



# **ZA-X Perfect**







## AMAZONE ZA-X Perfect fertiliser spreaders; designed precise, reliable, value for money.

AMAZONE has focused the development of fertilising technology on optimum plant nutrition. Most important of all, with fertiliser spreading in

practice is the precise nutrient placement. AMAZONE offers a fertiliser spreader programme that fulfils all European standards with regard to

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# for farmers with the emphasis on environmental care:

**distributional accuracy and border spreading.**

**Farmers trust in AMAZONE.**



## Standard features of the ZA-X Perfect include:

- Square, compact hopper with capacities from 500 to 1750 litres.
- Steep hopper walls, yet with a low filling height from 91 cm.
- Easy attachment to the tractor, spreader always sits level and at the same mounting height.
- “Omnia-Set” spreading discs with easily adjustable spreading vanes for normal spreading, late top dressing and border spreading – no tools required.
- Accurate spread pattern with working widths from 10 m to 18 m and urea up to 15 m.
- Extensive setting charts for fertilisers, seeds, slug pellets, etc.
- Spreading discs, spreading vanes, deflector plate and all important parts made from stainless steel.
- Guard tube for additional safety.
- Tele-Quick precision border spreading vane (available as an option on ZA-XW 502).
- 720 r.p.m. disc speed provides gentle fertiliser treatment.
- Easily adjustable, robust rate setting with clear scales.
- Hydraulic individual single shutter remote control for right and left hand side with 2-way valve.
- Disengageable agitator heads, e. g. for urea or for prolonged half side spreading.
- Swivel blades for late top dressing, no need for inconvenient tilting of the complete spreader.
- Twin hopper with visual check of the metering apertures.
- Shear bolt protection against PTO shaft overload.
- Excellent value for money.



## ZA-X Perfect – the setting up is so straight forward!



**AMAZONE spreading discs;**  
made from stainless steel and indestructible.

**600 up to 1750 litres**  
**working width 10 m up to 18 m**  
**urea spreadable up to 15 m**

### Spread rate adjustment



The spread rate adjustment with its two individual setting shutter slides is located well out of the “dirt area” meaning that they are neither splashed from the tractor wheels or with fertiliser dust from the spreading discs. In this way the machine remains clean and easy to operate. The pointers are arranged on a large, clear scale so that different rate settings, such as for when border spreading are immediately obvious.

### Omnia-Set spreading discs



The Omnia-Set spreading discs with swivelable spreading vanes provide a particularly precise spread pattern. With the aid of the setting scale, the spreading vanes can be accurately and unmistakably set. The wide, flat trajectory spread pattern is insensitive to both side wind and varying fertiliser properties whereas, for late top dressing, the blade ends are simply swivelled upwards without the need for any tools.



The long years of experience have resulted in a **robust frame** design that is especially necessary for this class of hopper capacity. The result is a strong, yet light, fertiliser spreader of ideal dimensions.

**Perfect in its class!**

### Twin hopper



A twin hopper; that means automatic monitoring. If one side empties quicker than the other it can immediately be checked whether a foreign obstacle is blocking the opening or whether the levers are evenly positioned on the stops. The twin hopper design gives optimised steep hopper walls which guarantee – unlike single tip hoppers – a very constant fertiliser flow, even on slopes or with very little fertiliser left.

### Hydraulic individual shutter control

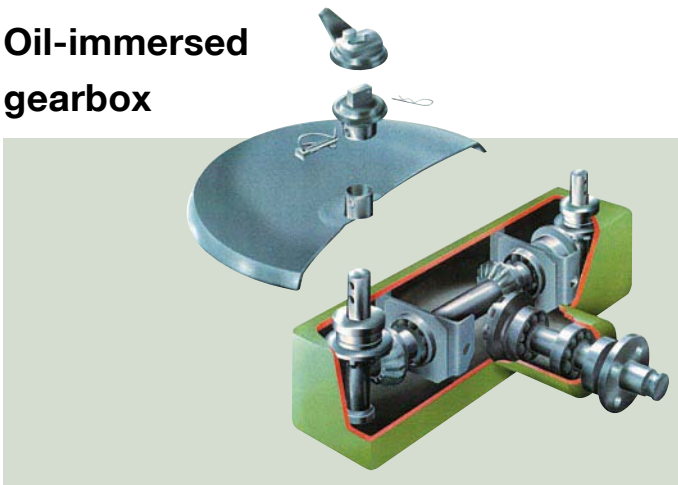


The standard hydraulically actuated independent shutter control for either both or individual right hand and left hand side control enables the comfortable operation of the spreader. One side shut-off means half side spreading, e.g. awkward fields and for half side border spreading using the border spread deflector. The 2-way valve provides this flexibility even on tractors with only one hydraulic valve.



## The indestructible heart

### Oil-immersed gearbox



The oil-immersed gearbox is the indestructible heart of this AMAZONE twin disc spreader. Double sealed, and with shear bolt overload protection on the PTO, AMAZONE ZA-X gearboxes have been proven by the hundreds of thousands and are maintenance-free.

### High capacity agitators

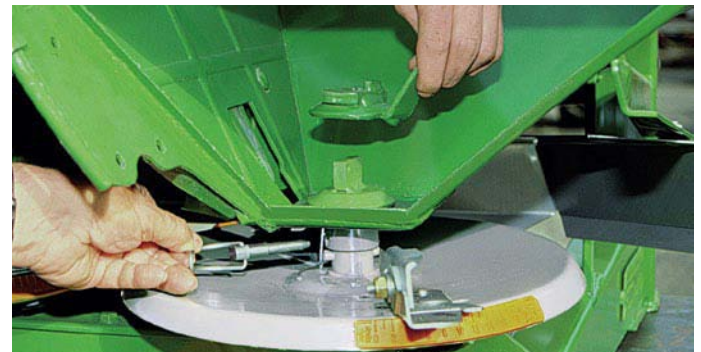


High capacity agitators feed the fertiliser evenly onto the “Omnia-Set” discs. The fertiliser is gently and evenly delivered to the shutter apertures and with the added advantage that the hopper is virtually completely emptied and little residue brought back for cleaning out.

### Agitator head



For normal fertiliser the agitator ensures an even flow of fertiliser to the discs. When spreading easily damaged materials, the large agitator finger can be removed with just an R-clip and the reduced agitation still ensures an even and reliable metering.



When half side spreading with pressure sensitive fertiliser the entire agitator head can be disengaged by simply removing a stainless steel lynch pin, a system that has proven best in practice.



Direct loading from a tipping trailer or from a bulk silo thanks to the superbly shallow filling height of the spreader.

## Perfect AMAZONE accessories

### Calibration device



By using the calibration device for a spread rate check **(special option)** a very convenient and accurate determination of the setting for the required spread rate is possible. The amount of fertiliser collected over a set distance is weighed and then using the clear ladder scale the shutter position for the desired spread rate can be accurately determined.

### Hopper protection sieve



The filling sieve is useful, when filling with bulk stored fertilisers, which have been, for example, loaded using a front end loader. This then keeps out stones, lumps etc.. The sieve folds on the ZA-X 902 and 1402 models whereas it is bolted on the smaller hopper sizes.

### Swivel hopper cover & traffic light kit



When filling, the swivel hopper cover **(special option)** is simply folded open and ensures dry material even when spreading in wet weather. A traffic light kit with warning plates **(special option)** can be specified on request.

### Parking wheels



The proven parking wheels **(special option)** ease the process of attaching the spreader to the tractor and detaching and manoeuvring in the yard. The wheels are quickly removed.

Via the L 800 extension, the capacity of the ZA-X Perfect 902 is readily increased by 800 litres. With this wide extension the filling procedure via front end loaders or telescopic loading shovels is made more convenient.







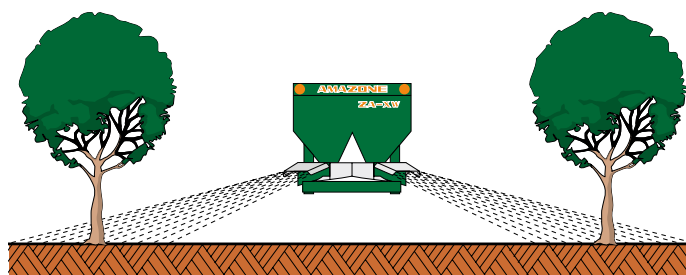
## AMAZONE ZA-XW Perfect 502 twin disc fertiliser spreader

For operation in specialist crops, such as for example, in vineyards, orchards, hop gardens and agriculture

The narrow hopper shape with very steep hopper walls and a low filling height, capacities from 500 up to 700 litres and working widths from 10 m up to 18 m or 2 m up to 6 m with the adjustable row spreading device are the particular features of this special spreader.



For fruit and hop gardens, the fertiliser is distributed around the plants by the easily adjustable twin-row spreading device, which leads to considerable savings in fertiliser application between the rows. Row spacings are from 2 to 6 metres.



The narrow total width of the spreader of only 1 metre prevents tendril damage in vineyards.



When equipped with the adjustable row-spreading device it is the ideal fertiliser spreader for orchards and hop culture.



# FertiliserService – fertiliser is only worth its weight in gold if it is properly spread.

The AMAZONE FertiliserService makes it possible to use fertiliser in an economic and environmentally-friendly manner.

The results that have been acquired domestically and abroad in the AMAZONE spreading hall over the last 15 years are stored in a computer database. It is not just the spread patterns and setting values that are recorded for the fertilisers that are tested, but also the critical mechanical material data for lateral distribution. A considerable amount of data is therefore available that allows us to provide all AMAZONE customers with free advice regarding the setting values for unknown types of fertiliser and new fertiliser products.



Only comprehensive and continuously updated setting charts, which are a matter of course at AMAZONE, lead to an optimum spreading result.

## New FertiliserService from the world's most up-to-date spreading hall

AMAZONE now has a fertiliser spreader testing hall for research, development and series production management that is even more modern.

It is now possible using the new on-line weigh cells to analyse not only the lateral distribution but also the spatial distribution of every spreading test. Although this has enormous benefits for developing new fertiliser spreaders in particular, this new information, however, is also required in order to perform automatic switching operations (GPS).

AMAZONE has also opted for new innovative technology in its choice of measuring system. The fertiliser spreader now stands on a rotating platform and rotates around a vertical axis. This measuring system can be used to determine all possible working widths employed at present.



## From the source to the spreader

The AMAZONE FertiliserService works closely together with all well-known spreading material manufacturers, even worldwide, in order to provide the best setting values as quickly as possible.





## The exclusive service for the users of AMAZONE fertiliser technology



The fertiliser service works beyond boundaries. And not just geographical boundaries, because, regardless of whether your fertiliser spreader is 5 or 50 years old, we are always competently and reliably at your side.

**Internet:** [www.amazone.de](http://www.amazone.de)  
**E-mail:** [duengeservice@amazone.de](mailto:duengeservice@amazone.de)  
**Phone:** +49 (0)5405 501-111  
**Fax:** +49 (0)5405 501-374

## The best way: fertiliser service on the Internet at [www.amazone.de](http://www.amazone.de)



Optimum fertilisation does not just involve fertiliser and spreaders! Competent advice about critical types of fertiliser is just as important. You can obtain the latest setting values for lateral distribution and spread rates for the AMAZONE fertiliser spreaders from our data-base on the Internet at [www.amazone.de](http://www.amazone.de), 24 hours a day and free of charge. To do this, just select your machine model and the spreading material.

**FertiliserService App for Android or iOS equipment**  
Our FertiliserService App has been downloaded more than 25,000 times; a service that no other fertiliser spreader manufacturer offers.

Android equipment



iOS equipment



## Precise, environmental saving border spreading

### Tele-Quick vane



The standard Tele-Quick border spreading vane (available as an option on the ZA-XW 502) is stored in its holder and can be exchanged without tools for the long spreading vane. It doesn't get any quicker or simpler than that!

### Border spread deflector



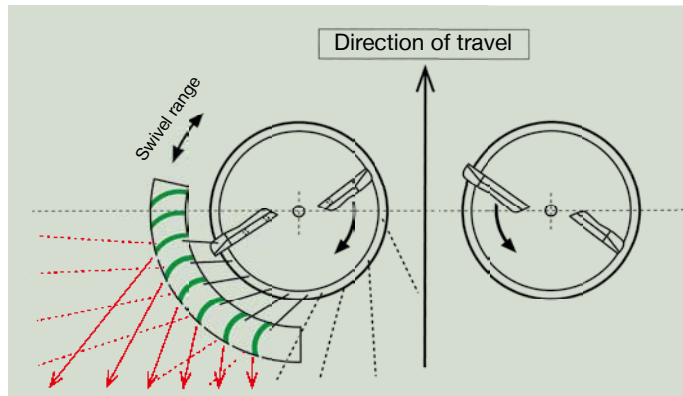
The border spread deflector (optional equipment) provides an exact spread right up to the field's edge. For this, one side of the spreader is switched off. When spreading normally, the deflector is simply lifted by hand out of the way. Also, this useful AMAZONE accessory is made from stainless steel.



# Convenient border spreading without stopping and without leaving the tractor cab with the "Limiter X"

## "Limiter X" – the name synonymous for precise border spreading

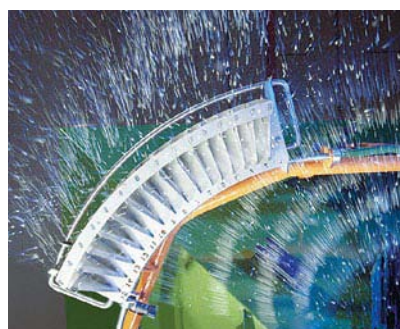
The Limiter is used for when the first tramline is placed at half the working width of the fertiliser spreader from the field boundary. It can be used for border spreading, water course spreading and side spreading.



**All AMAZONE border spreading devices correspond to the EU fertiliser decree**

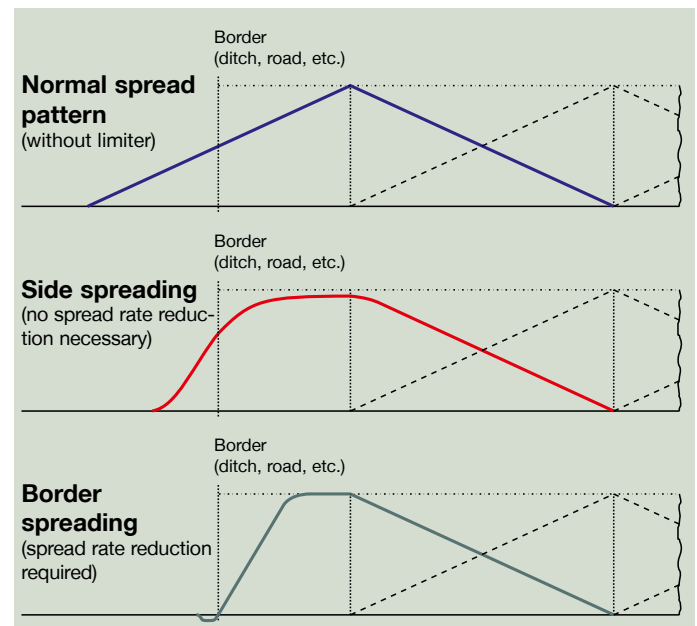
### The decisive point is:

There is no stopping and leaving the tractor cab. The strong tubular frame carries the "lamella block" made entirely from stainless steel. This block can be swivelled forwards and backwards and in this way the "Limiter X" can be set to the desired function (working width, border or side spreading, type of fertiliser). When not in use the Limiter is comfortably raised via a hydraulic ram. The device does not require any additional control valves on the tractor.



Clean and precise spreading with the "Limiter X" up to the field's border

The "lamella block" changes the direction of part of the fertiliser flow. This way an optimum spread pattern on the border is achieved. An automatic spread rate reduction when border spreading is also possible.







### Technical data

Model	ZA-XW Perfect 502	ZA-X Perfect 602	ZA-X Perfect 902	ZA-X Perfect 1402	ZA-XW Perfect 502 and S 200	ZA-X Perfect 602 and S 250	ZA-X Perfect 902 and S 350	ZA-X Perfect 902 and L 800	ZA-X Perfect 1402 and S 350
Hopper capacity (litres)	500	600	900	1400	700	850	1250	1700	1750
Payload (kg)	1000	1800	1800	1800	1000	1800	1800	1800	1800
Weight (kg) incl. guard tube, PTO shaft, discs	194	212	248	275	212	233	273	300	300
Filling height (m)	0.93	0.91	0.97	1.16	1.07	1.05	1.11	1.25	1.30
Filling width (m)	0.90	1.40	1.89	1.89	0.87	1.37	1.88	2.48	1.88
Length (m)	1.42	1.42	1.35	1.35	1.42	1.42	1.37	1.35	1.37
Width (m)	1.07	1.50	2.02	2.02	1.07	1.55	2.07	2.65	2.07
Working width (m)	10 to 18	10 to 18	10 to 18	10 to 18	10 to 18	10 to 18	10 to 18	10 to 18	10 to 18
Working width with urea (m)	up to 15	up to 15	up to 15	up to 15	up to 15	up to 15	up to 15	up to 15	up to 15

Illustrations, descriptions and technical data are not binding and subject to change! Machine illustrations can vary due to country-specific traffic legislation.

Patents and patents applied for.

### Four robust models



With the added flexibility of the **350 litre extension** it is possible, to increase, for example, the **ZA-X Perfect 902** and **1402** to **1250 litres** and **1750 litres** respectively. The extension can be retrofitted at any time.

### AMAZONE spreaders generate profit!



Twin disc centrifugal spreader ZA-M  
1000–3000 l, 10–36 m



Weigh-cell spreader ZA-M Profis  
1500–3000 l, 10–36 m



Spreader ZA-TS  
1700–4200 l, 18–54 m



Bulk material spreader ZG-B  
5500–8200 l, 10–36 m



Large area spreader ZG-TS  
5500–8200 l, 18–54 m



Road salt spreaders E+S  
300–1000 l



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