



Spreader Application Center

Innovating, Applying, Informing

Spreader Application Center

The settings are crucial!

With the new Spreader Application Center AMAZONE continues to expand still further its level of customer service in time for the 25th anniversary of its FertiliserService. In addition to the already established areas – such as the fertiliser laboratory and spreading hall – the Spreader Application Center now also includes the areas “Test and Training”, “Data Management” and the associated “Knowledge Transfer”. The last two being added to respond to the increasing globalisation and digitalisation of agriculture. The aim of the new Spreader Application Center is to offer the customer an even better service concerning fertilising solutions.

With kind regards



Markus Ströbel-Fröschle
Head of Spreader Application Center



Christian Dreyer
Manager



Dr. Justus Dreyer
Manager





FertiliserService with state-of-the-art spreading hall

For research, development and series production support, AMAZONE has build a modern fertiliser spreader test hall. The on-line weigh cells enable the analysis of any spreading test – not only with regard to the lateral distribution, but also regarding the spatial distribution, resulting in big benefits – especially for the development of new fertiliser spreaders. However, this information is also of primary use in perfecting the Switch points within GPS-Switch, the automatic shut-off system.

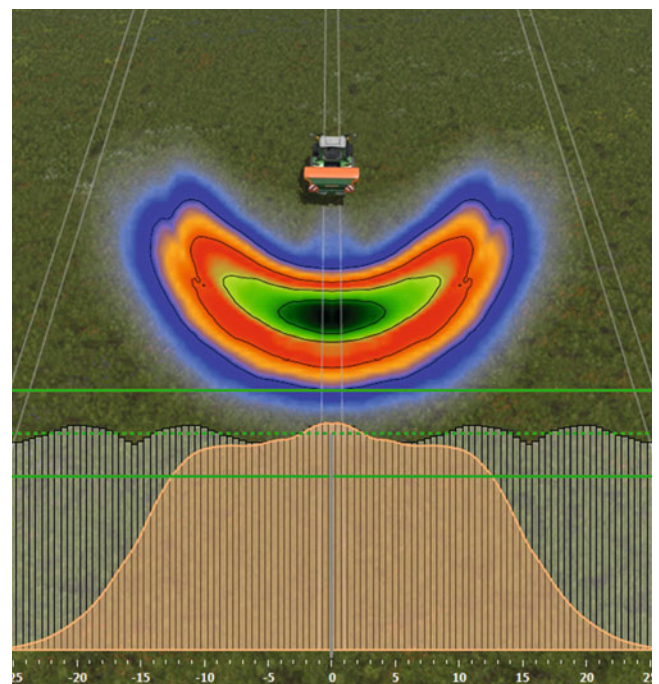
Also when it comes to the measuring system, AMAZONE relies on innovative new technology. The fertiliser spreader is positioned on a rotating platform and is turned on its

vertical axis. With this measuring system, all currently imaginable working widths can be simulated.

The ideal solution to determine setting values for fertiliser spreaders is by spreading in a test hall. However, it is not always possible to provide us with the relevant amount of fertiliser. For this reason, AMAZONE has developed a reliable laboratory test to investigate the physical characteristics of a fertiliser sample based on just five kilogrammes and this enables us to pass on to our customers setting recommendations on the basis of experience and the information gathered.



Precise spreading made easy!



Optimisation of the lateral distribution

Spreader Application Center

Fertiliser laboratory



FertiliserService

Spreading hall



Test and Training



Spreading charts
setting recommendations

Fertiliser manufacturer

Fertiliser samples



Fertiliser laboratory and FertiliserService

To give our customers the best possible assistance in the application of fertiliser and other spreading material, we offer, within the scope of our FertiliserService, a comprehensive advisory network. In most cases the comprehensive fertiliser database already provides the most suitable setting recommendations. Should this not be the case, however, a match for that fertiliser is generated after having been sent a 5 kg fertiliser sample which is then tested in our fertiliser laboratory. FertiliserService is available to our customers at the Gaste (Germany), Auneau (France) and soon also in Samara (Russia) factories. For this we can be contacted not only by phone, e-mail, fax but also via WhatsApp.

Spreading hall

The Spreading hall within the Spreader Application Center is the central 'core' for research, development and the series production support for AMAZONE. If a new spreading material is needed to be included in the spreading chart, it is tested in the spreading hall. In order to be able to update our customers in plenty of time regarding new spreading materials by providing reliable setting recommendations, the Spreader Application Center, moreover, is in close contact with fertiliser manufacturers.



Test and Training

The trend towards constantly increasing working widths and, at the same time, even more precise lateral distribution, requires the necessity to react across a wide range of operational conditions. Therefore, with the areas “Test and Training” we have created a protocol where spreading tests are carried out under real conditions. In addition, this protocol offers the possibility to train still further, customer service staff and other specialists in the operation of the fertiliser spreader and the fertiliser used.

Data management and knowledge transfer

When compiling our spreading charts and setting recommendations, the latest data processing, simulation and analysis tools are utilised. Again, all the information can be incorporated in the development of new machines and systems. The weigh cells utilised in the spreading hall, moreover, enable the analysis of every spreading test, not only regarding its lateral distribution, but also the spatial distribution of the fertiliser. This enables us today, by using further advanced measuring technology and technical developments such as, for example, ArgusTwin, to evaluate the information in such a way that spreading tests can be simulated and optimised via the PC.

FertiliserService: for more than 25 years



Fertiliser laboratory + FertiliserService

1992

Fertiliser laboratory

Since 1992, it has been possible to test spreading materials with regard to their physical material properties in the fertiliser laboratory which has been especially established for this purpose. For this a quantity of around 5 kgs is sufficient. On the basis of the evaluated material data, the sample can be compared against a database of materials where the physical spreading properties of the sample are known.



FertiliserService also via the Internet

1999

FertiliserService – 24 hours access via the Internet

Since 1999 the mainstay of the FertiliserService is the possibility to access setting recommendations on-line via www.amazone.de. The basis is a comprehensive and multi-lingual database which is constantly updated by the latest spreading data for current spreader models. This allows farmers and agricultural contractors worldwide to recall with just a few clicks updated setting recommendations.



Mobile test kit – for even more peace of mind
with unusual types of fertiliser

2003

Mobile fertiliser test kit

For checking the lateral distribution of the fertiliser in the field, AMAZONE developed in 2003 the “mobile test kit for spreaders with AMATRON⁺” which was awarded a Silver Medal at AGRITECHNICA. For the test, 8 or 16 test trays with grid inserts are positioned according to instructions. After having positioned the test trays, 2 or 3 tramlines are driven up and back to take in the overlap. The lateral distribution determined with the aid of the “mobile test kit” is evaluated manually or via the ISOBUS operator terminal.

2009

Most modern fertiliser spreader test hall in the world

An additional milestone was the reopening of the fertiliser spreader test hall in October 2009 for research, development and service support. In the course of the reconstruction, the completely new method of testing, including measuring and evaluation systems, resulted in a variety of further decisive improvements. So, since then, fertiliser spreaders with theoretical working widths up to 72 m can be tested. The capacity has been built up to 100 tests/day. Thanks to a 42 m measuring rig with its 84 collection trays, within which are fitted on on-line weigh cells, it is possible to analyse also the spatial distribution of the spreader. In this way, AMAZONE offers its customers the state-of-the-art service in the area of fertilising technology.



The most modern fertiliser spreader test hall in the world

2011

FertiliserService App is always on hand

As a leading manufacturer of fertiliser spreaders, AMAZONE has had since 2011 the added benefit of the FertiliserService App. With this App, farmers and agricultural contractors can recall the right fertiliser spreader setting values even from their Smartphone and thus directly in the field and are able to find out the settings for the machine immediately on-site. Download and utilisation, both for IOS and also for Android systems, of the App is free of charge. This additional service offering is very well accepted by the majority of our customers.



FertiliserService App

The story of success continues!

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2017

... EasyCheck – digital mobile test kit



Benefits

- + Significant ease when checking the lateral distribution
- + Quick and easy handling
- + Easy, space-saving transport of the flexible collecting mats
- + Automatic evaluation via the EasyCheck App
- + Prevention of over- and under fertilisation zones
- + Documentation of the spreading tests

EasyCheck

Precise spreading made easy

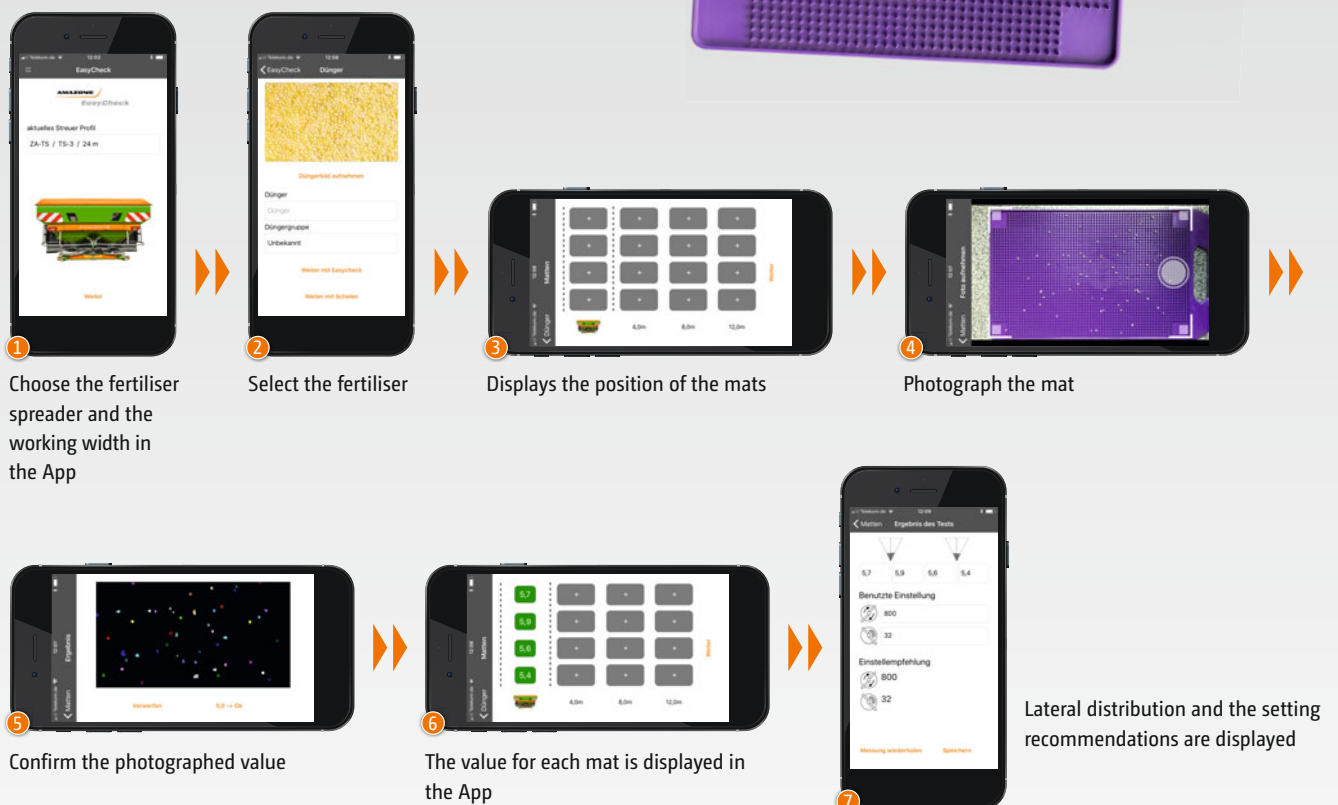


Digital, mobile test kit for the easy optimisation of the lateral distribution

Instead of testing trays, such as those found in the normal mobile test kit, the EasyCheck system consists of just 16 light-weight 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





Spreader check list

Hints and tips when purchasing fertiliser		Tip
What are the options of type, brand and manufacturer available to choose between?	☐	Note the physical spreading properties and the quality
Are these fertilisers mentioned in the current AMAZONE setting charts? Are these materials known to AMAZONE at all? (on-line, App etc.)	☐	Contact AMAZONE FertiliserService, if necessary send in a 5 kg sample
Can the fertiliser be spread at the desired working width with the existing spreader that you have?	☐	If necessary choose an other type of fertiliser
Is the quality sufficiently dust-free, dry and crush resistant?	☐	Ask the fertiliser supplier
Is the name of the fertiliser shown? (manufacturer, place of manufacture, type)	☐	Information supplied by the fertiliser supplier
Are all the physical properties of the fertiliser known? (diameter, bulk density)	☐	Information supplied by the fertiliser supplier or determined for yourself
Is there a current spreading chart available and is the fertiliser to be spread mentioned?	☐	Contact AMAZONE FertiliserService
Has a fertiliser sample be sent prior to the purchase?	☐	Utilise the sent values
Advice for the storage of fertiliser		
Avoid reloading and restacking of the fertiliser. (segregation & damage)	☐	
Use of a dry and clean fertiliser store	☐	
When filling the store via conveyor belts, change the delivery point several times. (to prevent segregation)	☐	
Keep transport routes clean, do not drive into the pile.	☐	
In addition cover and make the fertiliser airtight with a sheet	☐	
Check list for fertiliser application		Tip
Note safety and accident prevention regulations?	☐	Note the operators manual
Are the ambient environmental conditions suitable for spreading? (rain, wind, etc.)	☐	Wait for better conditions
Is the spreader and the spreading system in good condition? (for example; excessive wear on the spreading vanes)	☐	Exchange the parts
Is the spreading disc fitted right for the desired working width?	☐	Fit the right spreading discs
Is the spreader at the correct mounting height and inclination?	☐	Measure and check according to the instruction manual and adjust if necessary
Is the spreader (vanes, disc speed, etc.) adjusted according to the current setting chart and are all the settings entered into the terminal?	☐	Check
Is the border spreading device adjusted correctly? (Telescopic blade, Limiter position, etc.)	☐	Check the setting chart values, adjust if necessary
Is the spreading disc speed maintained?	☐	Matching the tractor output (PTO shaft speed, oil quantity)
Is the spreader equipped with a weighing system?	☐	If not: carry out a calibration test
Has the lateral distribution been checked?	☐	Utilise the mobile test kit or EasyCheck
Have all the requirments of fertiliser application legislation been observed?	☐	Note the fertiliser legislation.
Problems with spreader settings, spreading chart values or lateral distribution?	☐	Contact AMAZONE FertiliserService
Does the problem lie with the electronic controller (i.e. terminal) or with the spreader?	☐	Contact your machinery dealer



Service card

for sending in a fertiliser sample

Information about the sender

Company _____
 Name _____
 Street _____
 Postcode, city _____
 Email _____

Date _____
 Mobile _____
 Phone _____
 Fax _____
 Internet _____
 Agricultural land _____

How should the results be transferred?

☐ Post ☐ Telephone ☐ Fax ☐ E-mail ☐ WhatsApp _____

Fertiliser spreader model:

☐ ZA-M ☐ ZA-M Ultra ☐ ZA-TS ☐ ZA-V
☐ ZA-X Perfect ☐ ZG-B ☐ ZG-B Ultra ☐ ZG-TS ☐ Other _____

Implement number: _____

Available spreading discs:

☐ OS _____ ☐ OM _____ ☐ TS _____ ☐ V-Set _____ ☐ Other _____

Border and boundary spreading device:

☐ Limiter ☐ Tele-Set ☐ Hydro ☐ Telescope _____

Required working widths in metres:

☐ 15 ☐ 18 ☐ 21 ☐ 24 ☐ 27 ☐ 30 ☐ 36 ☐ Other _____

Information about the fertiliser (important, where available):

Trade name _____
 Manufacturer _____ Country of origin _____

Comment:

Sampling should be performed at five different spots, as deep as possible under the surface. Please protect the entire sample (5 kg) from transport damage and send promptly to the following address along with the filled-in Service card:

AMAZONE Fertiliser Service | Am Amazonenwerk 9-13 | D-49205 Hasbergen-Gaste

Processing is free of charge and performed as quickly as possible. The **AMAZONE Fertiliser Service** recommends to always check the setting recommendation, e.g. with a spread rate check and with the mobile test rig.

In case of questions, you can reach us per:

Telephone: +49 (0)5405 501-111

WhatsApp: +49 (0)175 4889573

Fax: +49 (0)5405 501-374

Email: duengeservice@amazone.de

AMAZONE Online Fertiliser Service: www.amazone.de/duengeservice

AMAZONE Fertiliser Service app: www.amazone.de/duengeserviceapp

AMAZONE Service card: www.amazone.de/servicekarte

AMAZONE Newsletter: www.amazone.de/newsletter

☐ I agree that AMAZONEN-WERKE H. Dreyer GmbH & Co. KG may process my personal data (e-mail address) and use it for sending e-mails to inform me about AMAZONEN-WERKE offers. The e-mail address will not be passed on to third parties. I have the right to revoke my consent at any time free of charge, with effect for the future. Revoking the consent will not affect the legality of the processing that has occurred up to the time of revocation due to the consent. In the event of revocation, the e-mail address will be deleted immediately. Revoking the consent can be declared to AMAZONEN-WERKE H. Dreyer GmbH & Co. KG per e-mail at amazone.datenschutz@amazone.de. Moreover, every newsletter contains a link to unsubscribe, which is treated as a revocation of consent. The mandatory information about the processing of your personal data can be found in our privacy statement (www.amazone.de/datenschutz). If you have already agreed to our using your e-mail address, we do not require any further declaration of consent.

MG6313

City, Date

Customer's signature



The exclusive service for users of AMAZONE spreaders

The FertiliserService operates beyond borders, and not only geographically. Because no matter how old your fertiliser spreader is, we will always assist you, competently and reliably.

Contact FertiliserService

FertiliserService
Am Amazonenwerk 9–13
D-49205 Hasbergen-Gaste

✉ E-mail: duengeservice@amazone.de
☎ Phone: +49 (0)5405 501-111
📠 Fax: +49 (0)5405 501-374
📞 WhatsApp: +49 (0)175 4889573

FertiliserService on the Internet at www.amazone.de

On the internet at www.amazone.de you can access our database free of charge 24 hours a day to obtain the latest setting recommendations for lateral distribution and application rates for AMAZONE fertiliser spreaders.

As anApp for Android and iOS systems



Android equipment



iOS equipment



AMAZONEN-WERKE H. Dreyer GmbH & Co. KG
P. O. Box 51 · 49202 Hasbergen-Gaste/Germany
Phone +49 (0)5405 501-0 · Fax +49 (0)5405 501-193