



**AMAZONE**

# ZA-M



**AMAZONE spreaders  
fulfil all European  
environmental  
standards**

# ZA-M fertiliser spreader



 **SPEED**  
spreading

The ZA-M twin-disc broadcaster, in hopper capacities up to 3,000 litres and spreading widths of up to 36m, is the ideal machine for both farming enterprises and contractors alike and places great value on safety and reliability. The slow-turning, high capacity agitation system and the reduced disc speeds ensure an even, granule-protecting fertiliser flow.



## ZA-M

**tried and tested in practice over  
100,000 times over; reliable and safe**

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❗ “Even with the application of grass seed, it is clearly visible that the spreader distributes the seed very precisely and evenly.”  
(Equestrian business profi magazine - practice test · 05/2016)

From **1,000** up to **3,000 litre**  
hopper capacities

up to **36 m** working width

**SBS** – Soft Ballistic System  
for maximum fertiliser protection



Spreading disc speed from just

**720 U/min**



### Your advantages at a glance:

- ⊕ Double tipped hopper with optimum hopper shape for continuous flow monitoring and more precision
- ⊕ Fine-mesh filling sieves prevent problems when spreading and are easy to fold and lock in position for cleaning the machine
- ⊕ Complete spreading system made from stainless steel
- ⊕ Convenience and reliability due to simple and easily accessible adjustment of spread rate and working width
- ⊕ Double shutter system for an optimum rate setting and a quicker action for both opening and closing
- ⊕ Safety set with lighting system, marker boards and guard rail as standard

tried and tested in practice over  
**100,000** times over

## Double shutter system



**Limitter**  
border spreading system



**AMAZONE spreaders  
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Environmental  
Standards**



**MORE INFORMATION**  
[www.amazone.net/za-m](http://www.amazone.net/za-m)

# Many spreaders, one range

AMAZONE provides the right spreader for any size of operation!

Model	ZA-M 1001 Special	ZA-M 1201	ZA-M 1501
Working width (m)	10 – 36		
Hopper capacity (l)	1000 – 1500 (payload of up to 1800 kg)	1200 – 2700 (payload of up to 3100 kg)	1500 – 3000 (payload of up to 3100 kg)
Extension options	with 1 x S 500	with 1 x S 500 or with 2 x S 500 or with 3 x S 500 or with 1 x L 1000 or with S 500 + L 1000	

## In compact sizes: ZA-M 1001 Special



ZA-M 1001 Special

## In flexible sizes: ZA-M 1201 and ZA-M 1501



ZA-M 1201



ZA-M 1501

## The advantages come as standard:

- ✔ Safety set with lighting system, marker boards and guard rail as standard
- ✔ Perfect double shutter control system; one for rate setting and one for opening and closing
- ✔ Hopper capacities that can be extended by use of the after-fit extensions
- ✔ Calibration set, setting chart and calculating disc rule as standard
- ✔ Convenience and reliability due to simple and easily accessible adjustment of spread rate and working width
- ✔ Hose rail protects the hydraulic connectors from dirt
- ✔ Maintenance-free, oil-immersed gearboxes with integrated overload protection – tried and tested over 100,000 times
- ✔ Fine-mesh filling sieves prevent problems when spreading and are easy to fold and lock in position for cleaning the machine
- ✔ Robust frame design and a spreading system made completely of stainless steel

# The extensions

Flexible hopper volumes using the after-fit extensions



✔ Extension S 500 – narrow



✔ Extension L 1000 – wide

## Extension S – narrow execution

The narrow S-extension gives you a narrower transport width. Direct filling from a tipping trailer or out of big bags is no problem.

## Extension L – wide execution

The large filling width of 2.76 m provides you with adequate safety when loading with wide buckets. The wide L-extension is particularly recommended when large industrial front loading shovels are being used.



Filling with tipping trailer



Filling with big bags



Filling with a loading shovel

# Stainless steel spreading system



## Outstanding machines made from outstanding materials

The entire spreading system of the ZA-M spreaders is made from stainless steel:

- ✔ the hopper tips and agitator spirals
- ✔ the entire base plates with setting rate slides and hydraulic shutters
- ✔ the spreading discs with the spreading vanes
- ✔ the fully enclosed deflector plates

## SBS – Soft Ballistic System

Perfect “teamwork” of:

- ✔ agitator
- ✔ hopper tips
- ✔ base plates
- ✔ double shutters
- ✔ spreading discs and deflector plate

## The benefits:

- ✔ Easy to maintain due to open design of spreader
- ✔ Perfect functionality due to the maintenance-free, oil-immersed gearboxes, stainless steel chain drive for agitator shaft, hydraulic cylinders and robust frame



# Oil-immersed gearboxes

tried and tested over 100,000 times

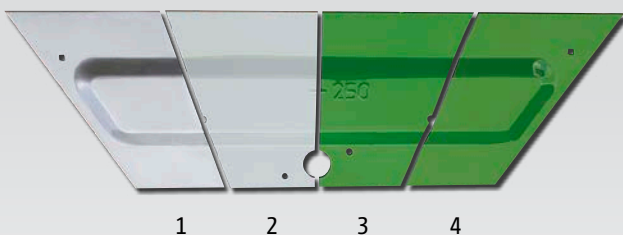


## Decades of reliability

The oil-immersed gearbox has proven to be the indestructible heart of the AMAZONE twin disc fertiliser spreader. These AMAZONE gearboxes have proven themselves 100,000 times and more. They are maintenance-free and offer integrated overload protection against gearbox damage.

## Perfect production: active protection for the environment right from the start

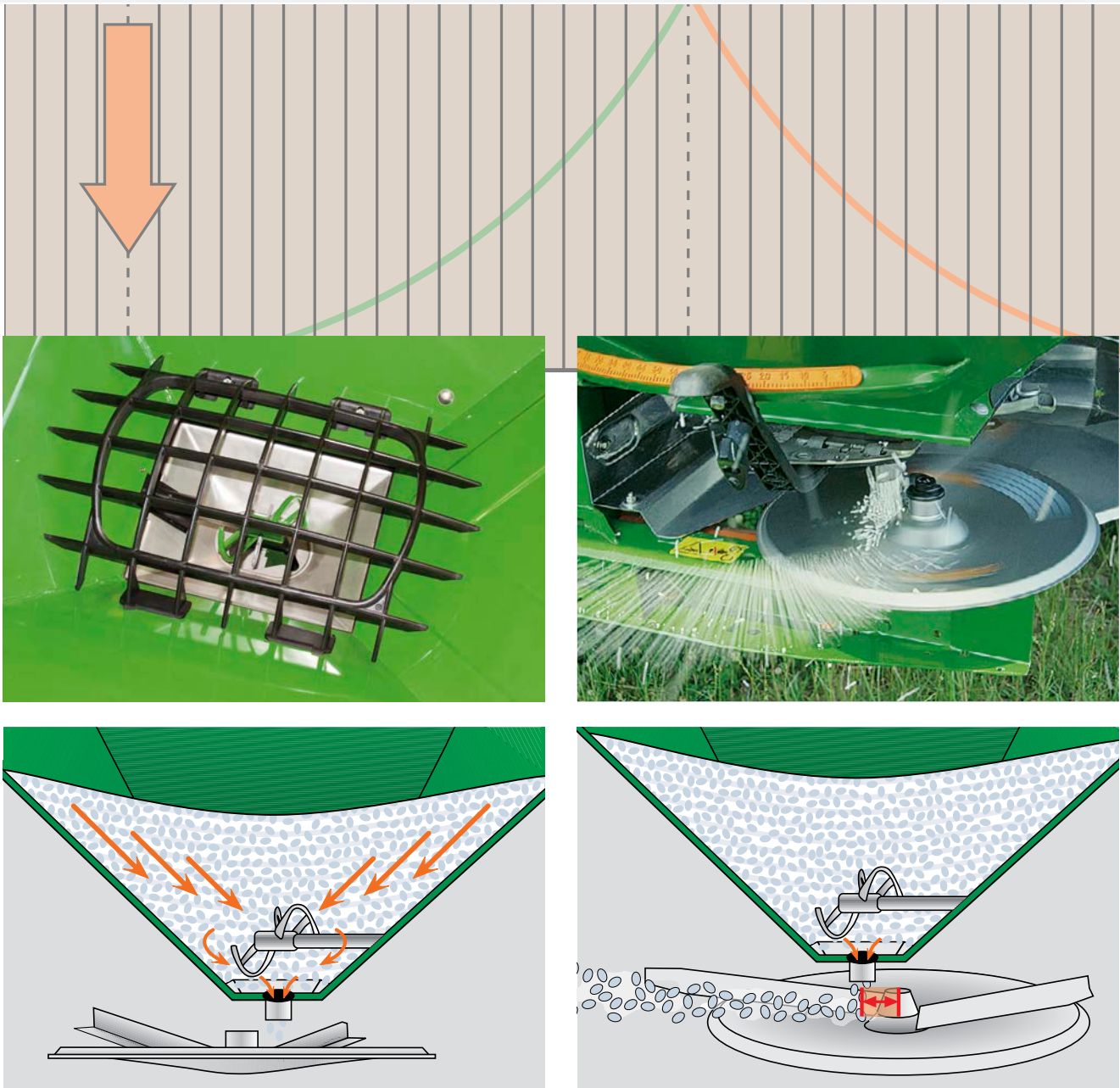
- ✔ Energy saving due to optimised manufacturing processes in large batches
- ✔ Best possible utilisation of raw materials due to CNC processor-controlled cutting and bending technology
- ✔ Modern electrophoretic dipping procedure for top quality corrosion protection (car standard)



- ✔ High quality multi-layer paint finish
  - 1) sheet steel
  - 2) zinc phosphate (galvanising layer)
  - 3) KTL priming coat
  - 4) top coat

# SBS – Soft Ballistic System

The concept: Gentle fertiliser treatment means more precision



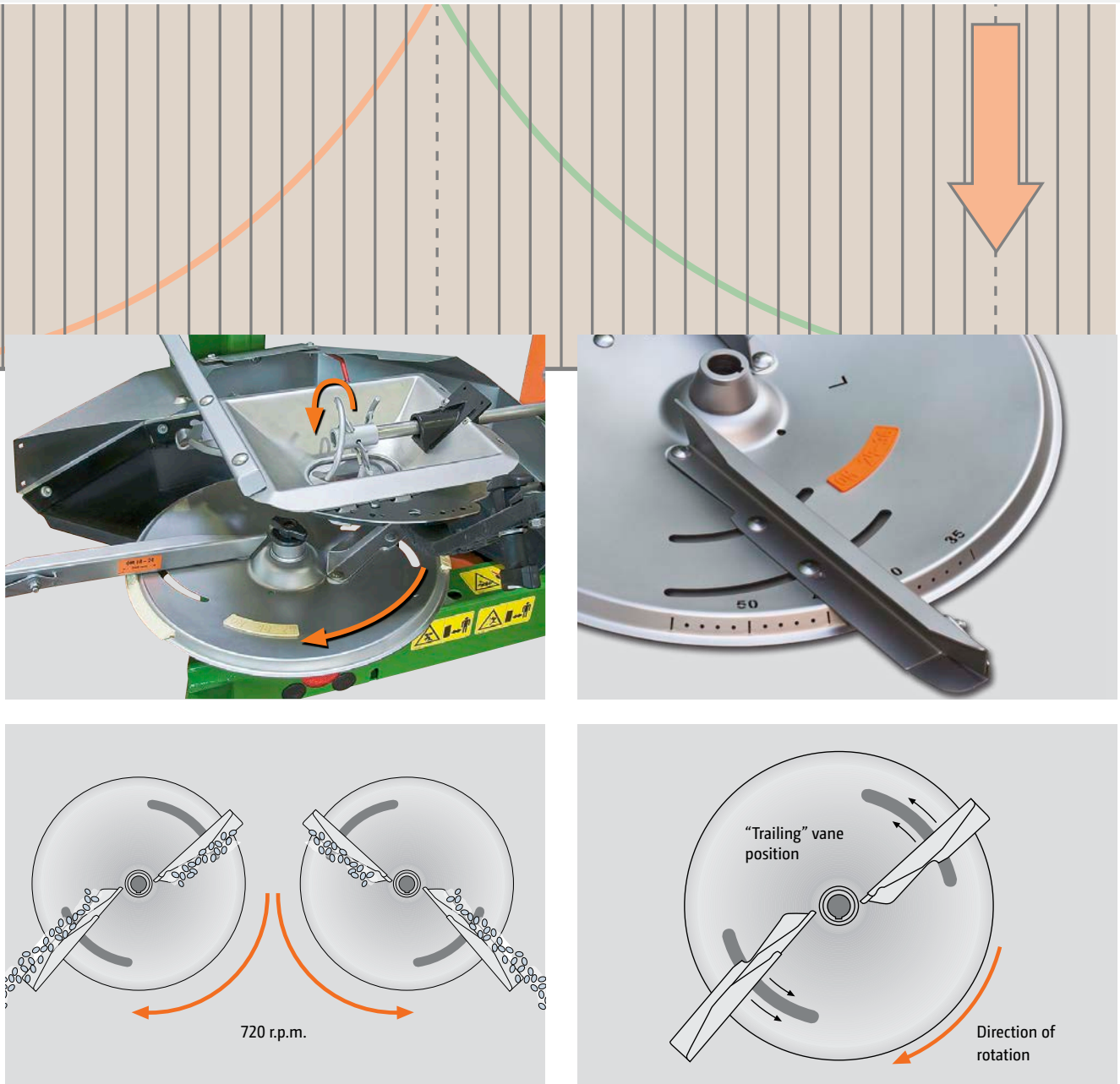
**1 Gentle guidance:**  
The AMAZONE Soft Ballistic System is incorporated into the agitators which are shaped in such a way that the fertiliser is taken from across the whole width of the hopper alleviating problems of the formation of a fertiliser funnel in the centre of the hopper and maintaining homogeneity.

**2 Gentle delivery:**  
The delivery of the fertiliser directly onto the centre of the spreading disc is especially advantageous because of the low peripheral speed of the spreading disc in this sector.

## Peace of mind as standard

Mineral fertiliser needs to be gently handled to ensure a precise distribution and an exact placement to the plant over the entire working width. Fertiliser, which has been damaged whilst going through the spreader, will not be precisely distributed.

The AMAZONE Soft Ballistic System is integrated into all ZA-M mounted spreaders where the agitator, metering components and spreading discs are all optimally matched to protect the fertiliser and ensure yield.



### 3 Gentle acceleration:

The AMAZONE Soft Ballistic System gently accelerates the fertiliser via the spreading discs rotating at 720 r.p.m. making sure that even very fragile fertilisers keep their spreading properties.

### 4 Gentle ejection:

With the aid of the AMAZONE Soft Ballistic System the fertiliser is provided with the energy required for the optimum trajectory and a precise spread pattern.

# Adjusting the spread rate

simple – reliable – precise

## Tool-less setting of the spread rate

The spread rate and the working width are preselected from the extremely comprehensive setting chart. Clear, easy to read scales help you to set the spread rate exactly using the shutter slide.

The settings can be made either manually to the rear or via an operator terminal.



Rate shutter      On/off shutter



✔ By being able to open and close the shutter slides individually, the desired quantity of fertiliser required for each side can be applied via the spreading disc.

✔ The checking the spread rate is extremely easy using the calibration kit for determining the material characteristics (flow behaviour etc.).

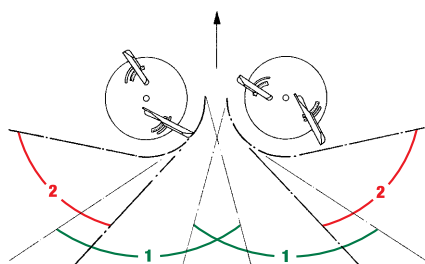
# Adjusting the working width

User-friendly in every detail

## OM OmniaSet spreading disc for the ultimate precision

The OM OmniaSet spreading discs are equipped with pivoting spreading vanes that generate a spread pattern that is extremely precise and safe. With the aid of an easily readable scale that is in the user's field of view, the spreading vanes can be adjusted easily and exactly, without tools. AMAZONE provides comprehensive setting charts for all kinds of fertiliser, seed and slug pellets. The OM OmniaSet spreading discs are made from stainless steel and are easy to fit.

Late top dressing is advantageous for generating quality crops. This is extremely easy to do with AMAZONE spreading discs – the standard swivel tips on the spreading vanes just have to be folded up.



Optimum lateral distribution in four sectors

## Working widths of the OM OmniaSet spreading discs for ZA-M

OM 10 - 12	OM 10 - 16	OM 18 - 24	OM 24 - 36
10 – 12 m	10 – 16 m	18 – 24 m	24 – 36 m (with hard metal coating)

## Maximum working width with ZA-M OM 24-36

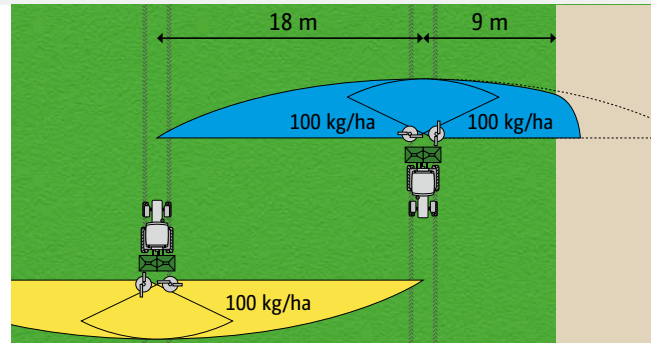
KAS	Kali	Granular urea	Prilled urea
36 m	36 m	32 m	30 m

# Active protection for the environment

- ✔ Economical, and in particular, extremely ecologically sensitive mineral fertilising requires responsible minded actions. According to new environmental directives, environmentally harmless fertilisation on the field edge is not possible without modern border spreading systems.

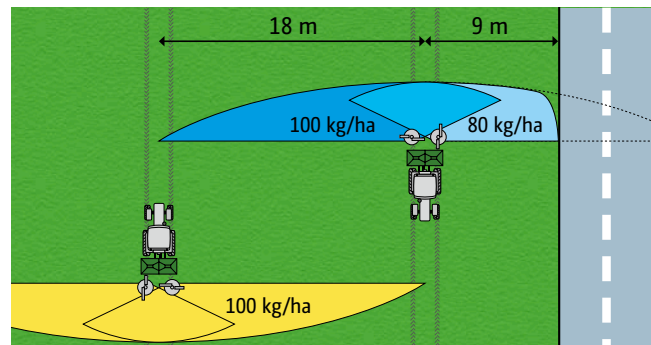
## Side spreading (yield oriented setting)

The neighbouring field is an area that is used agriculturally. In this case it is tolerable for a small quantity of fertiliser to be thrown over the border of the field. The fertiliser distribution inside the field boundary is still 80% of the desired application rate at the edge of the field.



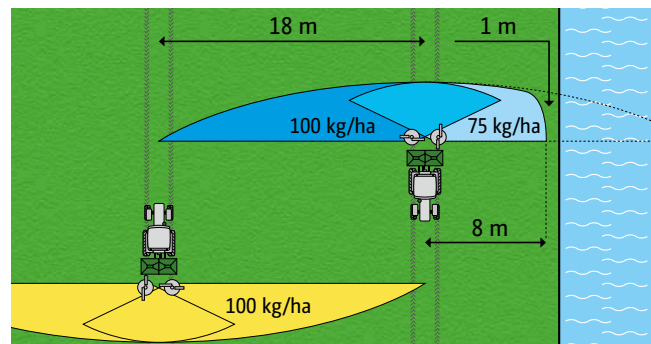
## Boundary spreading (environmentally oriented setting)

If the field is adjacent to a road or cycle path, no fertiliser must be thrown beyond the border of the field. The spread rate must be reduced at the border side so that no over-fertilisation occurs within the boundary of the field. A small amount of under-fertilisation occurs before the edge of the field. The border spreading procedure complies with the fertiliser decree requirements.



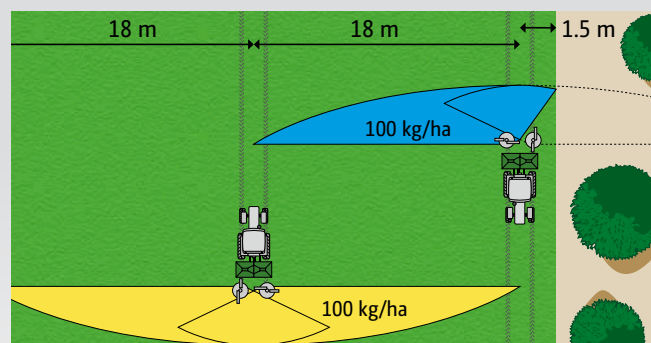
## Water course spreading (environmentally oriented setting)

If there is surface water at the edge of the field, a distance of one meter must be maintained using a border spreading device according to the fertiliser ordinance, and even three metres without a border spreading device. In order to prevent over-fertilisation inside the field, the spread rate must be reduced at the boundary side.



## Side spreading – first tramline at the field edge

If the first tramline is at the edge of the field, side spreading (yield-oriented adjustment) is achieved by shutting off one side of the spread fan. Only a little fertiliser goes beyond the boundary of the field, and optimum fertilisation takes place within the boundary.



# Boundary spreading equipment

All of the requirements of the current fertiliser ordinance can be perfectly met with **AMAZONE** boundary spreading equipment.

## Tele-Set disc

You can change over from normal spreading to side, boundary or water course spreading by means of a tool-less disc change.



## Border spread deflector, left hand

The one-sided, manually folded spread deflector is a low-cost solution for carrying out boundary spreading on the left side in the direction of travel.



## Row spreading attachment, both sides

The bed spreading deflector can be used to spread to the left, the right or to both sides and ensures that the tractor wheel track is left almost fertiliser free. It is adjustable for different sorts of fertiliser and is ideal for specialist crops and makes many types of operation possible. Mounting and dismounting is done quickly and easily without tools.



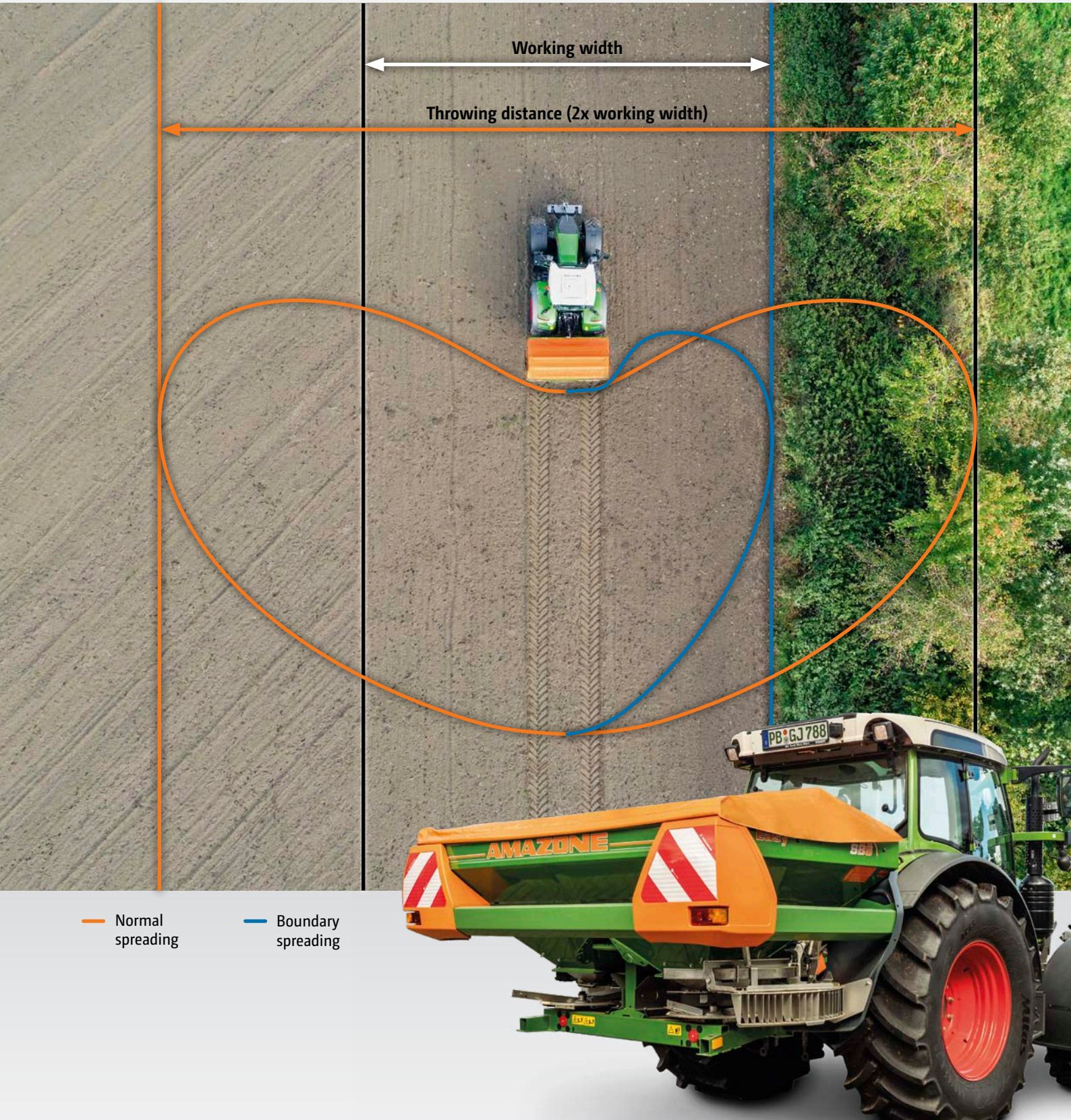
## AMAZONE Limiter, right or left hand

With the ZA-M there is a choice: Limiter to the right or left hand side. Modern tractors have most of the controls on the right next to the driver's seat. In this case, border spreading is more convenient and comfortable using the right hand Limiter. The all-stainless steel Limiter is simply folded down into the spread fan. The lamella block then produces a direction change for part of the flow of fertiliser. An optimum spreading pattern is formed up to the border.



# AMAZONE Limiter

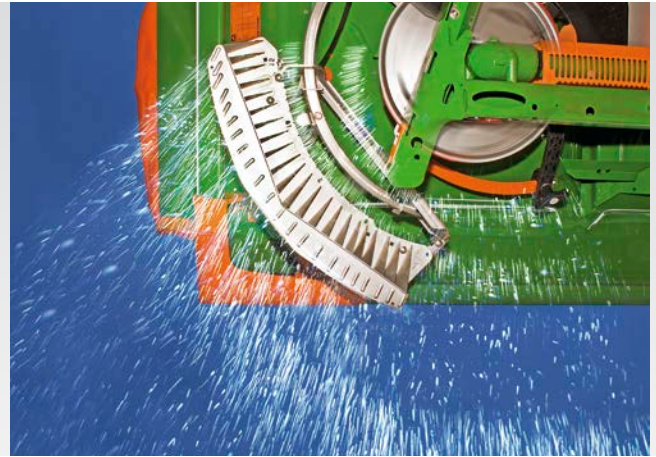
Convenient boundary spreading – without stopping or leaving the tractor cab



— Normal spreading

— Boundary spreading





## Perfect boundary and side spreading

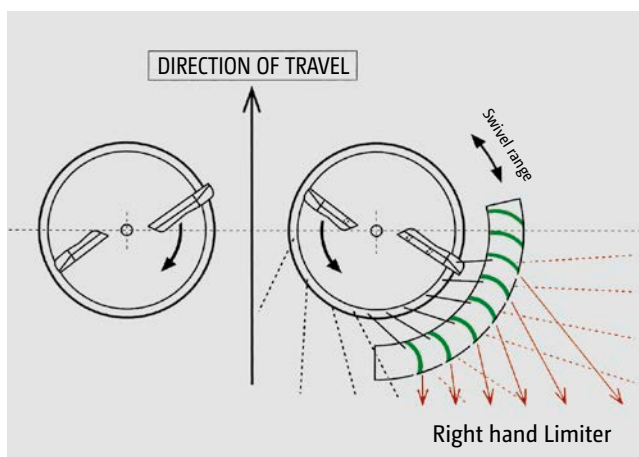
The Limiter is a modern boundary spreading system that is used if the first tramline is half the working width of the fertiliser spreader in from the edge of the field. It is used for side, boundary and water course spreading.

The decisive advantage with the Limiter is that there is no need to stop, interrupt the spreading operation or dismount from the tractor.

The EasySet in-cab terminal can be used to reduce the spread rate when boundary and water course spreading. AmaDos+ automatically adjusts the quantity to one side when the Limiter is in use.

The Limiter can be moved on a fixed frame within a generously dimensioned swivel range. This sets the Limiter to the required position for side, boundary or water course spreading, depending on the type of fertiliser. Exact details of this can be found in the setting chart and on a sticker on the machine. If the Limiter is not being used, it is conveniently swivelled up via a hydraulic cylinder.

## “Limiter” method of operation



- ✓ The Limiter can be hydraulically folded up out of the spread fan from the tractor seat.

# Optional equipment

Perfect down to the last detail





### Parking and rolling device with parking brake

A sensible accessory: the robust castor wheels make it easier to attach and detach the spreader and manoeuvre in the farmyard. The wheels can be quickly removed.



### “Tele-Space” PTO shaft

It is even easier to attach and detach the spreader using the “Tele-Space” telescopic PTO shaft.

### Hopper cover

The hopper cover is simply swivelled open before filling. When closed it allows fertiliser spreading to continue, even during bad weather.

### Front lighting with integrated ladder

According to the StVZO, front lights are required for the wide L-extension if there is an excess width. The ladder integrated on the left-hand side provides a better view into the hopper and therefore makes inspection and cleaning easier.



# EasySet –

## The simplest of terminals

With the help of the EasySet operating terminal, the left and right shutter settings can be adjusted separately at the press of a button whilst on the move. This means that the spread rate can be set individually to either the left or right hand side.

The EasySet terminal can also be used to monitor the optional Limiter border spreading system. A LED light on the terminal shows the driver whether the Limiter is active (swung down) or not.



### Main benefits of EasySet:

- ✔ Simple operating terminal without menus
- ✔ Only individual function keys
- ✔ Comfortable operation from the tractor seat of both the on/off and shutter position without the need for tractor spool valves
- ✔ Adjustment of the application rate by alteration of the shutter position
- ✔ Border spreading with manual spread rate reduction
- ✔ Readout of the Limiter position possible

### Simple, direct operation

- ✔ Individual hydraulic shutter actuation via two double-acting tractor spool valves
- ✔ A simple, 3-way valve is also available, where the tractor does not have sufficient spool valve possibilities



# AmaDos<sup>+</sup> –

## ZA-M with Control-Pack

For the ZA-M with mechanical spreading disc drive there is the Control package with AmaDos<sup>+</sup> for electronic control of the spread rate, independent of the forward speed.

- ❗ “... the base-entry electronics for a modern fertiliser spreader.”  
(LZ – More electronics for more precision when spreading fertiliser · 12/2011)



### Benefits from AmaDos<sup>+</sup>:

- ✔ The preselected spread rate always remains the same whatever the optimum working speed selected. This is particularly beneficial with tractors with a variable transmission
- ✔ Changes to the rate can be made to either both sides or just one in freely selectable steps
- ✔ Robust actuator motors on the rate shutters adjust the spread rate
- ✔ All electronic components are protected from water ingress and corrosion
- ✔ The speed is recorded using a drive shaft sensor or the tractor signal socket
- ✔ Simple calibration programme with independent rate setting determination
- ✔ Can be extended to other applications, e.g. as a hectare counter during manure spreading, cultivation or mowing with a separate working position sensor
- ✔ Serial interface available for documentation and the connection of N-sensors and GPS-terminal supplied application maps for site-specific fertilisation
- ✔ Job memory for up to 20 field records

	ZA-M	ZA-M Easy	ZA-M Control
Hydraulic shutter slide actuation	X		
Electric shutter slide actuation		X	X
On-the-move change of the application rate		X	X
Forward-speed dependent automatic rate control			X
Border spreading via the Limiter	X	X	X
Automatic spread rate reduction when border spreading			X
Maximum number of part-width sections	2	2	2
Terminal required		EasySet	AmaDos <sup>+</sup>

# Spreader Application Centre

Exemplary advice – for more than 25 years

## The settings are crucial!

With the Spreader Application Centre, AMAZONE offer even better customer service. In addition to the already well-established fertiliser laboratory and spreading hall, the Spreader Application Centre now also includes the areas of “Test and Training”, “Data management” and the relevant “Knowledge transfer”.

The two last areas are accompanied by a reorganisation that caters for the increasing globalisation and digitalisation of agriculture. The aim of the Spreader Application Centre is to offer to the customer an even better service with regard to fertiliser application.



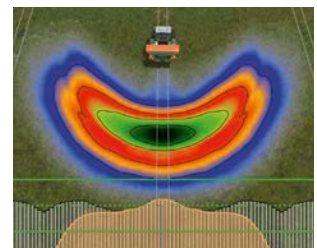
Fertiliser laboratory



Spreading hall



Test and Training



Data management and knowledge transfer

## Only when properly spread is your fertiliser worth its weight in gold

The AMAZONE FertiliserService closely cooperates with well-known manufacturers of spreading material – worldwide to be able to make available to you the best setting values as quickly as possible. AMAZONE is the name for precise spreading charts, worldwide.

## FertiliserService – You can contact us via:

The FertiliserService works beyond limits. Because no matter whether your fertiliser spreader is 5 or 50 years old, we are always by your side with competent and reliable assistance.



Modern fertiliser spreader test hall

Internet: [www.amazone.de](http://www.amazone.de)  
 ✉ E-Mail: [duengeservice@amazone.de](mailto:duengeservice@amazone.de)  
 ☎ Telefon: +49 (0)5405 501-111  
 📞 WhatsApp: +49 (0)175-488 9573

Also available via an App for iPhone and other Smartphones.



Android equipment



iOS equipment

# EasyCheck

## Precise spreading made easy!



### Digital, mobile test kit for the easy optimisation of the lateral distribution

Instead of testing trays, such as those found in the normal mobile test kit, the EasyCheck system consists of just 16 lightweight test mats made from rubber and the EasyCheck App for Smartphones. The test mats are positioned in pre-determined distances away from the tramline. Then the relevant tramline is spread and the mats with the fertiliser granules laying on them are photographed. The App now compares automatically how much fertiliser has been collected on each test mat and sets the results of the individual rows to an average. In cases where the spreading results are not the optimum, the App suggests readjustments for the setting of the relevant fertiliser spreader.



EasyCheck – Smartphone App for fertiliser spreaders



## Technical data

ZA-M	1001 Special	1201	1501
Working width (m)	10–36		
Hopper volume (l)	1,000	1,200	1,500
– with hopper extension 1 x S 500 (l)	1,500	1,700	2,000
– with hopper extension 2 x S 500 (l)	–	2,200	2,500
– with hopper extension 3 x S 500 (l)	–	2,700	3,000
– with hopper extension 1 x L 1000 (l)	–	2,200	2,500
– with hopper extension S 500 + L 1000 (l)	–	2,700	3,000
Payload (kg)	1,800	3,100	3,100
Filling height (m)	1.07	1.07	1.14
– with hopper extension 1 x S 500 (m)	1.21	1.21	1.28
– with hopper extension 2 x S 500 (m)	–	1.35	1.42
– with hopper extension 3 x S 500 (m)	–	1.49	1.56
– with hopper extension 1 x L 1000 (m)	–	1.35	1.42
– with hopper extension S 500 + L 1000 (m)	–	1.49	1.56
Filling width (m)	2.15	2.15	2.15
– with hopper extension 1 x S 500 (m)	2.16	2.16	2.16
– with hopper extension 1 x L 1000 (m)	–	2.76	2.76
Total width (m)	2.44	2.44	2.44
– with hopper extension 1 x L 1000 (m)	–	2.93	2.93
Total length (m)	1.42	1.42	1.42
Spreading disc speed (U/min)	720 (Standard speed)		
Weight base machine (kg) (Extensions S 500 + 27 kg / L 1000 + 57 kg)	309	319	332

Illustrations, content and technical data are not binding! Deviations of technical data are possible depending on the equipment. The illustrations may deviate from the requirements for local road traffic regulations.

**Ahead in the field and safe on the road: ZA-M**

# ZA – the spreader



**AMAZONEN-WERKE H. Dreyer GmbH & Co. KG**

P. O. Box 51 · D-49202 Hasbergen-Gaste/Germany

Phone: +49 (0)5405 501-0 · Fax: +49 (0)5405 501-193