



NEWS / CROPS / CROP PRODUCTION

Perfect Planter? AGCO Uses Blank Canvas to Paint New Planter Design

AGCO unveiled its first ever Fendt branded planter for this week. With a new toolbar concept and packed with Precision Planting technology, the company says the planter could change the way farmers think about planting.

TYNE MORGAN • September 20, 2022 09:14 PM

This website uses cookies to enhance user experience and to analyze performance and traffic on our website. We also share information about your use of our site with our social media, advertising and analytics partners.

Cookie Settings

Accept All Cookies



AGCO's new FENDT Momentum planter includes a vertical contouring toolbar that hugs the ground and moves, shifts with hills and other changes in farmland. (AGCO)

This website uses cookies to enhance user experience and to analyze performance and traffic on our website. We also share information about your use of our site with our social media, advertising and analytics partners.



company didn't base its new design off of an existing product, AGCO told Farm Journal the engineering team was able to start with a blank canvas, painting the perfect planter design.

"This was truly an exciting project," said Rex Schertz, engineering manager for seeding and tillage at AGCO. "Very rarely in an engineer's life do you get a start from just a blank sheet of paper."

Changing the Way Planters Move

Schertz said the company came up with a North American design and then a South American design, based on requirements with seed spacing and row spacing constraints. Once that piece of the puzzle was set, the engineering team unlocked the potential to change the way farmers plant, and the way planters move.

"We moved the toolbar back, but then there's also the problem that somehow this has to match the ground it goes up and over," explained Schertz. "That's where that contouring toolbar came in, and that was really the heartbeat that started this all out."

What Schertz calls the heartbeat is a toolbar that hugs the lay of the land. He said AGCO found one of the biggest

This website uses cookies to enhance user experience and to analyze performance and traffic on our website. We also share information about your use of our site with our social media, advertising and analytics partners.



even if you do, you're not going to hit all the spots in the ground.

Changing the Way Planters Plant

Alex Lundgren, product manager for seeding and tillage at AGCO, says the contouring toolbar includes sensing technology that will help the planter adjust to hills, valleys and varying soil types in the field while the planter is on the go.

"The Momentum planter has a primary and secondary toolbar," he said. "What this does for us is it allows us to sense the rows where the parallel linkage is in relation to the row unit, and we're able to automatically adjust that to ensure that the row unit is at the optimal position to plant that seed, so you're getting that even emergence every time."

The vertical contouring toolbar also comes with Precision Planting technology, which Lundgren says helps with precise seed placement.

This website uses cookies to enhance user experience and to analyze performance and traffic on our website. We also share information about your use of our site with our social media, advertising and analytics partners.



“For the compaction management, it helps a grower with its intelligent load logic system, which has weight transfer, as well as tire inflation system,” explained Lundgren. “That– combined with the inline tandems—all work together in conjunction to automatically ensure that we are minimizing the compaction to your field.”

“There’s an in-line tandem up front,” explained Schertz. “You have one tire stacked in front of the other so you’ll get that load distribution that you get with tracks, but yet you get the high speed advantages that you get with tires. And then when we did that, we also put a load spindle on every axle.”

He said the weight of a planter, and the load a tire has to carry, is often what ruins tires quickly.

“We looked at that and we looked at the speed, we looked at the weight and we automatically inflate that tire to be at the optimal to reduce compaction as we go throughout the field,” said Schertz. “That’s something that you don’t have to worry about with this planter. We take care of all of that for you.”

This website uses cookies to enhance user experience and to analyze performance and traffic on our website. We also share information about your use of our site with our social media, advertising and analytics partners.



Longer Planting Window/Times

AGCO told Farm Journal there were two main goals with the planter: 1) minimize stress and 2) help farmers make more money. Shertz says when it comes to planting, it's all about timing, and the amount of time it takes to make multiple trips across the field faster. He thinks the automation on the new planter will help farmers plant longer, and more precise, without stopping down.

"How we really addressed that is we made automated systems," he said. "We have sensors on this planter, that the farmer doesn't have to stop, set the planter, and then get out of the tractor. We have sensors that are really taking care of all of that for them.... We really just tried to take and make it as simple as possible. There's a lot of complicated stuff that happens back here, but to the farmer, he or she are sitting up there with just a very simple user interface and very intuitive so they can just go."

Being able to "just go" is something Lundgren said was an important factor in the new planter design, which includes a larger liquid fertilizer tank and twin seed tanks.

This website uses cookies to enhance user experience and to analyze performance and traffic on our website. We also share information about your use of our site with our social media, advertising and analytics partners.



Conerz said starting with a blank canvas came with a lot of opportunity to create something O.C. agriculture has never seen before, but it also came with some challenges.

“The problem with a new design is you don’t know what you don’t know,” he said. “You may create problems that you haven’t really seen yet. The advantage we truly had was since this was a global project, we’ve had a lot of these planters running in South America first. So, we have a reliability now that we’re now releasing it in North America, which normally doesn’t get to happen with a blank sheet of paper.”

AGCO says the new Fendt Momentum planter will be unveiled to the public at Commodity Classic in February. The company plans to start selling the new planters this summer.

Planting

Planting Equipment

Corn

AGWEB DAILY
the trusted news source
for 170,000+ farmers



Subscribe now to get the most reliable

This website uses cookies to enhance user experience and to analyze performance and traffic on our website. We also share information about your use of our site with our social media, advertising and analytics partners.



[To view Farm Journal's Privacy Policy, click here](#)

LATEST NEWS



OPINION

As Farmers, it is Important and Good to Stand Up and Defend the Future of Agriculture

Paying an inheritance tax in many cases would require selling acreage or even dissolving a farm that goes back centuries.

Global Farmer Network • December 11, 2024 11:51 AM



USED MACHINERY

Why Buying Used Equipment Could Make Sense This Year

Fleet industry veteran Todd Welle joins the Top Producer podcast to share some smart purchases he's seeing farmers make.

Cheyenne Kramer • December 11, 2024 10:36 AM

This website uses cookies to enhance user experience and to analyze performance and traffic on our website. We also share information about your use of our site with our social media, advertising and analytics partners.



PRO FARMER ANALYSIS

Ag Details in EU/Mercosur Trade Deal

For the ag sector, Brazil is positioned to be the big winner and France the big loser.

Pro Farmer Editors • December 11, 2024 07:00 AM



OPINION

December WASDE – A Win For Corn Bulls

The December WASDE report sent nearby March corn futures rallying to multi-week highs following a surprise cut in ending stocks and bolstered domestic export projections.

This website uses cookies to enhance user experience and to analyze performance and traffic on our website. We also share information about your use of our site with our social media, advertising and analytics partners.



Large-scale family farms (GCFI of \$1,000,000 or more) accounted for 48% of the total value of production and 31% of agricultural land in 2023.

Margy Eckelkamp • December 10, 2024 02:38 PM



MARKET ANALYSIS

Grains End Higher After Bullish USDA Report for Corn: How High Can Corn Prices Go?

Darren Frye, Water Street Solutions, says grains close higher after the WASDE and USDA's surprise cut in corn ending stocks by 200 million bushels.

Michelle Rook • December 10, 2024 01:57 PM



AG ECONOMY

Navigating Trade Wars, Tariffs and More in the New Year

Some economists think agriculture is in a recession. Arlan Suderman, chief commodities economist for StoneX, is one of them. However, he believes comparisons to the 1980s are misguided.

Jack Heffron • December 10, 2024 01:55 PM

[Read More](#)

This website uses cookies to enhance user experience and to analyze performance and traffic on our website. We also share information about your use of our site with our social media, advertising and analytics partners.



TRENDING NEWS

MARKET ANALYSIS

USDA Shocks The Market With Lower Corn Ending Stocks

December 10, 2024 11:56 AMMICHELLE ROOK ·



NEWS

One Montana Farmer's Conservation Solution: Get Back to His Prairie Roots

December 10, 2024 08:21 AMJAMIE SEARS RAWLINGS ·



This website uses cookies to enhance user experience and to analyze performance and traffic on our website. We also share information about your use of our site with our social media, advertising and analytics partners.



AD\

FARMLAND

Heart of Gold: Illinois Farmer Protects WWII Secret for 70 Years

December 10, 2024 07:51 AMCHRIS BENNETT ·



OPINION

Grain and Livestock Markets Mixed to Start the Week Ahead of Tuesday's WASDE Report

December 09, 2024 03:35 PMBLUE LINE FUTURES ·



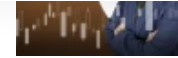
PRO FARMER ANALYSIS



This website uses cookies to enhance user experience and to analyze performance and traffic on our website. We also share information about your use of our site with our social media, advertising and analytics partners.



DECEMBER 09, 2024 02:37 AMMICHELLE ROOK



MARKET ANALYSIS

Grain and Cattle Markets Try to Extend Gains Monday

December 09, 2024 09:38 AMMICHELLE ROOK •



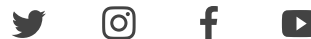
OPINION

Corn And Bean Prices Continue To Go Nowhere

December 09, 2024 09:36 AMJON SCHEVE •



FOLLOW AGWEB



This website uses cookies to enhance user experience and to analyze performance and traffic on our website. We also share information about your use of our site with our social media, advertising and analytics partners.



 GET NEWS & MARKETS APP

VIDEO & PODCASTS

[U.S. Farm Report](#)

[AgDay](#)

[AgriTalk](#)

[Markets Now Podcast](#)

[Machinery Pete TV](#)

[Unscripted Podcast](#)

[Grow Getters Podcast](#)

[The PORK Podcast](#)

[The Scoop Podcast](#)

[Farm Journal YouTube](#)

This website uses cookies to enhance user experience and to analyze performance and traffic on our website. We also share information about your use of our site with our social media, advertising and analytics partners.



MARKETPLACES

[Drovers](#)

[The Scoop](#)

[The Packer](#)

MARKETPLACES

[Cattle Exchange](#)

[Machinery Pete](#)

[Produce Market Guide](#)

Learning

[ProduceEDU](#)

[Events](#)

COMPANY

[About Farm Journal](#)

[Subscribe Now](#)

[Farm Journal Foundation](#)

This website uses cookies to enhance user experience and to analyze performance and traffic on our website. We also share information about your use of our site with our social media, advertising and analytics partners.



© 1995 - 2024 Farm Journal, Inc. All Rights Reserved. This material may not be published, broadcast, rewritten, or redistributed.

[Terms & Conditions](#)

[Privacy Policy](#)

[Do Not Sell or Share My Information](#)

[Limit the Use of My Sensitive Personal Information](#)



All market data delayed 10 minutes.

This website uses cookies to enhance user experience and to analyze performance and traffic on our website. We also share information about your use of our site with our social media, advertising and analytics partners.