

ZÜRN

H A R V E S T I N G



ZÜRN *D55*



Pneumatic Fertiliser Spreader

Zürn Field Research Technology

Pneumatic Fertiliser Application

Precise fertilising for your research trials.

Pneumatic Plot Fertiliser Spreader

The pneumatic plot fertiliser spreader ZÜRN D55 was developed for the precise application of fertiliser in field research. The ZÜRN D55 is available in different working widths from 9 to 15 m.

Neighbouring plots can be treated with high precision due to its foldable booms and the pneumatic distributing system. The distribution accuracy stays constantly high – regardless of the fertiliser's quality and flight characteristics or other outside influences like wind and slopes.

The fertiliser is precisely metered by feeding rollers into the airstream. The default setting of the application rate is simply done by a calibration test while standing still. The user friendly operating terminal makes it easy to enter a reference weight and the application rate.

The metering of the feeding rollers is dependent of the driving speed – which can be detected by a wheel sensor or by GPS-signal.

Technical Details

- Pneumatic plot fertiliser spreader, 3 point linkage mounted
- Working widths: 9 m, 10,50 m, 12 m, 15 m
- Pneumatic distributing system with foldable booms (hydraulically foldable as option), 16 fertiliser distribution nozzles.
- 2 section controls (right and left) controlled via operating terminal, 3 additional sections per side can be manually controlled.
- Forced metering of granulates by 2 hydraulically-powered cam wheels, automatic calibration test function.
- Application rate 30 - 500 kg/ha (depending on fertiliser) adjustable via the operating terminal.
- Application rate dependent from driving speed therefore the application rate remains constant at all times.
- Capacity 350 or 500 litre, optional with adapter 700 litre; tarp cover.
- Vehicle lighting, transport width 2,50 m.



High Accuracy Application for Plots

Precise metering. Precise distribution. Precise spreading.



◀ For our metering and distribution system we are using reliable and proven standard parts from RAUCH. Two hydraulic driven cam wheels ensure high-precision metering of fertiliser. The fertiliser is accelerated by the air stream and delivered to the distribution nozzles. Based on precise forced metering dependent on the driving speed, the application rate remains constant at all times even at varying driving speeds.

▼ The pneumatic distribution allows precision border application to the neighbouring plots. The self-supporting booms are designed for stability and durability. Hydraulic folding of the booms is also available.

▶ All adjustments like application rate, calibration test, section control (left and right) are set on the user friendly operating terminal. The calibration test is only done on the left dosing unit. The user gets guided by the menu during the calibration test.



◀ Additional section control can be activated manually. For each section 2 cam wheels are getting shut off.

▶ The application rate can also be controlled by the ground speed signal of the GPS-system.



*Zürn Field Research Technology:
developed by practical engineers.*

*Made in Germany - for professional
agricultural research.*



Supporting field research all over the world

Your reliable partner for field research technology.



◀ In 1963 an invention by Dr. Hans-Ulrich Hege revolutionized the world of agricultural field research. The first viable plot combine to ensure seed purity left Hohebuch and conquered every continent. Even today, the Hege System is found again in the equally powerful and reliable plot combine ZÜRN 150, developed further and equipped with all technical possibilities of today. 50 years on from the first Hege unit Zürn is again developing and manufacturing machines at this historical site. So the Hohebuch estate continues to be a reliable partner for research technicians all over the world.



▲ We offer a complete range of products and services for agricultural field research. We at Zürn all work hard and are dedicated to make these products even better and more tailored to your specific needs.

▶ Your demand for service and quality are our everyday benchmark and challenge. Trust in a real partnership with us and benefit from over 125 years of experience in agribusiness and our passion for agricultural machinery.



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