

## **BRUTTUS 12000**

Absolute precision in  
spreading by gravity



## BRUTTUS 12000

# ABSOLUTE PRECISION

Bruttus 12000 spreader by gravity ensures great application uniformity and precision when spreading soil regulators and granulated fertilisers. Spreading by gravity minimizes the wind action and allows particles to be placed directly on the soil, thereby the use is optimized.

### Hopper

**Tilting hoppers** with side and front flanges which prevent product waste during loading, and inner agitators that avoid product build-up on the hopper walls.

**CAPACITY OF UP TO  
12,000 kg or 7.5 m<sup>3</sup>,  
PROVIDES GREAT  
OPERATION AUTONOMY**

### Wheelsets

It is equipped with two wheelset systems with rocker arms that allow for greater terrain copying during spreading operations. The wheelsets are mounted beneath the hopper, which eases access to the loading process. Also, the tyres with high-pressure fluctuation prevent the soil from becoming compacted.

**COEFFICIENT  
OF VARIATION  
BELOW**  
**8%\***

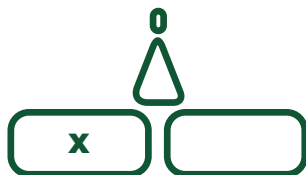
*\*It may vary according to the product and weather condition*

**APPLICATION RANGE**  
**6.7 metres**  
**SPEEDS RANGE FROM 5 to 15 km/h**



### Section shutdown

It reduces the overlap over boundary applications, consequently reducing product waste.



### Easy to transport



Since the chassis is articulated, it reduces the spreader width to **3.18 metres** for transport, as a result, it is easier to transport the implement on narrow roadways, gates, and cross bridges.

### Grille pieces

Protective grille system with hydraulic activation in two options: tilting and vibrating. Both options prevent rocks or dirt from entering the hopper. The vibrating grille eases the clod breaking and draining of substances for soil regulation with higher moisture tolerance when loading the spreader.

APPLICATION  
HEIGHT  
**1.25**  
metres



### Application system

It features a rubber conveyor belt that provides higher precision in spreading operations. Additionally, the inner scraper keeps the roller and conveyor belt clean, regardless of the adjustment, which results in a longer system lifespan.

### Transmission system

It comprises only one sprocket wheel assembly for all desired application rates.

**PWM**  
**SYSTEM**  
TO SET THE  
APPLICATION RATE

### Variable rate



By means of **Topper**, Bruttus 12000 performs applications with fixed or variable rates. **The greatest advantage of variable rate is application precision, which is indicated by the metering prescription maps. Only the required amount of substances for soil regulation and fertiliser is applied for each area, resulting in product savings and increasing productivity.**

## TECHNOLOGY



### TOPPER 5500 SL\*

The complete controller for Precision Agriculture, designed and manufactured by Stara. Its touch screen provides efficiency and more interactivity between the machine and operator.

*\* Topper 5500 VT - optional feature*



### TELEMETRIA STARA\*

**The farm in the palm of your hand.**

Through this system, you can manage your operations in the crop field in real-time. Any device that has Internet access will provide you with.

*\* Optional feature*



### CONECTA

It is a remote access service that connects you, in real-time, to the After-Sales technician in the Stara factory. The connection is established through Topper, which ensures fast and assertive support. **If you need, just connect it! The agile and no cost after-sales available straight to your machine cab.**

## TECHNICAL SPECIFICATIONS

### Bruttus 12000

#### Tyre

500/45 - 22.5 HF 75

#### Transmission system

Hydraulic

#### Minimum power required

150 cv

#### Load capacity

12,000 kg or 7.5 m<sup>3</sup>

#### Implement width

7.37 m\*

#### Application range

6.70 m

#### Height

2.85 m\*

#### Transport width

3.18 m

#### Operation length

5.55 m

#### Application height

1.25 m

#### Empty hopper weight

6,500 kg

#### Optional features

Topper 5500 VT

Vibrating grille pieces

*\* This measurement considers the implement sections unfolded or in operation position*

## LEARN MORE

Position your mobile phone on QR code to read it and check it out!

### Video

See for yourself, Bruttus 12000 operation quality in the crop field.



### Website

Access Bruttus 12000 homepage on Stara website for more information.



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[www.stara.com.br/en](http://www.stara.com.br/en)

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## **BRUTTUS 18000**

Excellent spreading  
by gravity



## BRUTTUS 18000

# PRECISION AND VERSATILITY

Bruttus 18000 is a spreader by gravity that gathers efficiency, agility, and operating yield on a single implement. In addition, Bruttus 18000 is a versatile spreader and can adapt to all soil types and crops, but with a great remarkable feature, it features ideal tyre spacing for sugar cane crops.

### Hopper

**Tilting hopper** with side and front flanges that prevent the product waste during the loading process. It is equipped with mixers that avoid product build-up in the hopper inner walls.

**CAPACITY OF UP TO  
11.25 m<sup>3</sup> or 18,000 kg,  
DELIVERING GREAT  
OPERATION AUTONOMY**

### Wheelsets

It is equipped with two wheelset systems with rocker arm that allow for greater terrain coping during spreading operations. The wheelsets are especially engineered to meet sugar cane crop soils, enabling the implement to pass between the planting row units. These wheelsets are mounted beneath the hopper, which eases to the loading process. The tyres with high-pressure flotation prevent the soil from becoming compacted.

**COEFFICIENT  
OF VARIATION  
BELOW**

**8%\***

\* It may vary according to the product and weather conditions

**APPLICATION RANGE**

**9 metres**

**SPEEDS RANGE  
FROM 5 to 15 km/h**



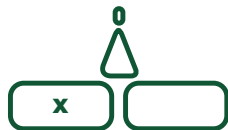
**SPACING BETWEEN  
TYRES - 1.50 m**

**PERFECT FOR SUGAR  
CANE CROPS**



## Section shutdown

It reduces the overlap over boundary applications, consequently reducing product waste.



## Grille pieces

Protective grille pieces with a hydraulic activation in two options: tilting and vibrating. Both options prevent rocks or dirt from entering the hopper. The vibrating grille eases the clod breaking and draining of the substances for soil regulation with higher moisture tolerance when loading the product.



## Easy to be transported

It features a hinged chassis for transport that makes the spreader width to become **3.18 metres**, making easier for the implement to travel on narrow roadways, gates, and bridges.

The Bruttus spreaders by gravity line is the only **self-transportable** in the market



## Application system

It features a rubber conveyor belt that provides higher precision in spreading operations. Additionally, the inner scraper keeps the roller and conveyor belt clean, regardless of the adjustment, which results in a longer system lifespan.

## Transmission system

It comprises only one sprocket wheel assembly for all desired application rates.

**CONTINUOUS  
PWM  
TO SET THE  
APPLICATION RATE**

**APPLICATION  
HEIGHT**

**1.45  
metres**

## Variable Rate



By means of **Topper 5500**, Bruttus 18000 performs applications with fixed or variable rates. **The greatest advantage of variable rate is application precision indicated by the metering prescription maps, as it allows to apply only the necessary to each area, providing savings in substances for soil regulation and fertiliser, and boosting yield.**

## TECHNOLOGY EQUIPMENT



### TOPPER 5500 SL\*

The complete controller for Precision Agriculture, designed and manufactured by Stara. Its touch screen provides efficiency and more interactivity between the machine and the operator.

*\* Topper 5500 VT - optional feature.*



### TELEMETRIA STARA

**The farm in the palm of your hand.**

Thanks to this system, you can manage your operations in the crop field in real time. Any device that has Internet access will provide you with.



### CONECTA

It is a remote access service that connects the operator, in real-time, to the After-Sales technician in the Stara factory. The connection is established through Topper 5500 SL which ensures fast and assertive support.

**Whenever you need it, just connect it! An agile and at no cost after-sales available straight to your machine cab.**

## TECHNICAL SPECIFICATIONS

### Bruttus 18000

#### Tyre

600-40-22.5 TL 178

#### Transmission system

Hydraulic system

#### Minimum power required

200 cv

#### Load capacity

11.25 m<sup>3</sup> or 18,000 kg

#### Spreader width

9.70 m

#### Application range

9 m

#### Height

3 m\*

#### Transport width

3.18 m

#### Length with hitch

5.30 m

#### Transport length

7.30 m

#### Application height

1.45 m

#### Unloaded hopper weight

8600 kg

#### Optional features

Vibrating grille pieces

Topper 5500 VT

*\*This measurement considers the implement sections unfolded or in operation position*

## LEARN MORE

Position your mobile phone on the QR code to read it and check it out!

### Website

Access Bruttus 18000 homepage on Stara website for more information.



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## **BRUTTUS 25000**

Excellent in spreading by gravity



**BRUTTUS 25000**

## EXCELLENT UNIFORMITY AND APPLICATION PRECISION

Bruttus 25000 spreader by gravity ensures **excellent application uniformity and precision to spread substances for soil regulation and granulated fertilisers**. Spreading by gravity minimizes the wind action and allows particles to be placed directly on the soil, and its use is optimized.

## COEFFICIENT OF VARIATION BELOW

**8%\***

\* It may vary according to the product and weather conditions

**CAPACITY OF UP TO  
25,000 kg or 15.6 m<sup>3</sup>,  
PROVIDES GREAT  
OPERATION  
AUTONOMY.**

APPLICATION  
HEIGHT  
**1.37  
metres**

### Hopper

**Tilting hopper** with side and front flanges that prevent the product waste during the loading process. It is equipped with mixers that avoid product build-up in the hopper inner walls.

### Wheelsets

It is equipped with four wheelset systems with rocker arms that allow for better implement stability during spreading operations. These wheelsets are mounted beneath the hopper, which eases access to the loading process. The tyres with high-pressure flotation reduce the soil compaction.

## THE GREATEST CAPACITY FOR TERRAIN COPY

### Articulation System

The articulation is **24°**, 12° upwards and 12° downwards to ensure better terrain copy and keep an **application height of 1.37 metres** during operations.



### Easy to be transported

As the chassis is articulated for transport, the spreader becomes **3.18-metre** width and eases the transport on narrow roadways and bridges.



### Application system

It is equipped with a rubber conveyor belt that provides higher precision in spreading operations. It also features an internal scraper that keeps the roller and belt clean, regardless of setting, extending the system's service life.

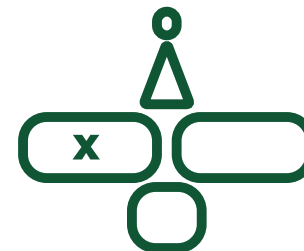
### APPLICATION RANGE

# 11.1 metres

SPEEDS RANGE FROM **5 to 15 km/h**

### Section shutdown

Less overlap over boundary applications, consequently reducing product waste.



### Spinner disks

Protective grille pieces with a hydraulic activation in two options: tilting and vibrating. Both options prevent rocks or dirt from entering the hopper. The vibrating grille eases the clod breaking and draining of the substances for soil regulation with higher moisture tolerance when loading the product.



### Variable Rate

By means of Topper 5500, Bruttus 25000 performs applications with fixed or variable rates. **The main benefit of variable rate technology is the precision it offers for applications guided by prescription dosage maps.**

## PWM SYSTEM FOR APPLICATION RATE ADJUSTMENT

## TECHNOLOGY EQUIPMENT



### TOPPER 5500 VT

The complete controller for Precision Agriculture, designed and manufactured by Stara. Its touch screen provides efficiency and more interactivity between the machine and the operator.



### TELEMETRIA STARA

Your farm in the palm of your hand. Telemetria Stara enables real-time management of field operations via an internet-connected device.



### CONECTA

It is a remote access service that connects the operator in real time to an After-Sales technician at Stara factory through the Topper system, ensuring fast and accurate support. **Whenever you need it, just connect it! An agile and at no cost after-sales available straight to your machine cab.**

## TECHNICAL SPECIFICATIONS

### Bruttus 25000

#### Tyre

500/45 - 22.5

#### Transmission system

Hydraulic

#### Minimum power required

250 hp

#### Load capacity

25000 kg or 15.60 m<sup>3</sup>

#### Spreader width

11.70 m\*

#### Application range

11.10 m

#### Height

3 m

#### Transport width

3.18 m

#### Operation length

9.20 m

#### Application height

1.37 m

#### Unloaded hopper weight

12,500 kg

#### Optional features

Vibrating grille pieces

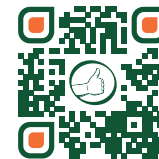
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### Video

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### Website

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