

# SMARTfeeders

## Operators Manual



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## **Introduction**

Thank you for choosing a SmartFeeder feed-out cart.

To ensure the best use, please read this manual before operating your cart.

As SmartFeeder continuously works to enhance product design and functionality, specifications may change without prior notice or obligation.

## **Disclaimer**

SmartFeeder, bears no responsibility for faulty electrical components, including installation, connections, insulation, leads, plugs, or wiring used in operating the smartfeeder cart.

Ensuring proper and legally compliant installation is entirely the responsibility of the end user.

The auger on the smartfeeder cart is specifically designed for handling various types of DRY grain, or similar materials. Any other use may be considered improper and is not covered under our warranty.

## **For Operators**

Operators must adhere to all applicable state regulations regarding safety, transport, and operation. All operators should receive proper training in the safe and correct use of the feed-out cart. Refer to this manual for further instructions on how to use safely and properly

## **SmartFeeder Warranty Conditions**

12 month warranty for all products manufactured by SmartFeeder

The warranty of the machinery will not apply if the machinery has been misused or abused or damaged in an accident, fair wear and tear, misuse, weather damage and unauthorised repairs.

There is no warranty on the reflector lights, tyres, rims or wheel bearings and jockey wheel.

It is the owner's responsibility to check all moving parts of the machinery this includes after use that the wheel nuts are checked and tightened on a regular basis.

The standard warranty parts & labour covers the machinery for a period of 12 months from the delivery date this excludes replaceable items including filters, oils, lubricants, clutches, brake discs and linings. It also excludes belts, hoses, glass and light bulbs. It also excludes the items covered by component manufacturer warranty such as supplied batteries, tyres, pumps and the injectors. Please refer to the [smartfeeders.com.au](http://smartfeeders.com.au) terms and conditions for more information regarding warranty inclusions and exclusions

## 1. Safety Information

The owner is responsible for ensuring the safe operation and proper maintenance of the feed cart.

### 1.1 Hazard Labels



Indicates an immediate hazard that, if not addressed, will lead to serious injury or death.



Indicates a potential hazard that, if not avoided, could lead to serious injury or death.



Indicates a potential hazard that, if not addressed, may cause minor or moderate



Indicates a potential hazard that, if not addressed, may cause property damage.

### 1.2 General Safety

The owner or designated operator is accountable for the safe operation and maintenance of the feed cart. Always remember to:

- Keep children away from the work area.
- Be mindful of overhead electrical lines—electrocution can occur even without direct contact.
- Never operate the feed-out cart without safety shields, covers, or guards in place.
- Keep body, hair, and clothing away from moving parts.
- Inspect drive belts, drivelines, cables, bolts, nuts, and the intake area before every use.
- Repair, replace, or clean any damaged or worn components as needed.
- Operate petrol engines only in well-ventilated areas.
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### 1.2 The Intended Use

The SmartFeeder cart is specifically designed for farmers for FARM USE ONLY and is manufactured to facilitate the safe and efficient distribution of DRY grain and feed it is not designed for wet material. Any other use beyond the intended purpose stated above is considered a misuse and will not be covered under warranty.

## 1.4 The Correct Usage

The SmartFeeder feed-out cart must be operated in accordance with the guidelines outlined in this operators manual. Only trained and competent operators who are familiar with the equipment should handle its operation.

When using the feed-out auger, we recommend that hearing protection is mandatory. It is the owner's responsibility to ensure that all individuals involved in the operation of the feed out cart are provided with the appropriate protection.

## 1.5 Incorrect Usage

The SmartFeeder feed-out trailer must only be used for its intended purpose as specified by SmartFeeder. Farm use only and dry material only.

Improper use of the trailer includes, but is not limited to:

- Transporting items other than feed.
- Using the auger to transfer materials that are not dry food grains.
- The smartfeeder is a farm implement and for farm use only and is not to driven on public roads

**WARNING:** Any modifications to the feed-out trailer without prior approval from SmartFeeder will void warranty and may lead to injury

## 1.6 Safe Transportation

- When towing on the farm, always attach safety chains
- Use a suitable towing vehicle always
- Ensure the auger is fully folded and secured before transporting
- Always travel at a safe speed
- Check applicable state laws and regulations before transporting
- The smart feeder cart is a farm implement only for farm use only and is not permitted to be towed by any vehicle on public roads

## 1.7 Safety Decals

Please ensure the operator of the feed cart complies to all safety decals used on the SmartFeeder cart. Please follow the safety information provided on the decals

**WARNING:** Regularly review all safety decals on your SmartFeeder feed-out cart and replace them if damaged

## Section 2. Operation of Cart

### 2.1 Pre Operation

1. Check all tyres are inflated to the recommended pressure as displayed on the tyres.
2. Close the primary doors.
3. Open the tarp cover on the top of the cart and load the bin.
4. Check the fuel levels (do not refill fuel when engine is hot)
5. Extend the auger and ensure the auger is securely locked into correct position.
6. Ensure the auger is in the up position before starting the engine
7. Start the engine and allow it to warm first running at idle.
8. When ready set the throttle to full revs and open the auger door.
9. Read the provided engine user manual before use

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

### 2.2 Feeding Out

1. For the smart feeder cart 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 at the side of the machine below the hopper.
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 the auger.
5. The engine is not required for trail feeding operation.
6. To engage auger the lever is at the rear of the cart

### 2.3 Trail Feeding Operation

1. Ensure the trailer plug is securely connected and the tow vehicle's park lights are on to supply power to the trailer. Turn on the isolator switch on the control box.
2. The trail feed door is primarily operated via the remote control.
3. The trail feed door can also be operated using the two buttons located on the control box.
4. The trail doors can also be operated manually

## **2.4 Shutdown operation post feeding**

1. After finishing the feed-out operation using the auger, close the auger and wait until all dry material has stopped being discharged.
2. Stopping or slowing the engine while material is still being discharged or remains in the auger may cause the auger to jam up during the next startup.

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

## **Section 3. Maintenance & Storage**

### **3.1 Maintenance Schedule**

#### Maintenance Checks

1. Inspect belts, pulleys and bearings.
2. Check for any loose bolts or fasteners on the machine.
3. Ensure all warning and decal labels are clear and visible.
4. Check the wheel bearings are firm and the wheel nuts are secured.
5. Check the tyre pressure of the tyres
6. Follow the Engine Manufacturer's owner manual for all engine maintenance procedures.

### **3.1 Preparing the Cart for Storage when not in use**

If the feed-out bin will be in storage for more than three months, it is recommended to clean the cart out and store under cover in a protected dry area if desired you can also drain the fuel from the engine if not being used for long periods of time.

## **Section 4. Transport & Lifting cart**

### **4.1 Transport of cart**

All lifting and transport operations are the sole responsibility of the owner. The following guidelines are our recommendations only:

1. Secure the machine using ratchet straps or chains of adequate capacity, ensuring they are positioned over the chassis.
2. Apply equal downforce on both sides of the machine to prevent rotation during transit.
3. Avoid excessive downward pressure on the jockey wheel while in transit.

#### **4.1 Lifting the cart**

1. The feed-out cart can be lifted using a forklift equipped with properly rated and approved tine extensions.
2. Always lift from the rear, ensuring the forklift tines are positioned directly under the axles.

### **Section 5. Specifications**

#### **5.1 Components of Machine / Cart**

- The SmartFeeder feed-out cart operates using a simple gravity-feed system to supply either the trail feed door or the discharge auger.
- Material is released through sliding doors into the mixing hopper before being discharged via the chosen outlet.
- This setup allows for the discharge of feed from one hopper, both hoppers, or a pre-set mixture.