

PS225, PS403, PS403VITI, PS04 Series



# SuperFlow Pendulum Spreaders





# Symmetric Spread Pattern for Optimal Overlap



More than one million machines sold prove that the Vicon pendulum **seeder/spreader is the first choice** wherever the demand is for maximum accuracy in fertiliser application. Spreading quality and ease of operation of this unique machine are unequalled - now as in the past. The pendulum movement of the spout ensures that the application rate is always identical on both sides. This results in an excellent overlap.

## **Minimum wind influence on the spreading pattern**

The to-and-for movement of the spout causes the fertiliser to be thrown to the left and the right hand side only, never to the front and a short distance only to the rear. Wind influence is therefore insignificant and the tractor does not get covered with fertiliser.

## **Easy setting of the application rate**

The plastic scale allows continuous adjustment of the application rate in kg per hectare, so the risk of spreading errors is minimal. Using the spreading chart and the dial you can determine the desired quantity of fertiliser for every spreading width and forward speed.



Easy setting of the application rate



Border spreading  
with the border spreading plate

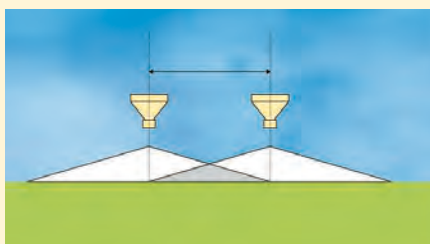
#### Border spreading made easy!

Spreading along field edges and tramline border spreading is no problem at all - thanks to the border spreading plate and the tramline cylinder. When working along the field boundary you can limit the spreading width using the border spreading plate and when on the tramline you just tilt the spreader 7° if you have to operate near fences or ditches.

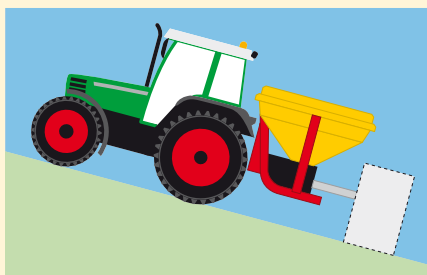
#### Built for a long service life

SuperFlow seeder/spreaders from Vicon fulfill all requirements for a long service life:

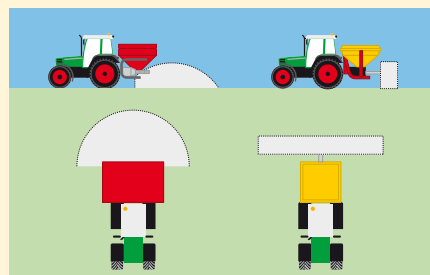
- the optimized frame with no corners where fertiliser can accumulate
- the glass fiber re-inforced polyester or poly ethylene hopper, which is unaffected by aggressive types of fertiliser
- the metering disc is made from stainless steel
- the unique Duracoat powder painting system for exceptional corrosion resistance of spreading unit and frame
- the bearings of the spreading unit have easily accessible grease nipples for maximum ease of maintenance.



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



Accurate spreading also on slopes



Disc spreader

Pendulum spreader

#### Low filling height

Refilling fertiliser is no problem at all - the hopper can be easily moved under a tipping trailer or silo or filled by hand.



Low filling height

#### Simple calibration

A specially designed calibration container makes it no longer necessary to remove the spout for calibration.



Easy calibration

#### Gentle handling of fertiliser

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



Agitator ensures even feed of the fertiliser



# SuperFlow PS225-335

## A Truly Multi-Functional Seeder/Spreader



### PS225-335

The PS225-335 is a truly multi-functional seeder/spreader. This smallest model of the unique Vicom Pendulum Spreader range is ideal for use on golf courses, sports fields and grounds, as well as in many horticulture and municipal applications.

A variety of spouts for different applications and spreading widths makes it possible to spread fertiliser, seeds, sand, salt, pellets or any other granular product up to 14m. The PS225 has a hardwearing Poly-Ethylene (PE) hopper with a basic capacity of 220 litre and an optional extension rim to create 330 litre content. The compact design in combination with the short spreading surface gives you an optimal spreader for working in small areas.





# SuperFlow PS403-503 and PS403-503VITI

## Ideal for Use on Golf Courses and Orchards



### PS403-503

With hopper capacities of 400 and 500 litres this spreader is the ideal solution for small farms and special applications. These spreaders are suitable for spreading at 14m (46') if a tractor with 750 or 1000 rpm PTO is available.



### PS403-503VITI

This special spreader version with only 115 cm hopper width has been designed for spreading in orchards (400 or 500 litre hopper capacity).



# SuperFlow PS604-754-804-954-1154-1354-1654

## Spreading Widths Up to 15m



PS954

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

The standard working width of the PS04 range is 1 to 14m. When you increase the PTO speed of the tractor from 540 rpm to 620 rpm the spreading width can be increased to even 15m.

The features of the PS04 spreader are exact rate control, quick change spouts, low filling heights and easy maintenance.

This versatile spreaders are popular for vineyards, golf courses and general farm applications.

# A Choice of Spreading Spouts

## A Wide Variety of Applications

<p>STANDARD SPREADING SPOUT</p>  <p>application: normal spreading widths spreading width: 9-14m (29'-46')</p> 	<p>SHORT SPREADING SPOUT</p>  <p>application: small spreading widths spreading width: 4-8m (13'-26')</p> 	<p>SALT/GRIT SPREADING SPOUT (long)</p>  <p>application: normal and road building/ salt applications spreading width: 6-12m (19'-39')</p> 	<p>SALT/GRIT SPREADING SPOUT (medium)</p>  <p>application: road building/salt application on icy roads and pathways spreading width: 5-6m (16'-19')</p> 	<p>SALT/GRIT SPREADING SPOUT (short)</p>  <p>application: road building/salt application on icy roads and pathways spreading width: 2-4m (6.5'-13')</p> 
<p>BOUNDARY SPOUT</p>  <p>application: prevents fertiliser from spreading into ditches or hedges spreading width: 2-6m (6.5'-19')</p> 	<p>RIGHT SIDE SPREADING SPOUT</p>  <p>application: <b>fish-farms, spreading on dikes</b> spreading width: 4-6m (13'-19')</p> 	<p>BAND SPREADING SPOUT (long)</p>  <p>application: orchards, vineyard spreading width: 2-8m (6.5'-26')</p> 	<p>BAND SPREADING SPOUT (short)</p>  <p>application: pesticides spreading width: 0.75-4.5m (3'-14')</p> 	





# Optional Equipment

## Lighting set

For all PS spreaders is an optional lighting set available. Also reflector decals can be ordered for safe transport on the roads.

## Hydraulic remote control

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

## 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 fertiliser penetrating the feed mechanism.

## Fine seed insert

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

## Calibration container

Allows calibration tests to be performed with spout in place.

## Hopper extensions

To increase hopper capacity, 100, 110, 200, 400, 600 and 900 ltr. available depending per model.

## Pivoting wheels

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



Lighting set and reflector decals



Set of pivoting wheels



Calibration container



Agitator with safety grid





#### Border spreading plate

This plate prevents the fertiliser being spread beyond the field boundary.

Can be folded from working into transport position from the driver's seat.



#### Tramline cylinder

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



#### Hopper cover

Protects the fertiliser from moisture and dirt. For filling the hopper the cover can be easily folded.

## 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 fertiliser can be increased or decreased at any time during work.

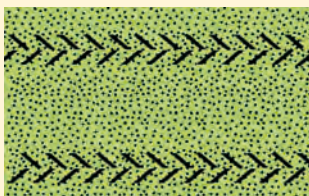
#### Easy control

Operators will find the Varimeter exceptionally easy to operate. All you have to watch over is a control panel with its clearly understandable display.

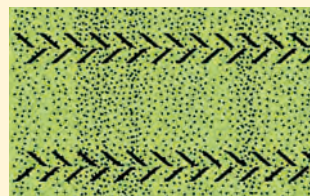


Varimeter PS-ED II

Spreading pattern with PS-ED II



Spreading pattern without PS-ED II





# Spreader Competence Centre

## Accurate Spreader Settings Based on Expertise



The SuperFlow spreaders are known worldwide for their reliability, ease of operation and outstanding accuracy in all conditions. This is the result of many years of practical experience, research and testing. A fertiliser 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 in hard and software, 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 fertiliser.

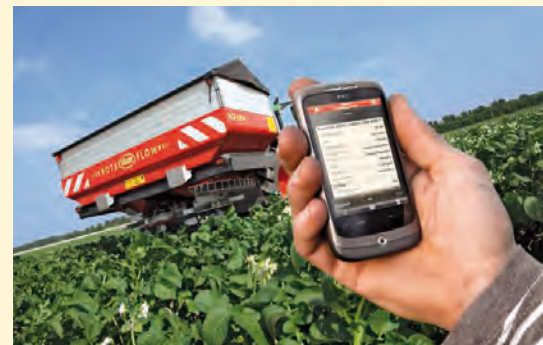
The 3D spread pattern is achieved using a spreader which is mounted on the test rig which rotates the machine through 280°. Continuous measurement at a frequency of 5 HZ over the 80 collecting trays, which are all individually equipped with weigh cells, provide the ultimate in testing accuracy. A single 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 fertiliser but at the same time results in using less fertiliser and improved quality for better protection of our environment. The 60m long test hall, with under-floor heating, maintains the humidity at 60 % which allows testing throughout the year; and can accommodate testing of spreading working widths above 54 metres.

## Vicon spreading charts

Exact advice for each Vicon spreader at any working width, application rate, driving speed.



Direct access to most recent test results at [www.viconspreadingcharts.com](http://www.viconspreadingcharts.com)



Access by mobile phone and PDA via <http://viconmob.mobi> or download the spreading charts Application from the App store or Google Play Store.





# Technical Specifications

Model	225 <sup>*</sup>	335 <sup>*</sup>	403 <sup>*</sup> VITI	503 <sup>*</sup> VITI	403 <sup>*</sup>	503 <sup>*</sup>	604 <sup>*</sup>	754 <sup>**</sup>	804 <sup>*</sup>	954 <sup>**</sup>	1004 <sup>*</sup>	1154 <sup>**</sup>	1354 <sup>**</sup>	1654 <sup>**</sup>
Basic unit		225		403 VITI		403			604	754	604	754	754	754
Hopper capacity (ltr)	220	330	400	500	400	500	600	750	800	950	1000	1150	1350	1650
Hopper width (cm)	106	106	115	115	145	145	175	175	175	175	175	175	175	175
Filling height, 3-pt types (cm)	77	99	89	101	89	101	96	96	106	106	116	116	125	141
Weight 3-pt types (kg)	83	85	121	126	121	126	130	151	155	158	165	171	178	184
Pto speed (rpm)	540	540	540	540	540	540	540	540	540	540	540	540	540	540
3-point linkage category	1	1	1/2	1/2	1/2	1/2	2	2	2	2	2	2	2	2

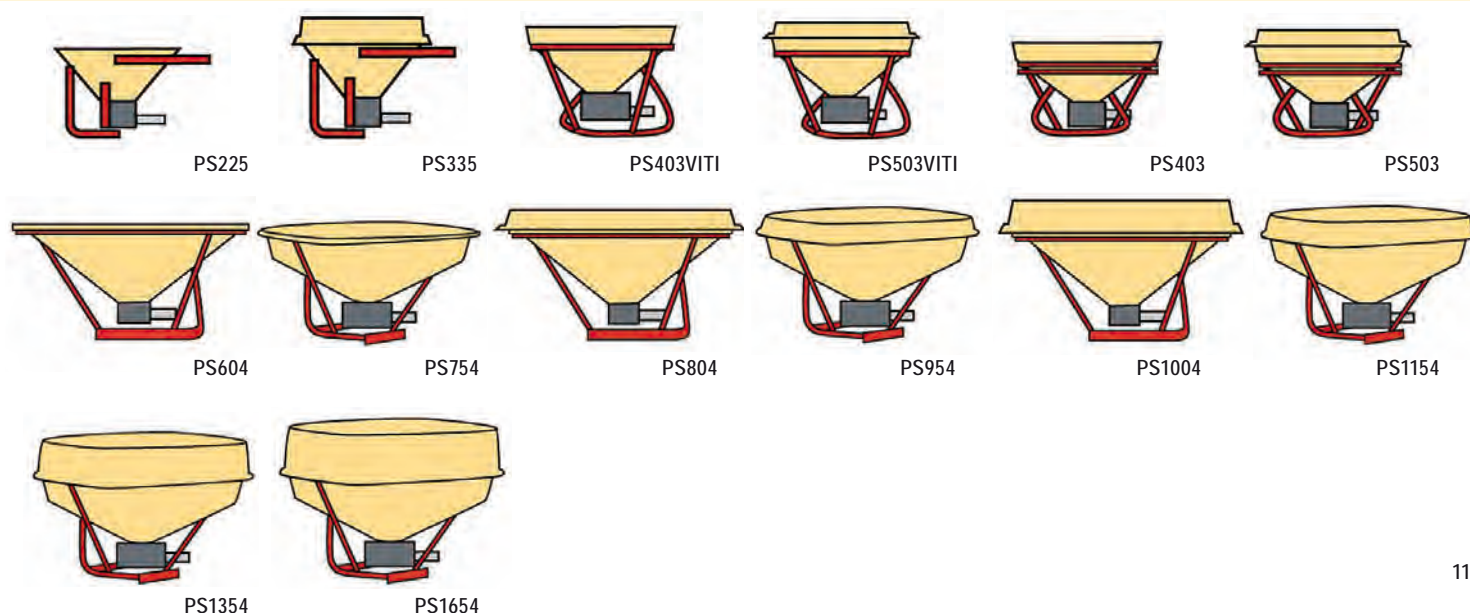
## Specifications North America

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Basic unit		225		403 VITI		403			604	754	604	754	754	754
Hopper (lbs)	500	700	950	1200	950	1200	1400	1650	1900	2100	2400	2550	3000	4150
Cubic (ft)	5.9	8.9	14.1	17.6	14.1	17.6	21.2	26.5	28.2	33.5	35.3	40.6	47.7	58.3
Bushels	4.7	7.1	11.2	14.0	11.2	14.0	16.9	21.2	22.5	26.8	28.2	32.4	38.1	46.2
Filling height	32"	39"	35"	40"	35"	40"	38"	38"	42"	42"	45"	45"	49"	55"
Machine (lbs)	163	187	267	278	267	278	320	335	344	351	380	385	395	408
3-point linkage category	1	1	1/2	1/2	1/2	1/2	2	2	2	2	2	2	2	2

\* Both powders and granules \*\* Granules only

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## Kverneland Group

Kverneland Group is a leading international company developing, producing and distributing agricultural machinery and services.

Strong focus on innovation allows us to provide a unique and broad product range with high quality. Kverneland Group offers an extensive package aimed at the professional farming community, covering the areas of soil preparation, seeding, forage and bale equipment, spreading, spraying and electronic solutions for agricultural tractors and machinery.

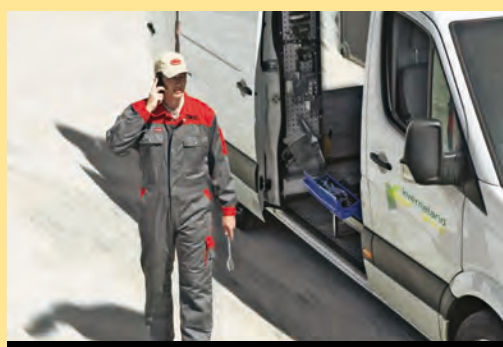


## Original Spare Parts

Kverneland Group spare parts are designed to give reliable, safe and optimal machinery performance - whilst ensuring a low cost life-cycle.

High quality standards are achieved by using innovative production methods and patented processes in all our production sites.

Kverneland Group has a very professional network of partners to support you with service, technical knowledge and genuine parts. To assist our partners, we provide high quality spare parts and an efficient spare parts distribution worldwide.



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Kverneland Group UK Ltd.  
Hebron Industrial Estate  
Kilkenny  
Phone : 056 5197  
Fax : 056 62207

Kverneland Group Ireland Ltd  
Walkers Lane, Lea Green, St. Helens  
Merseyside, WA9 4AF  
Phone + 44 1744 8532 00

<http://www.vicon.eu>

