



For Earth, For Life  
Kubota

**SP**

**KUBOTA PENDULUM SPREADERS  
VS220/VS400/VS400VITI  
VS600**

Pendulum spreaders with a working width ranging from 3' to 49'



# THE UNIQUE KUBOTA PEN



# PENDULUM SPREADER RANGE



## ***EXCELLENT OVERLAP***

The Kubota pendulum spreader is the first choice wherever the demand is for maximum accuracy in fertilizer application. Spreading quality and ease of operation of this unique machine are unequalled. The pendulum movement of the spout ensures that the application rate is identical on both sides, resulting in an excellent overlap.

## ***MANUAL, HYDRAULIC OR ELECTRONIC CONTROL***

The Kubota VS spreaders are available with manual control, hydraulic remote control from the tractor cabin or electronic control from the tractor cab with the Varimeter PS-ED II.

# SYMMETRIC SPREAD PATTERN



## KUBOTA VS400

### Minimum wind influence on the spreading pattern

The side to side motion of the spreader spout ensures fertilizer is spread left and right, not to the front. This prevents the tractor from getting covered with fertilizer when wind is a factor.



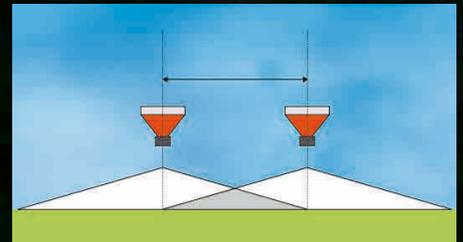
### Easy setting of the application rate

The plastic scale allows continuous adjustment of the application rate in lbs/acre, so the risk of spreading errors is minimal. The spreading chart and dial help to determine the desired quantity of fertilizer for every working width and forward speed.



Easy setting of the application rate

# DESIGN FOR OPTIMAL OVERLAP

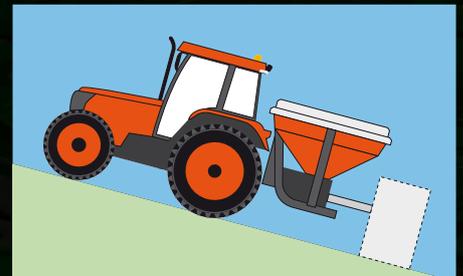


The cone shaped spreading pattern reaches from tractor wheel track to tractor wheel track giving total overlap of the spreading surface

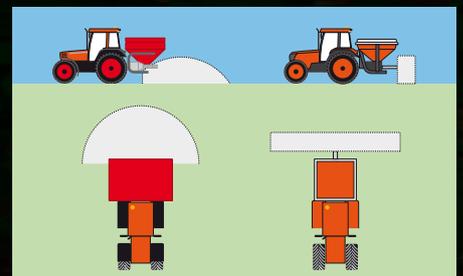
## Built for durability

The VS spreaders from Kubota:

- Metering disc is made from stainless steel
- Optimized frame with no corners where fertilizer can accumulate
- Glass fiber re-enforced polyester or polyethylene hopper which can withstand aggressive types of fertilizer
- The unique Duracoat powder painting system for exceptional corrosion resistance of spreading unit and frame
- Bearings of the spreading unit have easily accessible grease zerks



Accurate spreading also on slopes



Disc spreader

Pendulum spreader

## Low filling height

Refilling fertilizer is easy. The hopper can be easily moved under a tipping trailer or silo or filled by hand.



Easy filling

## Simple calibration

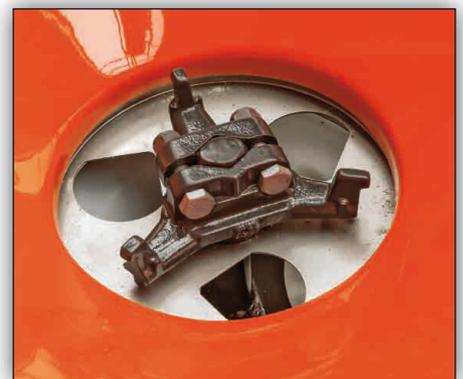
A specially designed calibration container eliminates the need to remove the spout for calibration.



Easy calibration

## Gentle handling of fertilizer

The agitator ensures an even material feed to the spreading unit, so there's no risk of the fertilizer being crushed.



Agitator ensures even feed of the fertilizer

# IDEAL FOR USE 0



## **VS220-330**

The VS220/330 is the smallest model in the Kubota pendulum spreaders range. This spreader is ideal for use on golf courses and sport fields, as well as many horticulture and municipal applications.

A variety of spouts for different applications and working widths makes it possible to spread fertilizer, seeds, sand, salt, pellets or any other granular product up to 46' (14m). The VS220 has a hardwearing polyethylene hopper with a basic

capacity of 7.8 ft<sup>3</sup> and an optional extension rim to create 11.7 ft<sup>3</sup>. The compact design in combination with the short spreading surface provides an optimal spreader for working in small areas.

# N GOLF COURSES



***KUBOTA VS220-330***



# A TRULY MULTI-FUN



***KUBOTA VS400-500 AND VS400-500VITI***

# FUNCTIONAL SPREADER

## VS400-500

With hopper capacities of 14.1 ft<sup>3</sup> and 17.7 ft<sup>3</sup> (400 and 500 litres) this spreader is the ideal solution for small farms and special applications. These spreaders are capable of spreading up to 46' when a 750/100 rpm tractor PTO is used.

## VS400-500VITI

This special spreader version with only a 45 inch hopper width has been designed for spreading in orchards or vineyards. Available with 14.1 ft<sup>3</sup> or 17.7 ft<sup>3</sup> (400 or 500 litre) hopper capacity. An optional spreading spout for band spreading is available.



The VITI models have the hopper rotated to narrow the width, making it ideal for orchards and vineyards.



# WORKING WIDTH

## *KUBOTA VS600-800-1000*



**The Kubota pendulum spreader is the first choice wherever the demand is for maximum spreading quality and ease of operation.**

The standard working width of the VS spreader range is 3' up to 46' (1 to 14m). When you increase the PTO speed of the tractor from 540 rpm to 620 rpm the working width can be increased to 49' (15m).

VS spreaders feature exact rate control, quick change spouts, low filling heights and easy maintenance.

These versatile spreaders are ideal for vineyards, golf courses and general farm applications.



# S UP TO 49 FEET



VS500



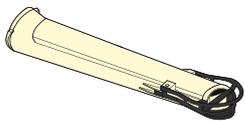
VS800



VS220

## A WIDE VARIETY OF APPLICATIONS - A CHOICE OF SPREADING SPOUTS

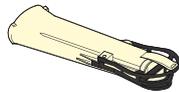
### STANDARD SPREADING SPOUT



application:  
normal working widths  
working width: 29'-46' (9-14m)



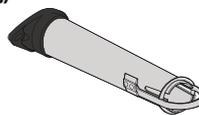
### SHORT SPREADING SPOUT



application:  
small working widths  
working width: 13'-26' (4-8m)



### SALT/GRIT SPREADING SPOUT (long)



application:  
normal and road building/  
salt applications  
working width: 19'-39' (6-12m)



### SALT/GRIT SPREADING SPOUT (medium)



application:  
road building/salt application  
on icy roads and pathways  
working width: 16'-19' (5-6m)



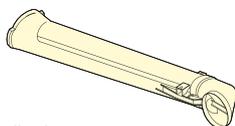
### SALT/GRIT SPREADING SPOUT (short)



application:  
road building/salt application  
on icy roads and pathways  
working width: 6.5'-13' (2-4m)



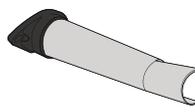
### BOUNDARY SPOUT



application:  
prevents fertilizer from spreading  
into ditches or hedges  
working width: 6.5'-19' (2-6m)



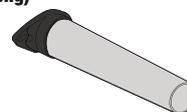
### RIGHT SIDE SPREADING SPOUT



application:  
fish-farms, spreading on dikes  
working width: 13'-19' (4-6m)



### BAND SPREADING SPOUT (long)



application:  
orchards, vineyard  
working width: 6.5'-26' (2-8m)



### BAND SPREADING SPOUT (short)



application:  
pesticides  
working width: 3'-4' (0.75-4.5m)



# OPTIONAL

## Lighting set

For all VS spreaders an optional lighting set is available. Reflector decals are available for safe transport.



Lighting set and reflector decals

## Fine application kit

Shuts two of the three openings of the metering device for the application of small quantities of fine seeds.



Fine application kit

## Pivoting wheels

This set of pivoting wheels allows the spreader to be easily moved when detached from the tractor.



Pivoting wheels

## Agitator

The agitator ensures an even material feed to the spreading unit. A safety grid protects the agitator.

## Grid

A grid fitted inside the hopper prevents lumps of fertilizer penetrating the feed mechanism.

## Calibration container

Allows calibration tests to be performed with spout in place.

## Hopper extensions

To increase hopper capacity, 3.5 ft<sup>3</sup>, 3.9 ft<sup>3</sup>, 14.1 ft<sup>3</sup>, 21.2 ft<sup>3</sup> and 31.7 ft<sup>3</sup> hopper extensions are available (varies by model).

## Tramline cylinder

Using the tramline cylinder the spreader is inclined, allowing spreading up to the border of the field.

## Hydraulic remote control

Allows the metering disc to be opened and closed from the driver's seat (one single acting control valve required).



Hydraulic remote control



Set of pivoting wheels



Calibration container



Agitator with safety grid and stainless steel insert

# EQUIPMENT

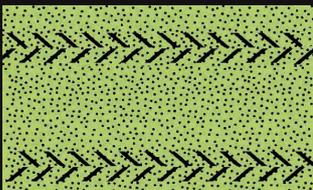


## Border spreading plate

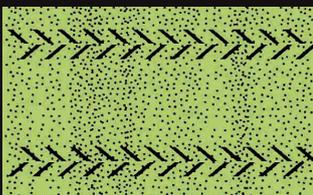
This plate prevents the fertilizer from being spread beyond the field boundary and can be folded from working into transport position from the driver's seat.

## Varimeter PS-ED II on-board computer

The Varimeter on-board computer allows the metering disc to be adjusted from the tractor cab. Forward speed is continuously checked by a wheel sensor or by radar and transmitted to the Varimeter system which in turn ensures a constant application rate whatever the forward speed. The consequence is an absolutely uniform spreading pattern in the direction of travel. The quantity of fertilizer can be increased or decreased at any time during work.



Spreading pattern with PS-ED II



Spreading pattern without PS-ED II



Varimeter PS-ED II

## Hopper cover

Protects the fertilizer from moisture and dirt. Hopper cover can be easily folded for filling.



Hopper cover

# SPREADER COMPETENCE CENTER



## *ACCURATE SPREADER SETTINGS BASED ON EXPERTISE*

Kubota spreaders are reliable, easy to operate and have outstanding accuracy. This is the result of many years of practical experience, research and testing.

A fertilizer spreader can only be set accurately for rate and overlap using the settings provided by the manufacturer.

The Spreader Competence Centre is now using the most modern technology available, allowing the measurement of complete overlap patterns in 3D. Instead of only measuring the spreading pattern in one line corresponding to the working width, this new technology creates a full pattern showing a complete 3D spreading profile of the fertilizer.

The 3D spread pattern is achieved using a spreader which is mounted on the test rig which rotates the machine through 280°. Continuous measurement at a frequency of 5 HZ over the 80 collecting trays, which are all individually equipped with weigh cells, provide the ultimate in testing accuracy. A single test run provides more than 30 000 measurements! The result is a very precise spread pattern analysis with a high degree of predictability for setting changes to suit different widths and application rates. This allows faster testing of the various types of fertilizer, results in using less fertilizer; and improves quality for better protection of our environment. The 197 foot long test hall has underfloor heating; maintains the humidity at 60% (allowing testing throughout the year); and can accommodate testing of working widths of more than 170'.



# TECHNICAL SPECIFICATIONS

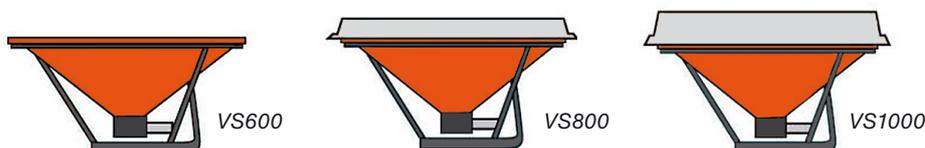
Model	VS220*	VS330*	VS400 VITI*	VS500 VITI*	VS400*	VS500*
<b>Basic unit</b>		<b>220</b>		<b>400VITI</b>		<b>400</b>
Hopper capacity (lbs)	485	730	880	1100	880	1100
Hopper capacity (ft <sup>3</sup> )	7.8	11.7	14.1	17.7	14.1	17.7
Hopper width (inches)	42	42	45	45	57	57
Filling height (inches)	30	39	35	40	35	40
Weight (lbs)	183	187	267	278	267	278
Required pto HP (hp)	10	15	20	25	20	25
Hitch Category	CAT 1	CAT 1	CAT 1 & 2	CAT 1 & 2	CAT 1 & 2	CAT 1 & 2

\* Both powders and granules



Model	VS600*	VS800*	VS1000*
<b>Basic unit</b>		<b>600</b>	<b>600</b>
Hopper capacity (lbs)	1300	1750	2200
Hopper capacity (ft <sup>3</sup> )	21.2	28.3	35.3
Hopper width (inches)	69	69	69
Filling height (inches)	38	42	46
Weight (lbs)	287	342	364
Required pto HP (hp)	35	40	45
Hitch Category	CAT 2	CAT 2	CAT 2

\* Both powders and granules



The company reserves the right to change the above specifications without notice. This brochure is for descriptive purpose only. Some of the items pictured in this brochure are optional and not standard equipment. Please consult your local Kubota dealer for warranty, safety or product information. For your safety, Kubota strongly recommend the use of a seat belt in all applications.

*The company reserves the right to change the above specifications without notice. This brochure is for descriptive purpose only. Some of the items pictured in this brochure are optional and not standard equipment. Please consult your local Kubota dealer for warranty, safety or product information. For your safety, Kubota strongly recommends the use of a Rollover Protective Structure (ROPS) and seat belt in almost all applications.*

©2013 Kubota Tractor Corporation



**KUBOTA TRACTOR CORPORATION**

Kubota Tractor Corporation, 3401 Del Amo Boulevard, Torrance CA 90503

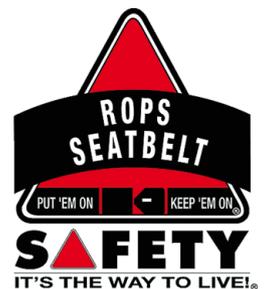
Western Division: 1175 S. Guild Ave., Lodi, CA 95240 Tel (209) 334-9910

Central Division: 14855 FAA Boulevard, Fort Worth, TX 76155 Tel (817) 571-0900

Northern Division: 6300 at One Kubota Way, Groveport, OH 43125 Tel (614) 835-1100

Southeast Division: 1025 Northbrook Parkway, Suwanee, GA 30024 Tel (770) 995-8855

Visit our web site at: [www.kubota.com](http://www.kubota.com)



Cat. K1110-01, 12.2013