, refer to Figure 2:
  - a. Insert the handle onto the end of the shaft with the single hole, aligning the shaft hole with the corresponding hole on the handle.
  - b. Using a screwdriver, insert the supplied screw to lock the handle onto the shaft.
  - c. Slide the cover nut along the shaft and tighten it onto the handle.
  - d. Insert the handle assembly into the top of the trolley, aligning one of the three shaft holes with the corresponding hole in the trolley body.

- e. Using a screwdriver, insert the supplied screw to lock the handle shaft into the trolley body.
  - f. Slide the cover nut along the shaft and tighten it onto the trolley body.
9. Unpack the spray gun and lance, then assemble, selecting the required nozzle as determined by the spray requirements.
  10. Connect the spray gun's hose to the WeedMasta outlet.



**NOTE: The WeedMasta's battery is fully charged at the factory, however, some discharge may occur during storage and transit.**

11. Fully uncoil the battery charger leads and plug the connector into the WeedMasta's charger socket. Plug the 240V cable into a power point and turn ON.
12. At the WeedMasta, check that the pump speed potentiometer is turned fully anti-clockwise, then turn the power switch to ON, to enable the built-in battery condition voltmeter. The state of the battery is determined as follows:
  - a. GREEN indicates a fully charged battery
  - b. YELLOW indicates a partially depleted battery but has some residual power available
  - c. RED indicates extremely low battery power that requires immediate charging.
13. If charged, turn the power switch to OFF and unplug the charging cable. Your WeedMasta is now ready for use.



**Figure 2 – Trolley Handle Assembly**

## Filling the WeedMasta Tank



**WARNING: Ensure the filling area is in an open, well-ventilated space if filling with chemicals. Follow the instructions provided with the chemicals or the applicable Safety Data Sheet.**

Mixing and filling the WeedMasta unit should be undertaken at a carefully chosen site, away from any risk of spillages draining into water courses or into environmentally sensitive areas. Children and animals must always be kept away from mixing and filling operations.

The WeedMasta's tank is filled as follows:

1. Open the tank filler by twisting and lifting the cap.
2. Withdraw the internal basket strainer and inspect it for any debris. Clean it if required and reinstall it into the top of the tank.
3. Follow the chemical manufacturer's instructions and safety precautions carefully, taking note of the order in which the products are added to the tank.
4. Measure the correct quantities of chemicals using clean measuring containers specifically for this purpose only, then add the chemicals to the tank.
5. Rinse out the measuring containers and any empty containers and pour all rinsing liquid into the WeedMasta tank.



**CAUTION: Do not overfill the tank. This may result in chemical spillage.**



**CAUTION: The WeedMasta must never be left unattended while being filled with fluid.**

6. Top up the tank with water to the required level, ensuring it is not overfilled.
7. Thoroughly mix the contents by stirring with a suitable paddle.
8. Upon completion of filling the WeedMasta tank, replace the filler cap and twist to tighten.
9. Wash off any spillage from outside the tank.
10. Close the chemical supply containers and store appropriately. Any empty containers must be thoroughly rinsed and set aside for collection and disposal in compliance with environmental and work safety requirements.

## Operating Instructions

The WeedMasta is started and operated as follows:



**WARNING:** Suitable PPE must be worn by the operator when conducting manual hose spraying operations.



**CAUTION:** Do not spray in windy conditions, where spray drift contamination may occur.

1. Confirm the tank contains the required chemical or water quantity.
2. Check that the battery has sufficient charge (refer to Before first use section).



**CAUTION:** Ensure the potentiometer is set to the minimum position.

3. At the pump, check that the adjustable potentiometer is set to the minimum position by turning the knob anti-clockwise, refer to Figure 3.

ON-OFF Switch

Adjustable  
Potentiometer

Fuse Holder

Battery Charger  
Power Socket



**Figure 3 – WeedMasta Controls**

4. Start the pump by turning the power switch to ON.
5. With the pump running, turn the potentiometer knob clockwise to the required pressure. As a guide, refer to the nozzle details and delivery rates in the Specifications table.
6. Unclip the spray gun from its holder on the side of the tank.
7. Aim the spray gun in the required direction and squeeze the trigger.
8. Use a constant speed when spraying and release the trigger at the end of each swath or change of direction, to prevent overdosing. Work in parallel lines when spraying large areas, rather than swinging from side to side.

9. At the end of the task, release the spray gun trigger and switch the pump to OFF.
10. With the pump now turned OFF, aim the spray gun in the required direction and squeeze the trigger. This will release the residual pressure in the hose, which will result in a small amount of fluid discharging.
11. With the hose pressure released, the hose is ready to stow back on the WeedMasta.

## Clean-up and Decontamination

After use, the WeedMasta unit must be thoroughly decontaminated inside and outside – including the pump, hoses, boom and spray gun – to avoid damage to crops from any harmful pesticide spray residues. Decontamination also prevents sprayer corrosion and abrasion.

Cleaning the WeedMasta should be undertaken at a carefully chosen site, away from any risk of spillages draining into watercourses or into environmentally sensitive areas.

The recommended decontamination procedure is as follows:



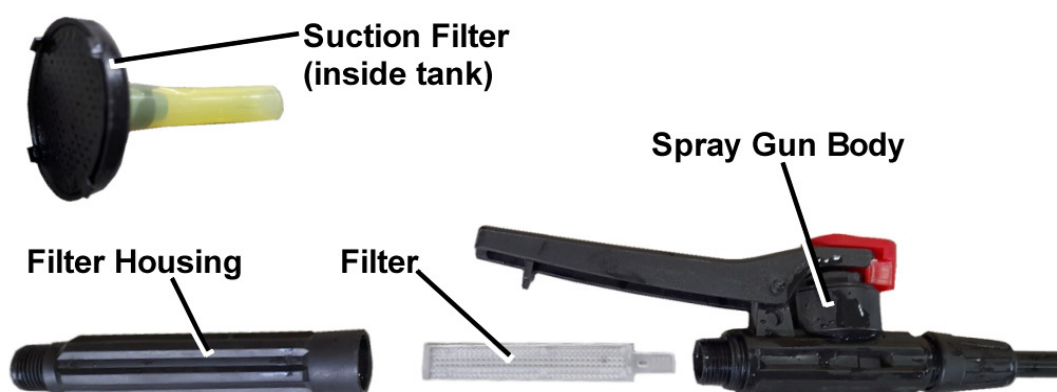
**WARNING: Suitable PPE must be worn by the operator when cleaning and decontaminating the WeedMasta unit. Follow the instructions provided with the chemicals or the applicable Safety Data Sheet.**



**WARNING: Ensure the cleaning area is in an open, well-ventilated space, and any flushing water is captured to prevent runoff into watercourses or into environmentally sensitive areas.**

1. After spraying operations are complete, drain any residual fluid from the tank. Capture and dispose or store any fluid in accordance with environmental and work safety requirements.
2. Rinse out the tank with several changes of water, plus a recommended cleaning fluid. Where it can be reached internally, use a brush to scrub the inside of the tank.
3. Operate the WeedMasta unit with clean water, using the spray gun, to ensure no chemical residue remains.
4. Reaching inside the tank, pull the small suction filter off its mount near the bottom of the tank – the filter is shown in Figure 4. Soak the filter screen in clean water, brushing carefully with a nozzle brush. Refit the filter by pressing it back into its mount.
5. Ensure that the tank's basket strainer is free from chemical residue or debris.
6. Unscrew the rear section of the spray gun trigger unit and withdraw the filter, refer to Figure 4. Clean and reassemble.
7. Nozzles, nozzle filters, nozzle caps and gaskets should be cleaned by soaking in water, brushing with a nozzle brush and allowed to dry. Do not blow through the nozzles or use wire or pins to clear any blockages.
8. Dispose of all rinsing water in compliance with environmental and work safety requirements.

If the WeedMasta unit is to be stored for an extended period, thoroughly clean and decontaminate the unit as described above. Ensure it is allowed to dry, the tank and all lines empty and not pressurised then store it in a well ventilated area.



**Figure 4 – WeedMasta Filters**

## Maintenance

Your WeedMasta Spray Trailer requires minimal maintenance but regular cleaning and checks will ensure safe and reliable service over its lifetime. Periodic checks and inspections will identify any potential issues, enabling timely rectification and minimising downtime.

### Periodic Checks



**CAUTION: In dusty, dirty or smoky environments, cleaning, inspection and servicing of the unit on a regular basis is essential. The cleaning, inspection and servicing must be undertaken more frequently in harsh conditions to avoid damage or destruction of equipment.**

The following checks and cleaning operations should be undertaken on a regular basis (at least annually). The frequency of these activities will depend on the nature of the operating environment and the operational hours of the WeedMasta unit. Refer to the maintenance schedule tables below for details of maintenance intervals.

1. Clean the unit and inspect it for any signs of damage or wear. Replace any safety labels if they are damaged or illegible.
2. Check all fittings are firmly secured, tighten if necessary.
3. Unwind the hose fully to check that hose is in good order. Pressurise the line and check operation of spray gun nozzle.
4. If the WeedMasta is to be stored for an extended period, thoroughly clean and decontaminate the unit as described above. Ensure it is allowed to dry, the tank and all lines empty and not pressurised then store it in a well ventilated area.

### Maintenance Schedule

The following tasks are to be conducted in accordance with each of the schedules. All scheduled tasks are to be undertaken concurrently. For example, at the three month maintenance interval, all task listed are to be undertaken, in addition to the daily, weekly and monthly tasks.



**NOTE: Maintenance is important. Keep a record of all maintenance tasks conducted on the WeedMasta unit.**

TTi recommends photocopying these schedules in order to keep a detailed log of all maintenance tasks. A copy of these schedules will be required to support any warranty claim.

### Daily tasks

The following tasks are to be undertaken daily, or prior to each use, of the WeedMasta unit.

| No. | Task                                                       | Notes                    |
|-----|------------------------------------------------------------|--------------------------|
| 1   | Inspect the WeedMasta unit for any signs of damage or wear | Clean, repair or replace |

### Weekly Tasks

The following tasks are to be undertaken each week or 10 operating hours, whichever occurs first.

| No. | Task                               | Date | Signed |
|-----|------------------------------------|------|--------|
| 1   | All Daily tasks                    |      |        |
| 2   | Check battery, charge if necessary |      |        |

### Monthly tasks

The following tasks are to be undertaken each month or 20 operating hours, whichever occurs first.

| No. | Task                       | Date | Signed |
|-----|----------------------------|------|--------|
| 1   | All Daily and Weekly tasks |      |        |

### Three Monthly tasks

The following tasks are to be undertaken every three months or 50 operating hours, whichever occurs first.

| No. | Task                                             | Date | Signed |
|-----|--------------------------------------------------|------|--------|
| 1   | All Daily, Weekly and Monthly tasks              |      |        |
| 2   | Check all hoses, fasteners, nozzles and fittings |      |        |

### Six Monthly tasks

The following tasks are to be undertaken every six months or 100 operating hours, whichever occurs first.

| No. | Task                                           | Date | Signed |
|-----|------------------------------------------------|------|--------|
| 1   | All Daily, Weekly, Monthly and 3-Monthly tasks |      |        |

### Twelve Monthly tasks

The following tasks are to be undertaken every twelve months or 200 operating hours, whichever occurs first.

| No. | Task                                                           | Date | Signed |
|-----|----------------------------------------------------------------|------|--------|
| 1   | All Daily, Weekly, Monthly, 3-Monthly & 6-Monthly tasks        |      |        |
| 2   | Check internal tank and spray gun filters, replace if required |      |        |

### Two-Yearly tasks

The following tasks are to be undertaken every 24 months or 500 operating hours, whichever occurs first.

| No. | Task                                                                  | Date | Signed |
|-----|-----------------------------------------------------------------------|------|--------|
| 1   | All Daily, Weekly, Monthly, 3-Monthly, 6-Monthly and 12-Monthly tasks |      |        |

## Trouble Shooting

If a fault develops with your WeedMasta unit, the following trouble shooting tables provides guidance to identify and rectify the problem.

| Problem                                       | Possible cause                                                                                                                                                                                                                                                                                                                                                                                  | Remedy                                                                                                                                                                                                                                                                                                                                                                           |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| The motor fails to run after being turned ON. | <ul style="list-style-type: none"> <li>The pump pressure has been set at the min. value.</li> <li>Fuse burn-out</li> <li>Battery out of power</li> <li>Power switch has been damaged</li> <li>Power wires broken/ disconnected</li> <li>Motor damaged</li> <li>Potentiometer has been damaged</li> </ul>                                                                                        | <ul style="list-style-type: none"> <li>Turn the knob clockwise to increase the pressure</li> <li>Replace</li> <li>Recharge</li> <li>Replace the switch</li> <li>Disassemble the base to reconnect the wires</li> <li>Replace the Motor</li> <li>Replace the Potentiometer</li> </ul>                                                                                             |
| Abnormal sounds while the motor rotates       | The pump fastening screws are loose                                                                                                                                                                                                                                                                                                                                                             | Tighten the screws                                                                                                                                                                                                                                                                                                                                                               |
| Leakage occurs to the underside of the base   | The pump inlet and outlet hoses loose or broken                                                                                                                                                                                                                                                                                                                                                 | Disassemble the base to tighten the hose clamp or repair it.                                                                                                                                                                                                                                                                                                                     |
| Poor atomization results                      | <ul style="list-style-type: none"> <li>Extra-low pump pressure</li> <li>Sprinkler sheet holes are blocked</li> <li>Spray hole and split sheet are worn out</li> <li>Spraying sheet has been inversely assembled</li> <li>Pipe joints may be loose</li> <li>Battery short of power</li> <li>One inlet valve or outlet valve of the pump has been jammed to reduce the pressure by 50%</li> </ul> | <ul style="list-style-type: none"> <li>Turn the knob clockwise to increase the pressure</li> <li>Remove the debris</li> <li>Replace the sheets</li> <li>Disassemble and correct it</li> <li>Tighten the joint</li> <li>Recharge the battery</li> <li>Remove the base, pump clean water while knocking at the pump head gently; disassemble the pump housing to repair</li> </ul> |

## Risk Assessment

| Task                                              | Hazard                                                                                                     | Risk   | Control Measure/Mitigation                                                                                                                                                                                                                                                                                                                    |
|---------------------------------------------------|------------------------------------------------------------------------------------------------------------|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Check weather conditions                          | Manual handling; slips, trips or falls                                                                     | Low    | <ul style="list-style-type: none"> <li>Wear PPE as per chemical requirements SDS – coveralls, gloves, safety footwear, glasses &amp; respirator</li> <li>Follow safe manual handling techniques: don't lift on your own if &gt;20kg, bend knees &amp; keep back straight.</li> </ul>                                                          |
| Mix chemicals (if applicable) and fill spray tank | As above, spray drift, chemical spillage, emission of vapours or flammability: weather, untrained visitors | Medium | <ul style="list-style-type: none"> <li>As above</li> <li>User trained in relevant chemical mixing &amp; administration course, e.g, Chem Cert;</li> <li>Follow relevant Environmental Protection Authority requirements;</li> <li>Fire extinguisher nearby;</li> <li>Keep visitors away from job location unless wearing full PPE.</li> </ul> |
| Clean up, maintenance & storage                   | As above                                                                                                   | Low    | <ul style="list-style-type: none"> <li>As above;</li> <li>Continue to wear PPE for clean up;</li> <li>Store unit in a dry, well ventilated area.</li> </ul>                                                                                                                                                                                   |

# Warranty

## Your rights under the law

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law.

You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

## About this document

This document sets out the terms of the defects warranty that we offer to retail purchasers of our goods, including components, parts, and accessories (referred to as "products" in this document). We offer this defects warranty in addition to the consumer guarantees referred to above. Nothing in this document excludes or reduces your rights under those consumer guarantees.

## What this warranty covers

This warranty covers defects in materials or workmanship (or both) which are found to be present in our products, other than the defects in the parts and components listed below.

## What this warranty does not cover

This warranty does not cover defects or damage caused by your negligence, your failure to follow instructions (including incorrect assembly or mounting by you), or the improper use, maintenance, or abuse of the products.

This warranty does not cover engines, gearboxes, pumps, or regulators. These come with separate warranties from their manufacturers. By offering this defects warranty, we do not assume any additional obligations or liability on behalf of those manufacturers beyond what we must do to comply with the consumer guarantees referred to above.

## How long this warranty lasts for

Except in the case of products used for rental purposes, the period of our defects warranty is as follows for our various products:

|                                      |          |
|--------------------------------------|----------|
| Tanks (non-diesel), excluding frames | 25 Years |
| Steel frames                         | 5 Years  |
| Other TTi Manufactured Components    | 1 Year   |

This warranty lasts for one year from the date of your retail purchase of the products, unless it is used for rental purposes, in which case this warranty is limited to 90 days.

## What we will do if you make a claim under this warranty

If you make a claim under this warranty, we will consider it in good faith. If we agree that the products are covered by this warranty and are defective, we will either (at our option) repair or replace them without charge to you.

## What you must do (and not do) to entitle you to a claim under this warranty

You must be able to provide proof of purchase, either by providing details of your warranty registration or a purchase receipt.

You must not repair or modify (or allow the repair or modification of) the products without prior authorisation from us. Further, you must not use any non-genuine parts with the products. Doing any of these things will void this defects warranty.

## How to make a claim under this warranty

If you believe that you have a claim under this warranty, please contact your reseller, or contact us using the following details:

|                          |                                                   |
|--------------------------|---------------------------------------------------|
| <b>Name:</b>             | <b>Trans Tank International</b>                   |
| <b>Postal Address:</b>   | <b>PO Box 137 Nathalia, VIC, 3683</b>             |
| <b>Physical Address:</b> | <b>Murray Valley Highway, Nathalia, VIC, 3638</b> |
| <b>Phone:</b>            | <b>1800 816 277</b>                               |
| <b>Email:</b>            | <b>ProductSupport@tti.com.au</b>                  |

You must make the defective products available for inspection by returning them to us, and (if requested to do so) by making them available for inspection by us on site beforehand. You must ensure that the products are made safe for transportation and inspection, including by cleaning them thoroughly to remove any chemical residues. All returned products must be accompanied by a completed Return Goods Note. Please contact us using the details displayed above for a copy of this document.

## Who is responsible for expenses for claims made under this warranty

You are responsible for any expenses associated with the warranty claim, including transportation, charges made for service calls, and clean-up time.









**TransTank<sup>®</sup>**  
INTERNATIONAL



SCAN HERE!

**1800 816 277**

**sales@tti.com.au**

PO Box 137, Nathalia, VIC, 3638

Murray Valley Hwy, Nathalia, VIC 3638

Proudly Built By:

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Signature

Date

Quality Checked By:

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Signature

Date

**www.tti.com.au**