Case IH trendsetter: A firework display of innovations, efficiency boost and top design

An explosion of innovation, efficiency and development of modern design has occurred in one of the biggest fairs of agricultural machinery: Agritechnica in Hanover (Germany). The multinational company has filed Quadtrac 2016, the Axial-Flow 140 new cleaning system with Cross-Flow and optional transmission caterpillars in the front in the models 6140 and 7140. In addition axis, has shown updates on the Axial-Flow 240 series optimized flow giant bales thanks to the new ISOBUS software, the system easy to use precision AFS 700 and a new Optum CVX tractor series.

Technical agricultural trends and standards are often built on Case IH innovations. This applies to the Original – the Case IH Quadtrac – which not only defines the standard in terms of traction and soil conservation, but now also features an additional 'Efficiency boost'. The same applies to the Axial Flow® –The 140 series with the new Cross Flow cleaning system and optional tracked drives on the front axle on the top two models. And this also applies to the brand-new Case IH Optum CVX tractor series: the trendsetter for the optimum combination of compact dimensions, maximum power, agility and versatility including an outstanding power-to-weight ratio.

"As the world's largest trade fair for innovative agricultural technology, Agritechnica is a particularly important event for us. Again in 2015, we are particularly looking forward to of had the opportunity to present not only eye-catching new developments including the Optum CVX, but also key developments and innovations on tried and tested models. This year, in addition to the Quadtrac and the Magnum Rowtrac, our 140 and 240 series also feature optional tracked drives: a clear indication that Case IH is forging ahead as 'Leader of the Track' in the key area of soil conservation", says Andreas Klauser, Brand President Case IH.

Case IH Quadtrac: Efficiency boost for 'The Original'

With its four independent tracked drives, the Case IH Quadtrac has been setting a growing trend since the first prototype hit the market in 1992 and is now an integral part of strategies for improving traction and reducing compaction. Case IH is the 'Master of the Track!' Now 'The Original' features additional improvements. With increased transmission efficiency rating of between 2 and 5% and approximately 40% faster shuttle compared to the 2015 model year, the Quadtrac has made a 'flying start' into the new model year. This has also been made possible by features including new steering enabling fewer rotations until full lock in the field, the new automatic differential lock for the front and rear axles and comprehensive new lighting options, enabling safe, efficient and precise work even when it's dark.

Harvesting technology taken to a new level: Axial Flow 140 series

Near zero grain losses – a feature of the new Axial Flow 140 series, with further improvements to power, user-friendliness and reliability. The Cross Flow slope compensation feature, automatically compensates for up to 12° inclines, without driver input. For maximum efficiency, the system is only activated when it is really needed. Numerous customer requests have been integrated into the 2016 model year. For example, improved details, including the ease of adaption from swathing to straw chopping leading to improved work results. A particular highlight is the optional 'F-type tracked drive from Zuidberg Tracks®, a rubber track drive manufacturer based in the Netherlands. The rubber tracks were developed for Case IH for the 140 models with a new final drive. This way, Case IH is reinforcing its commitment to providing further improvements and direction to soil conservation solutions.

Axial Flow 240 series: With efficiency and productivity plus

240 series models also turn heads with improved productivity and efficiency. Changes to the straw spreader ensures improved distribution of residue over larger cutting widths. This can be monitored and changed from the comfort of the cab to adapt for varying wind and crop conditions. Further updates to the 2016 model year, allows the standard unloding system tobe equipmennt with the pivoting unloading spout for precise and simple unloading of the grain tank.

LB series large square balers: Optimum baling speed with the ISOBUS III

For consistently high productivity levels, the Case IH LB 424 and LB 434 rotor cutter large square now influence the tractor's speed via the latest ISOBUS software. This means the 'Filling control' can be optimised, i.e. the time required to fill the pre-bale chamber. The 'layer thickness control' can simultaneously optimise bale density, i.e. a constant number of layers can be entered for a preselected bale length. This enables higher outputs and potential fuel savings. In models without rotor cutters, only layer thickness control can be optimised.

AFS innovations: Planned, specific and user-friendly!

The Advanced Farming Systems (AFS) from Case IH has not become a trendsetter in agricultural technology by chance. The products available range from operational planning and management of field record systems via yield mapping, application maps, repeatable guidance lines with 2.5 cm accuracy from swath to swath and from year to year through to the various options offered by AFS Connect telematics. The total package demonstrates the role now played by Case IH in precision agriculture – and the role now played by precision agriculture in everyday operations.

The innovations on show at Agritechnica include the AFS Pro 700 monitor which, in conjunction with the new ElectriSteer universal steering motor, which can also be retrofitted to earlier models. The monitor now also permits data to be displayed in ISO XML format; data exchange is also facilitated as a result, now making Shape File Format editing possible, through which information on field boundaries, guidance lines and variable rate application maps for fertilising and sprayer is frequently provided from external partners. Another small, yet practical detail is also that the work screens, instead of displaying 'Run 1 to Run 6' can now be customised and individual names including 'GPS', 'ISOBUS' or other names can be entered.

Optum CVX: The Case IH response to customer requirements in Europe

It will be compact, versatile, agile and powerful, with multiple load and ballast options: nimble and generally all purpose like the Puma, but with an obvious advantage in terms of engine power, virtually as high as the Magnum category. The engineers at Case IH have designed and developed such a tractor: the Optum CVX. The first series-production tractors have being rolling off the production line at the St. Valentin site in Austria since September. They offer 270 or 300 hp, with four speed PTO at the rear as standard and optional dual speed front PTO, a new four-step CVT transmission and impressive traction. The engine block's 'structural sump' is only one of the outstanding technical features to be found on the new Optum CVX. "In addition to all the technical refinements and innovative features on this new series, we also remain captivated by these tractors' newly developed design. Initial feedback from dealers and customers is proof that we have hit the bull's-eye," says an enthusiastic Dan Stuart, the relevant Case IH Product Manager.?