

# **GASPARDO**



# PRIMO FERTILISER SPREADER

GASPARDO presents PRIMO, the fertiliser spreader: easy adjustments and reduced maintenance make it practical and always ready for use.

Fertilisation of crops is a fundamental step to ensure healthy growth and optimal yield. The nutrient content must be metered correctly to avoid product waste or crop damage. GASPARDO fertiliser spreaders offer reliability and ease of use in all conditions.



## **BENEFITS**

- *Excellent spread adjustment*
- *Possibility to exclude sides*
- *No waste*
- *Possibility of spreading along ditches/edges*
- *Improved crop growth*



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# Great capacity

PRIMO is the flagship model of the GASPARDO fertilisation range. Available in transport widths of 253 and 285 cm and load heights from 109 to 154 cm. It adapts to all operational needs, with a volume ranging from 1,270 to 3,210 l. For all models the maximum payload is 3,200 kg.

Waterproof hopper cover with inspection window

## Delivery point adjustment

Adjusting the fertiliser's delivery point on the spreading disc allows modifying the spread radius and consequently the working width.



Mudflap kit (optional on M version)

## Deflector for edge spreading

Optional kit to fertilise close to headlands or streams without loss of product or contamination, limiting the width of the radius.



Solid three-point attachment designed to withstand heavy vertical loads even in extreme conditions.

PTO shaft with safety latch.



PRIMO M/EW	Dimensions on the road (cm)	Hopper capacity (l)	Load height (cm)	Working width (m)	Load capacity (kg)	Net weight PRIMO M (kg)	Net weight PRIMO EW (kg)
213	253	1270	109	12-36	3200	439	519
218		1805	124			471	551
224		2340	139			503	583
229		2875	154			535	615
314	285	1350	109			448	528
320		1970	124			482	562
326		2590	139			516	596
332		3210	154			570	650

# Total control



## **Spreading disc and vanes**

There are 2 disks available depending on the required working width.  
(12-21 and 21-36 m)



## **PRIMO EW shutter management**

In the EW model, the quantity of product spread can be regulated directly from the cab.



## **PRIMO M shutter management**

In the M model, the quantity of product spread is adjusted manually.



## **No more meter effect**

Different fertilizers behave differently on the spreading vanes as the amounts vary. This phenomenon, called the meter effect, is eliminated thanks to a special shape of the shutter that allows a constant distribution in all conditions.

# PRIMO M

## mechanical metering

### Two versions for different uses

To meet the various needs of small and large farms, PRIMO is available in two versions: M, totally manual, and EW, electronically controlled with continuous weighing.

PRIMO M was designed to be practical and effective. The ON-OFF closing system is controlled by a dual-action hydraulic cylinder that allows a very quick closure of the shutter. You can adjust the delivery point on the disc with a convenient manual selector.

Delivery point register



Fertiliser meter register

Hydraulic cylinder to control the ON-OFF shutter

### Twin shutter

On PRIMO, GASPARDO has implemented a twin shutter system composed of two overlapping rolling shutters that control the delivery of the fertiliser through their opening and closing.

The upper shutter (A) is called ON-OFF, while the lower shutter (B) meters the fertiliser.



### ON-OFF closing system

The ON-OFF hatch (A) closes the flow very quickly at headlands for optimal product spreading, eliminating areas with excess quantities that could jeopardise germination. It was implemented to avoid delays in spreading or areas with suboptimal coverage, because the metering shutter continuously monitors the speed of the tractor to maintain the flow as constant as possible.

# PRIMO EW

## electronic metering

### **Electronics working for you**

PRIMO EW has ON-OFF and meter settings controlled by electric actuators to take advantage of the continuous weighing of the load cell. All parameters and operating modes can be changed via the monitor provided.



### **Metering shutter: up to 620 kg/min**

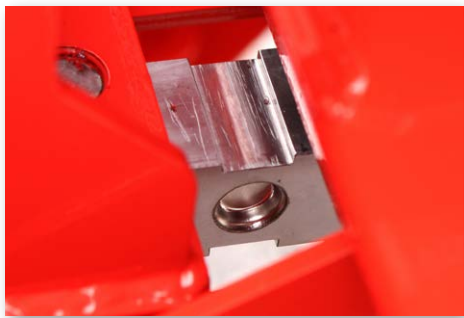
The lower shutter, which varies the product flow on the spreading disc, is manually adjusted on the PRIMO M, while on the PRIMO EW it is electronically and continuously managed thanks to the feedback of the load cell. Its particular shape has been designed to minimise the meter effect, which occurs with very low or very high flows. The flow can reach up to 620 kg per minute.

# Maximum durability



## **Sturdy and safe**

The frame structure and load cell have been tested with loads that are much higher than the maximum permissible capacity to guarantee superior durability in every situation, even in extreme conditions.



## **Precision weighing**

In the EW model there is a load cell that allows reading the amount of fertiliser in the hopper in real time. Thanks to these readings, the on-board electronics can calculate the quantity of product distributed per unit of surface and, if necessary, correct the flow to optimise the quantity. The sensor used has been tested to withstand high stress while maintaining maximum precision.

## **Double A-frame**

Parallelogram structure: in addition to making it easy to connect the tractor, this system is used to mechanically transfer the weight from the hopper to the load cell without alterations in order to correct product flow thanks to optimised reading, thus reducing waste and environmental issues.





# Minimum effort



## Everything within your reach

PRIMO EW is controlled by a terminal that offers various functions to better control the spreading of the fertiliser.

Its characteristics are:

- Metered quantities as the tractor speed changes
- Continuous calibration of the fertiliser flow
- Speed sensor with GPS (**standard**)
- Easy diagnosis of malfunctions in electric actuators
- Work report
- Software update via USB



## Four ways of working

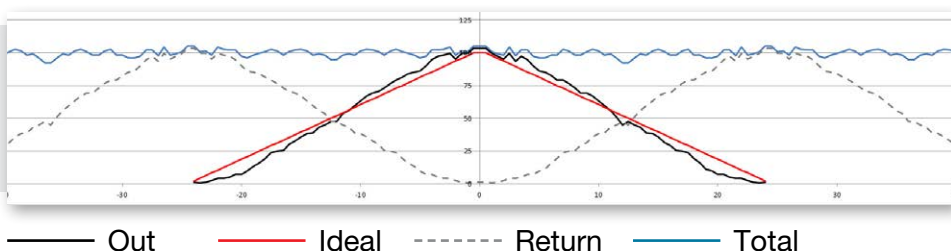
- **Automatic:** once the desired quantity has been set, product distribution is continuously adjusted according to the tractor speed. The electronic system periodically measures the weight in the hopper and performs a new calibration, always taking into consideration the type of fertiliser being used.
- **Semi-Automatic:** once the desired quantity has been set, the flow is automatically adjusted according to the tractor speed. In the event of very rough terrain (e.g. after ploughing), for a correct reading of the load cell the flow rate is set when the machine is stopped every time the set calibration area is reached.
- **Speed:** the load cell is disabled and the distribution is regulated by the memorised distribution curve. This mode is used on terrains with steep slopes where the inclination can compromise the accuracy of the scale.
- **Manual:** the operator directly sets the distribution parameters, completely disabling the electronic controls.

# Quality spreading



## Certified quality

Testing has confirmed the quality of PRIMO that, as can be seen from the graph, approaches ideal spreading values.



## Rotating and vibrating blender

The multi-arm head has a shape designed to convey granular fertiliser to the distribution system. Internally the "idler wheel" system avoids excessive rotation, preventing product breakage and prevents damage to the head if there are foreign bodies.

## Eccentric blender

The eccentric shaft that moves the blender facilitates the rapid flow of the fertiliser towards the distribution chute, making the flow more uniform.



## Spreading width

Two spreading discs are available: one for widths of 12 to 21 metres suitable for smaller plots and the other for widths of 21 to 36 metres, ideal for larger fields. Disk replacement is quick and easy to perform.

**PATENTED SYSTEM**



12 - 21 m



21 - 36 m

# Optionals



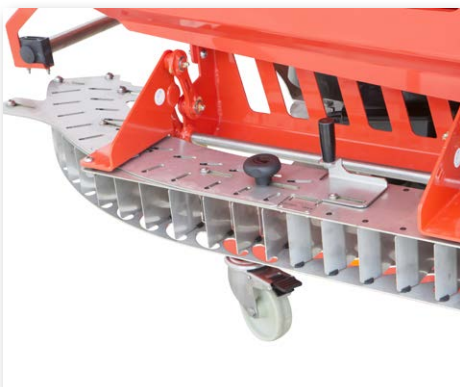
**Hopper cover  
with inspection window**



**Ladder for hopper  
inspection**



**Storage wheels**



**Edge kit**



**Plastic mudflaps  
(standard on EW)**



**LED light kit  
(standard on EW)**

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