



**OXBO**

## ***SELF-PROPELLED SPREADERS***



**4103 & 5105**

[www.oxbo.com](http://www.oxbo.com)



## **4103 & 5105**

### ***HISTORY OF RELIABILITY***

Oxbo has been one of the leading distributors of application equipment for over two decades. As the distributor, manufacturer and supporter of our own Oxbo branded spreaders, we have the flexibility to take care of our customers and develop products based on their needs.

### ***OUR TEAM SEPARATES US***

Oxbo spreaders are backed by factory-direct parts and service. Our strategically located service centers and trained technicians are dedicated exclusively to Oxbo machines to assure you stay in the field.

### ***FLEXIBILITY IN DESIGN AND CHOICES***

Each customer has a different need and type of spreader for their operation. That's why Oxbo has the most flexibility in design and offers more choices than other manufacturers. Whether you need to precisely and efficiently spread fertilizer, biosolids, compost, manure, or other dry or semi-solid materials, Oxbo has a machine to fit your needs. From the versatile 4103, 3-wheel spreader, to the multi-function 5105, Oxbo equips each machine with a variety of applicators for liquid or dry

products and factory installed precision options from Ag Leader or Raven. We have the ability to map the "As Applied" data for liquid and dry manure applications.

### ***NEW FEATURES AND OPTIONS***

The 4103 and 5105 have added several new standard features and options to offer you more flexibility in your purchase. Oxbo has three top level choices including a Tebbe box, liquid manure injection or a drag hose system. Each system is built to the highest standards to accurately and evenly distribute your valuable nutrients. Oxbo is excited to continue to develop and integrate features to both our three and five-wheeled chassis to create products as individual as your application needs. What continues to set Oxbo apart from other manufactures, is our ability to build products based on the needs of our customers.

### ***PROVEN PERFORMANCE***

Oxbo spreaders are rapidly becoming the application product of choice. Our flexible design, dedication to our customers are why more industry leaders chose Oxbo.



*4103 liquid*



*4103 dry*

The right spreader for any size application



*5105 dry*



*5105 liquid*

## DRY NUTRIENT MANAGEMENT SYSTEM OPTION FOR 4103 & 5105



### **TEBBE HIGH CAPACITY DNMS BOX**

- Available with 19-ton capacity for 4103 and 30-ton on 5105 chassis
- Powerful rear beaters pulverize material to common size
- Heavy-duty spinners equally distribute material in full spread pattern
- Bed chain composed of hard-ox steel to increase longevity



### **OPTIMAL CONTROL**

- Chassis mounted weigh cells work in conjunction with the Oxbo DNMS system to accurately weigh and apply each load
- Better control of application rates, spread width and particle size for less waste and less environmental impact



### **MULTIPLE UNIQUE FEATURES**

- Independent, adjustable speed controlled spinners and beaters
- Largest spinners in the industry at 47" each!
- Auto-lube system for chassis and the spreader system
- Hydraulically control end gate for easy clean out



### **OTHER OPTIONAL FEATURES**

- Auto-steer choice of Raven RS1 or Ag Leader SteerCommand
- Raven Viper 4+ precision display
- Ag Leader InCommand 1200 precision display

## LIQUID NUTRIENT MANAGEMENT SYSTEM



### EXCEPTIONAL STANDARD FEATURES

- Fiberglass tank with integrated tubes, mix function, and suction arm
- 6" coupling connects hose to divider, including hose support on tank
- 6" front loading valve with quick coupler attachment
- 4,200 gallon 4103 tank and 6,600 gallon 5105 tank
- CAT III hitch and CAT IV ball ends
- 10" Galvanized pipework with 8" pipe to suction arm for max capacity

### BORGER MANURE PUMP - STANDARD

- Hydraulic powered, variable speed, load sensing pump to system
- Super load centrifugal pump system with up to 3900 gallon/min capacity for rapid filling and increased efficiency

### VOGELSANG ROTACUT 10.000 CUTTER

- 2,600 gallon/min capacity
- Horizontally mounted with a big door for clean out
- Choice of Raven Viper 4+ or Ag Leader InCommand 1200 displays
- Standard and optional features integrated into display functions
- Important touch screen functions at the end of your fingers

### AUTOLUBE SYSTEM

- Autolube system keeps chassis, tank and hitch lubricated
- Grease bank for easy access to remaining grease points

# 4103 CHASSIS

## REDEFINING MANEUVERABILITY

The Oxbo 4103 three-wheeled chassis is designed for creating the most agile turns and moves without berming. The design allows you to get tight places and makes sharp turns. The flexible 4103 is built for multi-use. The unique chassis can be used for both dry and liquid manure application as well as many other uses.



## POWERED FRONT WHEEL

- Adjustable, powered front wheel equipped with hydraulically driven planetary
- Full 70 degree turning without berming

## RUGGED DESIGN

- One-piece design is made from welded plates, not tubes!
- Provides the strongest frame in the industry
- All-wheel drive chassis easily turns with our load-centered weight distribution, unique to the Oxbo chassis

## ROBUST TRANSMISSION

- Standard ZF ECCOM 5.0 CVT continuous variable transmission
- Fewer moving parts than competitive CVT transmissions for more reliability and less maintenance

## HIGH-EFFICIENCY COOLING PACKAGE

- Single-pass cooling system
- Standard reversing fan with capability to set timer to clear cooling package as indicated by field conditions

## TIRE INFLATION SYSTEM - OPTION

- Cab controlled air system allows monitoring and adjusting tire pressure for maximum flotation to reduce compaction
- Automatically returns to road travel inflation at the flip of a switch

# 5105 CHASSIS

## REDEFINING THE STANDARD

The Oxbo 5105 sets the standard for capacity and productivity. The 5105 has the capability to spread large volumes of liquid and dry manure. The 5105 never trails the competition. The steerable rear axles provide additional agility and maneuverability while reducing the amount of stress to the frame and axles.



## CAB SUSPENSION

- 4-point cab suspension
- Hydraulic front suspension and rear airbag rear system provides the optimal ride

## FUEL EFFICIENT ENGINE

- Proven and time-tested Scania 6 cylinder 13L engine gives 550 peak horsepower
- Fuel-sipping capabilities without sacrificing power

## RUGGED REAR AXLES

- Steerable rear axles easily handle heavy load carrying without sacrificing power or maneuverability
- Kessler axles provide the optimal durability and load handling capability for both dry and liquid systems.
- Each axle has outboard planetaries for extended gear life and reduction in drive train stress

## COMFORTABLE, SPACIOUS CAB

- Cab provides exceptional panoramic view for large field of view
- Ergonomic design for less fatigue after long hours in cab
- Bluetooth ready radio stereo system

## HYDRAULIC SYSTEMS

- Load sense and closed-loop systems for reduced fuel consumption and higher efficiency
- Danfoss variable displacement piston pumps are high efficient, reliable and robust



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## SPECIFICATIONS

	4103	5105
<b>Chassis Dimension</b>		
Length	31 ft. 8 in. (9.65 m)	36 ft (11.1 m)
Width	10 ft. 5 in. (3.18 m)	
Height	12ft. 5 in. (3.18 m)	
Wheelbase	20 ft. 3 in. (6.17 m)	27 ft. 6 in. (8.4 m)
Steering and turning diameter	70 degree front wheel steering	70 degree front wheel steering and rear wheel powered steering
<b>Tires</b>		
Front and Rear Tire Size	Michelin 1050/50 R32	
Rim	3 piece rim assembly	
<b>Engine</b>		
Engine	Scania DC09, Tier 4F	Scania DC13, Tier 4F
Displacement	5 cylinder, 9.3 L	6 cylinder, 13L
Alternator	150 amp, 24 volt	150 amp. 24 volt
Horsepower	400HP rated (294.2kW)	550HP rated (405kW)
Reversible Cooling Fan	Hydraulically driven	
<b>Drive Train</b>		
Transmission	ZF ECCOM 5.0 CVT (continuously variable)	
Front axle	Hydraulically driven with adjustable power	
Rear axle	Mechanically driven Kessler, D91 axle with Planetary end reduction	Mechanically driven Kessler, LT91 axle with Planetary end reduction. 2 steerable axles, mounted on a bogie
Speed range selector	Automatic range shifting	
Front wheel drive	Hydraulic drive, power adjustable in cab	
Max transport speed	26 mph ( km/h) DNMS	33 mph ( 53km/h) DNMS
<b>Capacities</b>		
Fuel tank	170 gal (650L)	
DEF tank	15 gal (60L)	
<b>Precision Options</b>		
Ag Leader	Ag Leader InCommand 1200 and SteerCommand	
Raven	Raven Viper 4+ and RS1	
<b>Applicator Capacities</b>		
Box options	Tebbe 19 ton capacity with on-board weighing system	Tebbe 30 ton capacity with spreader with on-board weighing system
Liquid system options	4,200 gal (15.9kL)	6,600 gal (25kL)