

INNOVATION CHAMPION 2024



**Only when an innovation proves itself in practice
is it genuine and leads to improvements in
day-to-day work.**

**As an innovative manufacturer of agricultural
machinery, AMAZONE has been working hard for
more than 140 years on real innovations and practical
solutions that make your work as a farmer and
contractor easier, reduce costs and protect the
environment.**

**Our agricultural machinery drives innovation in
agriculture to ensure food security for the world.**



Christian Dreyer
Chairman of the Board & Owner



Dr. Justus Dreyer
Chairman of the Board & Owner

Innovations in agriculture, driven by AMAZONE



Driven by EFFICIENCY



ZG-TS trailed spreaders

WindControl

Compensating for the wind effect to maintain a perfect lateral distribution and maximum output for the ZA-TS and ZG-TS.

The innovative TS spreading unit in the ZA-TS and ZG-TS fertiliser spreaders, in conjunction with the AMAZONE WindControl system (according to Prof. Dr Karl Wild of HTW Dresden), generates the perfect spread pattern even in windy conditions. The efficient use of inputs quickly pays for itself - through greater efficiency, better yields and an even more environmentally-friendly approach.

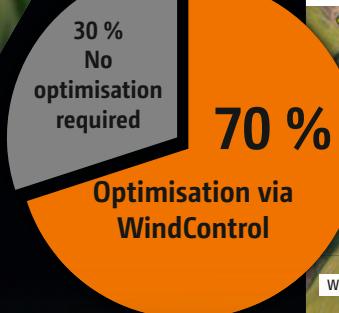
Advantages of Wind Control

- Higher output through longer windows of use
- Increased yield through optimised lateral distribution
- Operational safety via the automatic warning system

WindControl in practice

Results based on long-term trials:

- WindControl improves lateral distribution by 5.6 %
- This means an additional yield of 24 €/ha





AMAZONE

Driven by **PRECISION**



UX Super trailed sprayers

AmaSelect spot

Part-area, site-specific crop protection treatment based on spot application maps for the UX Super and Pantera.

The conservation and protection of natural resources must be carefully balanced with food production needs. Our innovative crop protection sprayers, such as the UX Super or Pantera, make both realistic by using precision agriculture: With AmaSelect spot, plant protection agents are only applied to weeds where they are really needed. This increases efficiency, secures yields and protects the environment.

Advantages of AmaSelect spot:

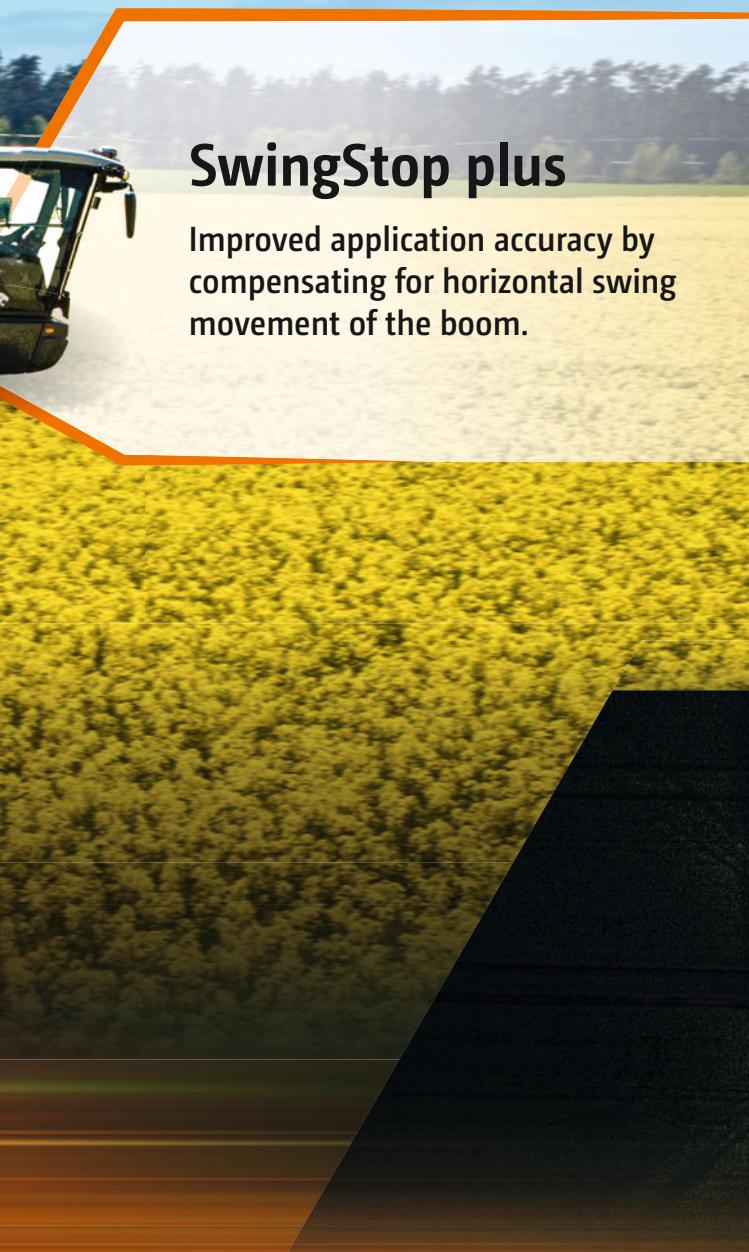
- Reduces the use of plant protection agents by up to 80 %
- Protects the environment
- Minimal residual spray volumes, thanks to exact planning of application rate using the spot application maps
- Prevents resistance, thanks to small-area spot application with 100% concentration of plant protection agent



Driven by INTELLIGENCE



Pantera self-propelled sprayers



SwingStop plus

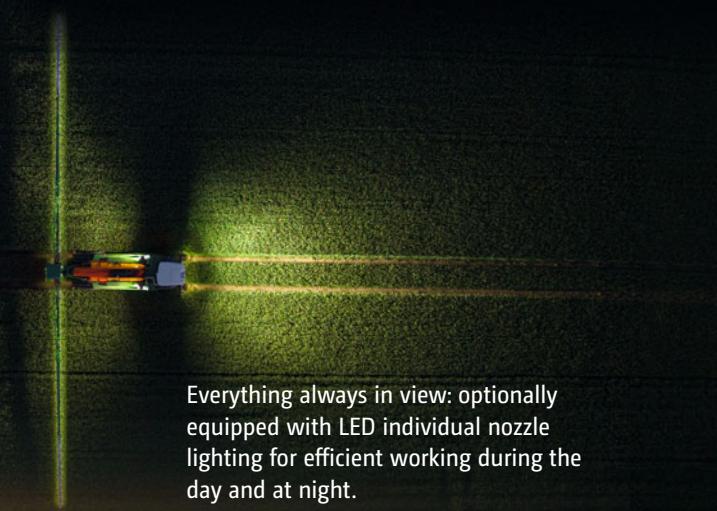
Improved application accuracy by compensating for horizontal swing movement of the boom.



Swing movement of the boom, especially when cornering, can lead to a severe under-application and over-application of crop protection agents. This can result in reduced efficacy, weed resistance or damage to the crop.

SwingStop plus individually eliminates horizontal oscillations in the left and right boom halves by means of a sophisticated hydraulic system on the boom suspension.

Our innovative crop protection sprayers, such as the Pantera or UX Super, ensure the precise application of crop protection agents under all conditions – for the best results.



Everything always in view: optionally equipped with LED individual nozzle lighting for efficient working during the day and at night.



AMAZONE

Driven by **PERFORMANCE**

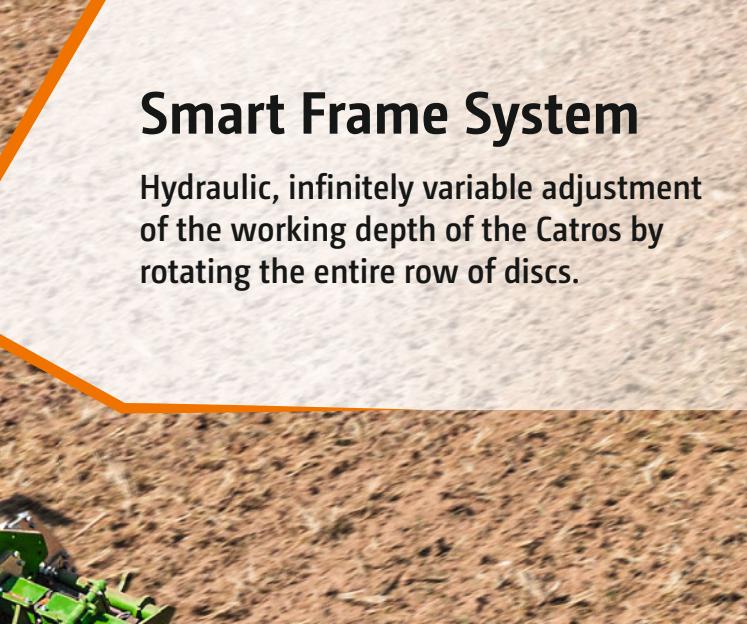


Catros trailed compact disc harrows



Smart Frame System

Hydraulic, infinitely variable adjustment of the working depth of the Catros by rotating the entire row of discs.



Our innovative machinery for soil tillage and seedbed preparation offer maximum efficiency via large working widths and sophisticated components.

The Smart Frame System on the Catros, for example, offers convenient adjustment of the working depth by turning the discs into the soil for shallower or deeper action as required. This is done hydraulically without leaving the cab.

The disc bearing with its face seal and oil lubrication is maintenance-free and lasts a lifetime - less downtime, more work!

Advantages of the Smart Frame system

- ➡ Fully hydraulic working depth adjustment from the cab
- ➡ Convenient for a quick change of the working depth, such as when working deeper in tramlines or on the headland
- ➡ The deeper the work, the greater the through-passage in the machine

Driven by **FLEXIBILITY**



Cirrus 04 trailed cultivator drills



Individual row shut-off

Reduces any over-application of seed and fertiliser in the overlap zone to a minimum and enables flexible tramline control.

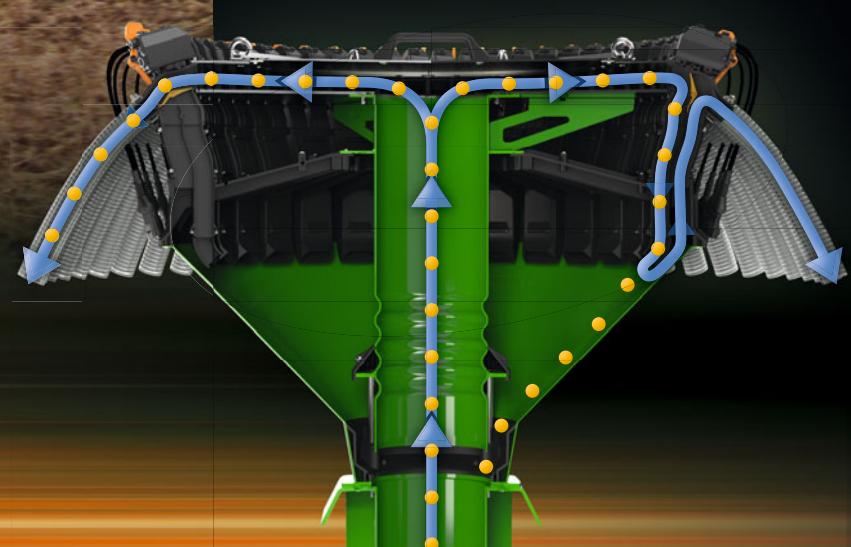
Individual row shut-off for 2 applied materials - seed and fertiliser or 2 different seed types.

Our seed drills stand for precision, flexibility and impact. Innovative solutions from our Cirrus 04 Grand, such as a distributor head with individual row shut-off, make future-oriented arable farming a reality.

Each row can be separately switched. Any overlaps are reduced to a minimum with our individual row shut-off system, irrespective of the shape of the field. This saves seed and fertiliser ensuring uniform plant distribution across the field and vigorous plant development in the overlap zones.

Future-oriented, flexible agricultural practice? This is possible with our Cirrus 04 Grand.

Schematic diagram of the individual row shut-off system within the distribution head of the Cirrus 04. Left: seed pipe open, right: seed recirculates, air escapes through the seed line closed to the seed.



Driven by EFFICIENCY



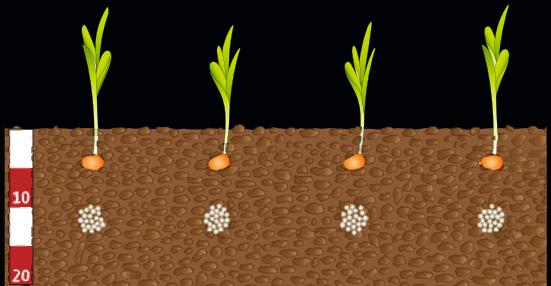
Precea trailed precision air seeders

FertiSpot

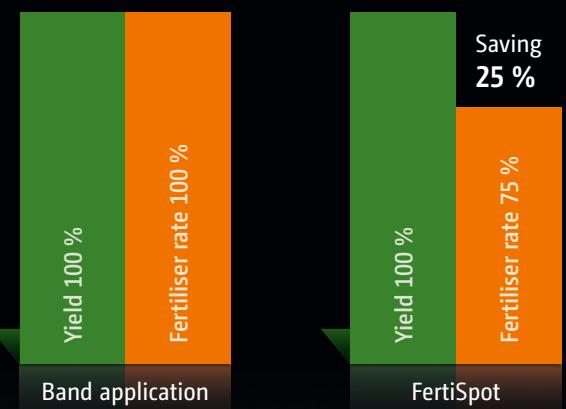
Precise application of fertiliser clumps instead of a fertiliser band for under-root fertilisation reduces the use of fertiliser by 25% yet with 100% yield.

Our innovative Precea precision air seeder takes under-root fertilisation to a new level of efficiency.

With FertiSpot, the under-root fertiliser is concentrated as a fertiliser deposit under the seed in the plant's future root zone. The plant can take up the nutrients better, even in dry conditions. Fertiliser losses due to leaching of unused fertiliser between the rows are significantly reduced, thereby making more effective use of the fertiliser compared to a conventional band application. A 100% yield is obtained with 25% less fertiliser.



FertiSpot under-root fertilisation in maize for optimum nutrient uptake



Yield of grain maize with the full fertiliser rate applied in a band or at a reduced fertiliser rate using FertiSpot in 2023

(with 14 % moisture content [dt/ha])



AMAZONE

Innovations for agriculture, food for the population.

Illustrations, content and technical data are not binding and may differ depending on the level of equipment. Country-specific road traffic regulations apply and must be complied with, meaning that special approval may be required. The permissible axle loads and total weights of the tractor should be checked. Not all the listed combination options are possible with all tractor manufacturers.



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