

# OMNIVORE COMPOSTER

## Operator's Manual

Composting will improve the biosecurity of your farm operation!  
It's an easy and efficient way to dispose of your deadstock.



Sold by:



31290 Wheel Ave.  
Abbotsford B.C. V2T 6H1  
604 746-5376

***Composting,  
give it a  
whirl***

## ***Safety***

The Omnivore composter has safety guards and warning stickers that must be in place for safe operation.

Make sure that loading door is closed and latched properly before starting compost cycle.

## ***The Composting Process***

Four key elements are important in order to make the composting process successful.

- Carbon/Nitrogen (C/N) Ratio

The deadstock will bring the Nitrogen to the mix, shavings (or chopped straw) need to be added as a Carbon source. The shavings will also absorb moisture and odors.

- Moisture

A well maintained composting process does not need additional water. The moisture needed will come from the deadstock. Extra shavings can be used to dry the mix up if the moisture content is to high.

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- Oxygen

Fresh air, needed for a good composting process, will get into the drum when opening the loading door to add deadstock into the Omnivore composter, and through the added air vents for larger models. Frequently rotating will make sure that the mix stays fluffy and that air gets where it is needed.

- Heat

When the elements above are well maintained, the insulated drum will keep the heat that is created during the composting process inside the composter. No additional heat is needed. Maintain a temperature between 100° F and 140° F if possible, using C/N Ratio, Moisture Content and Oxygen as tools to achieve the best temperature.



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## ***Loading***

If your Omnivore composter is equipped with a receiving hopper, open the hopper by lifting the lid at any time, even while the drum is rotating.

For models with a loading door, wait until the rotating cycle is completed then turn the power off, unlatch and the spring loaded door will open.

Open door fully for loading with a front end loader.

Load shavings on top of the compost first, add deadstock then add more shavings on top. Instead of adding shavings only, a mixture of compost or manure with minimum of 50% of shavings can be used.

***Important:*** Do not load drum more than 2/3 to ensure proper mixing.

After loading, close the door/lid and make sure that latches on door are in proper position.

Turn power back on.

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## ***Control***

- Main Disconnect: Will turn all power off to the control.
- Enable/Disable: Could be used to quickly stop the composter.
- Manual/Off/Auto Switch  
Manual:  
The composter can be turned forward or reverse by using the manual mode switch.  
Off:  
This will stop the Omnivore, the control unit will still have power.  
Auto:  
The Auto setting is used for normal operation. By switching from Auto to Off and back to Auto the timer will be reset.
- Cycle Timer  
The control unit is equipped with a cycle timer that is standard set at hours. Numbers on the dial are the hours the composter will wait before it starts up again. (From start to start).  
To change the range of hours on the dial simply turn the bottom right screw (TA11-A) with a small screw driver.

## ***Maintenance***

- Grease drive sprocket and drive-ring quarterly.
- Oil door hinges and spring loaded latches every month.

## ***Warranty*** from date of delivery:

(See Warranty Disclaimer)

- 1 year on moving parts and electronics.
- 3 years on structural.

## ***Capacities***

	Max. Weekly		Max. Daily
4' x 5'	400 Lbs.	or	55 Lbs.
4' x 20'	1400 Lbs.	or	200 Lbs.
4' x 30'	2450 Lbs.	or	350 Lbs.
4' x 40'	3500 Lbs.	or	500 Lbs.
4' x 50'	5250 Lbs.	or	750 Lbs.

Daily load capacity can be exceeded as long as load does not go beyond weekly capacity in any 7-day period.

## ***Installation:***

Composter needs to be secured to a level concrete base.  
Wiring: 110 Volts/20 Amp.

## ***Warranty Disclaimer***

This Limited Warranty applies to physical goods, and only for physical goods purchased from Smart Ag Solutions Inc.

### **What does this Limited Warranty cover?**

This Limited Warranty covers any defects in material or workmanship under normal use during the Warranty Period.

During the Warranty Period, Smart Ag Solutions Inc. will repair or replace, at no charge, returned products or parts of a product that proves defective because of improper material or workmanship under normal use and maintenance.

### **What will we do to correct problems?**

Smart Ag Solutions will supply replacement parts at no charge, using new or refurbished parts.

### **How long does the coverage last?**

The Warranty Period for Physical Goods purchased from Smart Ag Solutions is 3 years on structural and 1 year on electrical parts and moving parts from the date of delivery.

A replacement Physical Good or part assumes the remaining Warranty of the original Physical Good.

### **What does this Limited Warranty NOT cover?**

This Limited Warranty does not cover any problem that is caused by:

Conditions, malfunctions or damage not resulting from defects in material, workmanship or improper use, including overloading.