



Operators Manual

Feed Out Trailers



Contents

Introduction	4
Serial Number Location	4
Disclaimer	4
Induction Sheet for Operators.....	5
Grainline Warranty Registration	6
Grainline Warranty Conditions.....	6

Section 1: Safety Information

1.1 Hazard Labels	7
1.2 General Safety	7
1.3 Intended Use	7
1.4 Correct Usage	7
1.5 Incorrect Usage	8
1.6 Transportation Safety	8
1.7 Safety Decals	9
1.8 Diagram of Decal Placement	10

Section 2: Operation

2.1 Pre-Operation	14
2.2 Feeding Out	14
2.3 Trail feeding Operation	15
2.4 After Feeding/Shutdown.....	15
2.5 Cleanup After Handling Fertiliser	16

Section 3: Maintenance & Storage

3.1 Maintenance Schedule	17
3.2 Preparing the Trailer for Storage	18

Section 4: Transport & Lifting

4.1 Transport	17
4.2 Lifting	18

Section 6: Specifications

5.1 Main Machine Components.....	17
5.2 Specifications	18

Introduction

Thank you for purchasing a Grainline feed out trailer. Every effort has been made to provide you with a reliable product, specifically designed to complement and improve your farming operation.

Please read this manual thoroughly before using the feed out trailer. The information included in this manual is crucial for proper installation, operation, and maintenance.

All information in this publication is based on the latest product information available at the time of printing. Grainline is continually improving the design and performance of their products. They reserve the right to make any changes at any time without notice and without incurring any obligation. No part of this publication may be reproduced without written permission.


Serial Number Location

The serial number location for your feed out trailer is shown in the figure below. Please have the serial and model number ready when ordering parts, requesting service or other information. Record your details below for easy reference.

Your Details:

Model:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	Serial Number:	<input type="text"/>	<input type="text"/>	-	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
---------------	----------------------	----------------------	----------------------	----------------------	----------------------	----------------------	----------------------	-----------------------	----------------------	----------------------	---	----------------------	----------------------	----------------------	----------------------





1 HARTOG PLACE, WAGGA WAGGA 2850 PHONE: 02 6923 0011

MODEL

SERIAL No.

Disclaimer

Grainline, their employees, distributors, and agents cannot be held responsible for any faulty electrical parts, installation, connections, insulation, leads, plugs, wiring or any other part used for the operation of the feed out trailer. Full responsibility rests solely and completely on the end user for the correct and legal installation thereof. Intended use of the auger, handling grain, pulse crops, treated seeds or similar materials. Use in any other way is considered as contrary to the intended use and is not covered by warranty.

Grainline Warranty Registration

Please ensure that you complete the warranty registration for your feed out trailer as directed below. This will ensure that your details as the owner are accurate and allow a faster response time to any issues that may arise.

To complete your warranty registration please scan the QR code or go to:

www.grainline.com.au/warranty-registration



Grainline Warranty Conditions

Limited 2 year warranty for all products manufactured by Grainline.

What this warranty will cover.

Grainline will at its own discretion, repair or replace without charge any part of our products which may be found defective in material and/or workmanship within 24 months of the original purchase date.

At Grainline's request the customer will make the defective part available for inspection by Grainline or a dealer of Grainline products so that the cause of the faulty / defective part can be identified for accurate repair.

All parts used and manufactured on Grainline products are covered by this warranty except for the following components, which are covered by their respective manufacturer's warranty.

- Honda Engines 1300 246 632 - poweredby.honda.com.au/Warranty
- Vanguard Engines 1300 274 447 - vanguardengines.com/service-support
- Kohler Engines 02 9830 2305 - epgengines.com.au/contact-EPG-engines
- It is the owner's responsibility to transport defective parts and/or units to their local service dealer who can negotiate a call-out fee at the owner's expense.
- A warranty form must be completed and sent to Grainline and authorisation is needed before a service dealer is able to commence any repairs on Grainline products.

What this warranty will not cover.

- Defects caused by depreciation or damage caused by normal wear, accidents, improper maintenance, improper use and abuse of the product, alterations, or failure to follow the instructions contained in the owner's manual for operation and maintenance.
- Transport cost for making Grainline products available for inspection and/or repair to and from the place where the warranty work is performed.

How to obtain service under this warranty.

Warranty service can be arranged by contacting either your Grainline Dealer or Grainline direct on 1800 810 498. Please have the auger model and serial number available as this will be required by the service technician.

1. Safety Information

The owner is responsible for the safe operation and maintenance of this equipment. Please note that information of special importance has been highlighted in this manual using the below signal words.

1.1 Hazard Labels

DANGER

Indicates an imminently hazardous situation that, if not avoided, will result in serious injury or death.

WARNING

Indicates a hazardous situation that, if not avoided, could result in serious injury or death.

CAUTION

Indicates a hazardous situation that, if not avoided may result in minor or moderate injury.

NOTICE

Indicates a potentially hazardous situation that, if not avoided, may result in property damage

1.2 General Safety

The Grainline feed out trailer must not be used when the operator is:

- Taking medication that causes drowsiness.
- Under the influence of alcohol or drugs
- Incompetent
- Not aware of the operating procedures

Manufacturers, retailers, owners, and operators all have responsibilities with regards to safety. Be aware of your responsibilities and carry them out. The owner or designated officer is responsible for the safe operation and maintenance of this equipment. The most important part of safe operation is a safety conscious operator who always remembers to:

- Keep children away from the work area.
- Be aware of overhead electrical lines. Electrocutation can occur without direct contact.
- Do not operate feed out trailer with any safety shield, cover or guard removed.
- Keep body, hair, and clothing away from all moving parts.
- Inspect drive belts, drivelines, cables, bolts and nuts and intake area before operating grain auger.
- Replace, repair, tighten and clean out any parts or areas that need attention.
- Petrol engines to be operated in an adequately ventilated area.

1.3 Intended Use

The Grainline feed out trailer has been designed and manufactured, to assist in the safe and effective distribution of grain and feed. Use of the trailer in any other way is considered as misuse and is not covered by the warranty.

1.4 Correct Usage

The Grainline feed out trailer must be used in accordance with the safety instructions contained within this manual. Only competent personnel who have received proper training and are familiar with the machine should operate and perform any service work. When the feed out auger is being used hearing protection must be worn, and it is the owner's responsibility to provide the appropriate hearing protection to all others involved in the operation of the auger. Please note, where guards and safety features are removed in this manual it is for illustration purposes only.

1.5 Incorrect Usage

The Grainline feed out trailer must not be used for anything other than the intended purpose set out by Grainline.

Incorrect use of the feed out trailer includes:

- Using the trailer to transport non feed items.
- Using the auger to transfer materials other than dry, free-flowing food grains.

WARNING: Any modification to the feed out trailer without the approval of Grainline will void all warranty and could result in death or serious injury.


1.6 Transportation Safety







- Check applicable state or territory laws and regulations before transporting.
- Always travel at a safe speed.
- Never transport in fog, snow, or heavy rain.
- Ensure the feed out auger is fully folded and secured before transporting.
- When towing always attach safety chains and use a suitable towing vehicle.

1.7 Safety Decals

Samples of the safety decals here are those used on the Grainline feed out trailers.

WARNING: Regularly read all safety decals that appear on your Grainline feed out trailer and replace them if damaged. Failure to do so could result in serious injury or death.

Decal No.	Decal Explanation	Decal Detail
Decal 1.	<p style="text-align: center;">EXPOSED ROTATING FLIGHTING</p> <ul style="list-style-type: none"> - Keep hands, feet, and clothing away from intake. - Keep guarding in place. 	

<p>Decal 2.</p>	<p style="text-align: center;">ROTATING FLIGHTING HAZARD</p> <ul style="list-style-type: none"> - Warns of rotating flighting hazard on the intake of the grain auger. - Sets out the steps to follow for the safe operation of the grain auger. 	 <p>CAUTION ROTATING FLIGHTING HAZARD</p> <ol style="list-style-type: none"> 1. Read and understand the operators manual before operating equipment. 2. Keep all safety guards and devices in place and in good working order. 3. Ensure everyone is clear before operating equipment. Keep all children, visitors and untrained personal away at all times. 4. Keep hands, feet, hair and clothing away from all moving parts. 5. Do not run auger empty. 6. Hearing protection must be worn. 7. Switch off power, disconnect hydraulic/ PTO or stop engine to adjust, service or clean the equipment. 8. Make sure electric motors are earthed. 9. Disconnect power before restarting overloads or electric motors. 10. Always lower before moving and when not in use. 11. Trained personal must be in attendance when equipment is being operated.
<p>Decal 3.</p>	<p style="text-align: center;">ROTATING DRIVE HAZARD</p> <ul style="list-style-type: none"> - Keep guarding in place and in good working order. - Do NOT operate if guarding has been removed. 	 <p>DANGER ROTATING DRIVE HAZARD</p> <p>Keep guarding in place and in good working order. Do not operate if guarding has been removed.</p> <p>Failure to do so will result in serious injury or death.</p> 
<p>Decal 4.</p>	<p style="text-align: center;">DO NOT RUN AUGER EMPTY</p> <ul style="list-style-type: none"> - Hearing protection must be worn. - Keep electric motor and leads protected against moisture. 	 <p>WARNING DO NOT RUN AUGER EMPTY</p> <p>Hearing protection must be worn.</p>  <p>Keep electric motor and leads protected against damage and moisture.</p>  <p>Failure to do so may result in serious injury or death.</p>

1.8 Diagram of Decal Placement



Section 2. Operation

2.1 Pre Operation

1. Ensure the wheels are inflated to the recommended pressure displayed on the tyres.
2. Close the primary hopper doors, auger door and trail feed door.
3. Open tarp cover and load the bin.
4. Ensure there is enough fuel for the duration of the job as refuelling when the engine is hot, is not permitted.
5. Extend auger and ensure securely locked into position.
6. Start engine and allow to warm up for two minutes running at idle.
7. When ready to begin feeding out, set the throttle to full rev's and open the auger door.

NOTICE: It is important to have equal pressures in the wheels so that the machine maintains a stable position. Ensure auger is in the up position before starting the engine.



2.2 Feeding Out

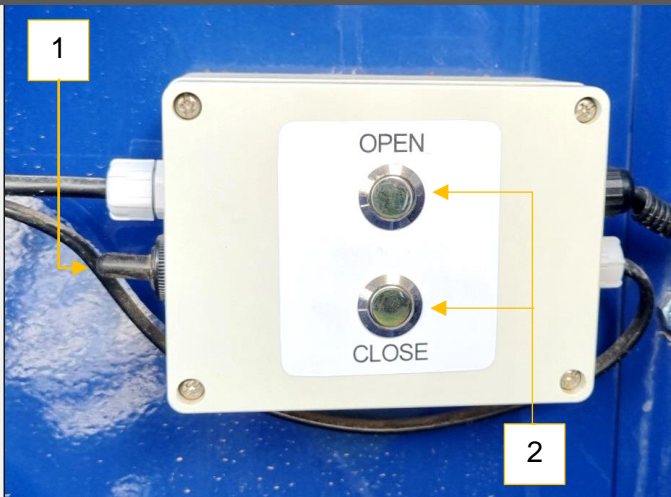
1. For the 4.0 tonne model select either of the primary hopper doors and open to the flow required.
2. Both hoppers may be discharged at the same time to form a stock feed mix.
3. The primary hopper door control levers are located in the front centre of the machine and below the hopper ladder.
4. Once the flow and selection has been set via the primary hopper doors, feed may be discharged via either the trail feed door or auger.
5. The engine is not required for trail feeding operation.

2.3 Trail Feeding Operation

1. To operate the trail feed door, ensure the trailer plug is secure and the tow vehicle has park lights switched on to provide power to the trailer. Turn on the isolator switch on the control box.
2. The remote-controlled trail feed door is primarily operated by using the remote FOB, alternatively it can be operated by the towing vehicles brake pedal. This is done by three taps on the brake pedal within three seconds.
3. The trail feed door can also be operated via the two buttons on the control box on the right-hand side of the machine. This is primarily used for cleaning out or flow measurement.
4. Once finished turn off the isolator switch on the control box and the vehicle park lights.

Trail feed control box functions

<p>LED Door Indicator Light</p> <p>Off– Door is closed</p> <p>Flashing – Door is opening</p>	<p>4 Tonne trailer LED indicator</p>	
<p>On – Door is open</p>	<p>2.5 Tonne trailer LED indicator</p>	

<p>1. Isolator Switch</p> <p>2. Manual override buttons</p>	
---	--

NOTICE: Ensure the remote trail feed controller is switched off when not in use. This will prevent the door from opening unintentionally during transport.

2.4 After Feeding / Shutdown

1. When you have finished feeding out via the auger, close the auger door and wait until no more material is being discharged.
2. Stopping or slowing the engine while material is still being discharged or still in the auger barrel may result in jamming the auger at the next start up.
3. If material has been left in the auger remove it via the auger cleanout door at the bottom of the auger.

DANGER: Never use your hands to clean out the auger.

2.5 Cleanup After Handling Fertiliser

1. Compressed air or vacuuming is the recommended method to remove all residual fertilizer or corrosive material.
2. Using water to clean out corrosive materials will increase the corrosive activity.
3. Opening all doors including the cleanout door at the base of the auger will give access to all points where material may collect.

Section 3. Maintenance & Storage

3.1 Maintenance Schedule

The following tasks should be completed prior to each use.

1. Visual check on belts, pulleys and bearings.
2. Check for any loose or rattling fasteners on the machine.
3. Ensure all warning and danger labels are legible.
4. Ensure wheel bearings are firm & wheel nuts are secure.
5. Check tyre pressures are correct.
6. Engine maintenance is to be carried out as per instructions in the Engine Manufacturers Owner's Manual.

3.2 Preparing the Trailer for Storage

Should the feed out bin be placed into storage for longer than three months, it is recommended that the fuel be drained from the engine. To drain fuel from engine, follow the steps below.

1. Remove the white nylon plug which is fitted underneath the fuel tap.
2. Unscrew the plug using the correct size spanner and drain the fuel into a fuel safe container.
3. Replace the plug using caution not to over tighten as this will strip the thread.
4. Turn the fuel tap off.
5. The machine should be stored in a dry location.

Section 4. Transport & Lifting

4.1 Transport

All transport and lifting operations are the sole responsibility of the lifting and transport equipment operator. The following instructions are to be used as a guide only.

1. The machine is best secured for transport by using ratchet straps or chains of suitable capacity and routing them over the machine chassis.
2. Ensure an equal down force is applied on each side of the machine to prevent rotating in transit.
3. Do not apply excessive downward force on the jockey wheel during transit.

4.2 Lifting

1. The feed out bin may be lifted with a forklift equipped with suitable and approved tine extensions.
2. Lift from the rear only and directly lift on the underside of the feed out bin axles.

Section 5. Specifications

5.1 Main Machine Components

Basic machine technical details explained:

- The Grainline feed out bin uses a very simple system of gravity feed to supply the trail feed door or the discharge auger. The material is released via sliding doors to fill the mixing hopper and then released via the trail feed door or discharge auger. This allows the discharge of one, both or a pre-set mixture of both hoppers. (Note: bins 2.5 Tonne and smaller have a single hopper only).
- Where the feed out bin has an additive box fitted, this also flows into the mixing hopper which allows additives to be trail fed or delivered via the auger.
- The drive train incorporates a centrifugal clutch which engages when the engine is revved up. It is recommended to operate the engine at full RPM in order to maintain a good clutch engagement.

5.2 Specifications

2.5 Tonne Trailer	
Hopper Capacity	2 Cubic Metres
Dimensions	Length: 3450mm Width:2130mm Height:1750mm
Weight	680kg
Engine	Honda 4 Stroke
Auger	5 Inch Folding
4 Tonne Trailer	
Hopper Capacity	5 Cubic Metres
Dimensions	Length: 4100mm Width: 2130mm Height: 2400mm
Weight	960kg
Engine	Honda 4 Stroke
Auger	6 Inch folding

Notes:



1 Hartog Place, East Wagga Wagga NSW 2650, Australia

Phone: 1800 810 498

Email: sales@grainline.com.au

Website: www.grainline.com.au



Scan to request replacement manuals & spare parts.
