

# COMPOST TURNERS



**APPLICATION** Compost Plants | Farming | Nurseries | Landscaping

## FEATURES INCLUDE

- 1.6m or 3.0m width
- Easily replaceable, hardened steel blades
- Each blade shaped for most effective turning
- Ultra long lifespan on blades
- 3 Inch hydraulic jack
- Large counterweights
- Water spray nozzles ready
- Low operating costs
- Adjustable side flaps
- Produces microbially-active high quality compost
- Scrapers for neat rows
- Simple & strong
- Low maintenance costs
- Reliable, efficient & economical

## BASIC REQUIREMENTS

- Tractor with crawler/creeper gear
- Crawler speed: 250 to 750 meters per hour
- Flat surface for compost
- 4x4 Tractor when operating in wet conditions

## WN1600 & WN3000

Our PTO-driven WN1600 & WN3000 units are built to work through compost heaps efficiently and economically. The WN1600 is for 1.6m rows and the WN3000 is for 3.0m rows. These machines are strongly built with simplicity, which makes them easy to use and to maintain. They have been designed to produce microbially-active, high-quality compost. Tractors with a crawler gear with speeds between 250-750 meters per hour are essential for these machines to operate efficiently.

A special hardened steel is used to manufacture the blades to ensure long lifespan and reduce running/maintenance costs. Each blade is uniquely shaped to bring the compost from the bottom to the top and from the outside to the inside. This allows the compost rows to have a chimney effect to create the perfect flow for CO<sub>2</sub>/Oxygen. Adding moisture to your compost will increase the microbial activity and is an essential part of compost making. A nozzle watering system is built in (fittings not included) to provide the perfect amount of moisture for your compost. It requires little maintenance and repairs are easy to do when breakages occur.



Transport position



Operational position

### Unique Features:

- These compost turners have a transport mode.
- The unit is quickly converted from operational mode to transport mode with the use of hydraulics.
- Because of this feature the machine is easy to maintain, especially when you have breakdowns while in operation, as it cuts into a heap or turns quickly out of it.



# COMPOST TURNERS



Creating your own compost is very cost-effective when compared to buying compost and the process of turning waste material into something valuable again is extremely rewarding. Turning your compost is especially important as the material must be exposed to enough oxygen, which in turn increases microbial activity. The procedure stimulates micro-organisms, which are required to break down coarse material properly. A specialized tool such as a TOMCAT compost turner can be very effective and turns your compost quickly and efficiently. Without the use of a TOMCAT compost turner there will be a slower breakdown rate for the compost, which means a slower return on investment. The frequency at which the compost needs to be turned will be determined by the temperature of the composting matter. As the microbial process starts the temperature will rise and keep on rising until the compost is turned. If the compost is left unturned the microbes will die again due to the high temperatures. In the beginning of the breakdown process the compost needs to be turned more frequently to mix the material properly and activate the process. Monitoring your compost closely and recording the temperature with a thermometer will help to determine the ideal turning intervals.



## TECHNICAL DATA



MODEL	TOMCAT Model 1600 WN CT	TOMCAT Model 3000 WN CT
OPERATIONAL WIDTH	4330	6020
OPERATIONAL HEIGHT	1433	1845
LENGTH	3690	4420
TRANSPORT HEIGHT	2930	4375
TRANSPORT WIDTH	1870	2357
ROTOR LENGTH	1600	3000
TEETH ON ROTOR	36	52
WEIGHT	2325	4666
PTO HORSEPOWER	60	80
WORKING SPEED	200-750 meters/hour Depending on the material	

