

Case IH at Agritechnica 2013

Efficient Farming – new tractors, harvesting technology and Case IH solutions for precision farming

– Case IH launches a whole range of innovations in exhibition hall 5

Case IH stand in exhibition hall 5, stand B15, will be the top meeting point for everyone interested in efficient and economically viable solutions / More than 20 top innovations / Case IH presents two class-strongest tractors

Hannover, 10.09.2013

“Efficient Farming – tractors, harvesting technology and precision farming solutions for tomorrow’s agriculture” – is the motto for Case IH at this year’s exhibition and information display at the Agritechnica. On this occasion, the manufacturer of agricultural machinery will present a vast range of new products and services as yet unequalled in the company’s history, including five new tractor series which are presented at Agritechnica for the very first time.



This year, however, there is more in hall 5 than just innovative tractor and harvesting technology. The exhibition includes new solutions for precision agriculture and a diverting mix of information and entertainment on issues currently of high interest for farmers: these issues relate to the latest fuel-saving engine technology, to innovative financing solutions and synergies that develop within FIAT Industrial – offering growing benefits also for farmers”, explains Alfred Guth, communications manager at Case IH and responsible for the trade show presentation.

VIP-programme and new service- and dealer-arena

Different key topics which address special groups complete the information programme. There are special contact persons, guided tours and other special exhibition offers for example for machinery contractors, students or school groups.

One further key topic covers the new range of services offered to Case IH customers. New online offers – such as the new Case IH-app, the latest generation mobile service vehicles and new tools for quick diagnosis – are focal points of the exhibit in the “Case IH service- and dealer-arena”, presenting information for the first time on the dealers’ service offer on 300 square metres.

On Thursday 14 November will be dedicated to young farmers; they can catch up on career opportunities at Case IH in the “Recruiting Café”. Experts from the Human Resources Departments present information on education, career entry, practical training and research opportunities at Case IH and the FIAT Industrial Group.

Furthermore, Case IH will be sponsor of the Young Farmers Party in the TUI Arena. Also for the first time there will be a quiz particularly for children at the stand.

On Friday 15 November and Saturday 16 November, there will be particular focus on workshops related to precision farming.

Fan-mile and experts-meeting „engine technology“

In yet another first, Case IH will present a fan-mile with the Case IH fanshop taking centre stage. In addition to the new Case IH models, the new collection 2014 which stands out in terms of innovative protective clothing and leisure wear, will be presented.

In cooperation with FIAT Industrial engine manufacturer FPT, there will also be a special exhibition on latest engine technology with innovative exhaust purification technology – the High SCR-System. Engine developers present information on the state-of-the-art engine generation such as the Cursor 13 and equally offer insights into the future development of engines for tractors and combines.



Case construction equipment – solutions for agriculture

Construction equipment is also a true first timer at the Case IH stand. “In this section, we present the expanded field of competence of FIAT Industrial with regard to construction equipment for example. The market for wheel-type loaders and telehandlers as well as small versatile multi-purpose loaders within agriculture continues to grow. Case IH now offers interesting solutions which are excellent to further complete our portfolio of agricultural equipment”, continues Guth.

Finances Meeting-Place with „exhibition conditions“

The information offer is completed with the Case IH Finances Meeting-Place. Farmers can obtain information on favourable financing solutions, current early-buying options and new offers with regard to machinery insurances, and can benefit from special “exhibition conditions”.

Firework of innovations in the tractor-programme

With regard to the tractors on display, two new high-horsepower tractors – Quadtrac 620 and Magnum CVX – will be clear highlights. With these machines, Case IH presents two tractors which are the most powerful in their respective engine power-class world-wide. The Case IH Magnum CVX is the most powerful standard tractor, and with the Quadtrac 620, featuring a maximum of 620 or 700 horsepower respectively, Case IH presents the most powerful current series-produced tractor.

Case IH TV provides live coverage

“For those who want to experience our exhibition highlights virtually in real time from their homes, we also offer a web-TV this year. We will present innovations and lots of professional live information from the exhibition. Farmers as well as equipment experts will have their say”, adds Guth.

Information on the display at the exhibition will be available in advance on our special Agritechnica webpage at www.caseih.com and via Facebook (Case IH).



Overview of top technology innovations:

The new flagship class – the new Steiger and Quadtrac series

With the 2014 series, Case IH presents the latest generation of Steiger and Quadtrac tractors, including the new models Quadtrac 540, Quadtrac 580 and the new top-of-the-range Quadtrac 620, with a power rating of 628 hp and a maximum power output of 692 hp. As a result, the new Case IH Steigers and Quadtracs are the most powerful series production tractors in the world. In addition, they deliver a torque of almost 3,000 Nm and have a tare weight of 25 tonnes.

All new Steiger and Quadtrac models are powered by FPT Industrial Cursor 13 engines. This 6 cylinder power source, with a capacity of 12.9 litres and two intercoolers, enables a significant improvement in the thermal efficiency of the engine, without compromising the tractor's pulling power with a torque of 2,941 Nm.

The new engines equipped with the unique Hi-eSCR technology and therefore having optimised combustion, continue to secure the pole position in fuel efficiency for Case IH. This patented technology not only ensures excellent cost-effectiveness but also a NOx transformation efficiency of 95 percent – compared to between 80 and 85 with other systems.

With Efficient Power the exhaust treatment stage is performed outside the engine by a separate SCR-only system. More power, lower fuel consumption and enhanced reliability are achieved as a result.

The new Maxxum CVX

For Agritechnica 2013 Case IH extends the Maxxum series with three new models with continuously variable transmission. The Maxxum 110 CVX, 120 CVX and 130 CVX represent the very latest all-purpose tractors for the widest range of tasks featuring powerful engines and comfortable cabs.

The Maxxum CVX models are equipped with proven CVX transmissions with double-clutch technology.

These transmissions operate completely continuously between zero and 50 kph and offer outstanding overall efficiency in two mechanical operating ranges.

Hydraulic power is available uniformly across the whole speed range of the tractor and requires less than 25% of total power output. 50 kph Eco Speed is achieved at a reduced engine speed of 1,750 rpm (40 kph at 1,600 rpm).

The gear change between the two operating ranges takes place automatically using the double clutch. The double-clutch technology ensures that frictional losses are minimised for maximum efficiency. Maxxum CVX tractors are also equipped with Case IH Automatic Productivity Management (APM), a system already proven highly effective with the larger Case IH tractors. APM automatically reduces engine speed if less power is currently required.

The new Maxxum CVX tractors are powered by rugged engines with turbochargers and intercoolers. These 4-cylinder engines have a capacity of 4.5 litres and all models feature electronic common rail injection. The engines deliver a real power boost – ten percent higher performance at a reduced engine speed of 1,900 rpm. This enables a noticeable reduction in fuel consumption.

Professional round baler with fixed chamber

The new RB 544 is a professional fixed chamber round baler with compression roll system. Case IH is extending its series of round balers with a range designed especially for the increasingly high specification demands of large dairy farms and contractors. The high performance fixed chamber baler, which will be available for the 2014 season in three models, features the new CRS compression roll system. In addition to the standard version, Case IH offers the Silage Pack HD variant, aimed particularly at the needs of contractors and featuring tandem axles and active bale chamber control for even higher density, and the RB 544 Silage Pack, both models featuring a combined netting and film wrapping system.

New baler with variable compression chamber

Particularly for the efficient harvesting of straw and green forage or silage, Case IH has developed a new round baler with a variable compression chamber, available from January 2014. The new RB series consists of two models – the RB 455 and the RB 465, which form bales 1.2 wide and between 0.9 and 1.5 metres in diameter (RB 455) or between 0.9 and 1.8 metres in diameter (RB 465).

Both models can be supplied with an optional rotor feeder and cutter rotor. As a result, the new RB 455/465 can be adapted to different operating requirements.



The way RB 455/465 balers work is to use a combination of flexible belts and compression rollers. Equipped with the new high-performance pickup and rotor, output is greatly increased.

New large square baler series

A unique design, a considerable increase in efficiency and numerous innovations characterise the newest generation of large square balers from Case IH: the LB 4 series. The range offered in Germany consists of three models –LB 334 (bale dimensions 80 x 90 cm), LB 424 (120 x 70 cm) and LB 434 (120 x 90 cm). On the new LB series virtually all key component areas have been revised or in part redeveloped. These include an extremely rugged central frame and a new pickup and rotor system for efficient crop gathering. Case IH development engineers have kept some of the proven components from the previous LB series, including the extremely reliable double knotter system.

More efficient threshing! – Combine innovations

Case IH unveils new features on its legendary Axial-Flow® combines for the 2014 season, including the optimised cleaning system, a higher conveying capacity for the cleaned grain and the new folding auger with an industry-exclusive pivoting spout option, helping to make these high-output machines even more productive. The new design of the cabin and the in-cab adjustment of the chop to windrow mode increase operator comfort and allow for high productive days in the field.

The optimised cleaning process starts with a more effective channelling of the wind. In combination with a steeper angle of the bottom below the lower sieve and the larger clean grain cross auger, the cleaning performance is particularly improved in moist conditions for corn and cereals. The inlet to the grain elevator has been enlarged and a rear support plate added to the elevator paddles for conveying an increased volume of grain. The Grain tank filling auger has also been adapted to the higher capacity of the cleaning system, all adding up to an all-round suitable concept to increase productivity.

In addition to other features, the new cab is equipped with a slim Multifunction Propulsion Handle, redesigned to put all key controls within a finger's reach. There is also an upgraded right-hand console with ergonomic controls and a slide rail that allows for comfortable adjustment of the AFS display, a holder for a cup and office items. Multiple convenient storage locations have been added featuring brushed-chrome styling in the luxury cab version. Operators can stay tuned in and connected on the go with an iPad or iPod plug-in, and a co-driver's seat opens to reveal a convenient, portable electric refrigerator to keep food and drinks cool.

Straw discharge can now be controlled from inside the cab. Differing options can be selected at the push of a button: distribution of chopped material across the full working width, discharge of chopped material in a swath (for instance for balers without rotor cutter), spreading of unchopped straw for faster drying as well as discharge of unchopped straw in a swath.

In order to make storage, road transport and unloading on the move easier and safer also with wide headers, Case IH has introduced new options with the extremely effective 8.8 metres foldable unloading auger system.

The operator controls outward and inward folding of the auger with a simple switch in the cab roof; folding happens quickly and reduces the length of the combine for road transport and storage.

The new 8.8m auger option folds out to a 95 degree angle for best visibility when unloading, access to the rear service deck is unaffected when folded, and the auger lies within the width of the combine side panels. The 8.8m auger system is indispensable for all combines with 12m or wider headers.

The new industry-exclusive pivoting spout option is available for all high capacity unloading auger lengths. It allows the operator to comfortably adjust the grain stream from inside the cab: and bring the spout into the correct position. The tractor-grain trailer combination no longer requires repositioning relative to the combine.

Case IH innovations for Precision Farming

Better on track – New correction signals and services for the Case IH Advanced Farming System

Case IH now offers RangePoint™ RTX™ and CenterPoint RTX™ correction services in Europe / Cost-effective entry level guidance systems now available / Case IH xFill™ is a new service that bridges RTK signal downtime for up to 20 minutes



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Case IH now offers interesting innovations in Advanced Farming Systems for all Case IH tractors and harvesting machines. These include new correction data and a new service that extends conventional RTK positioning data for several minutes if the RTK correction data stream should become temporarily unavailable. This system greatly improves the functional reliability and performance of auto guidance systems.

Case IH RangePoint RTX –

ideal for new users and all working widths

RangePoint RTX is a new and highly reliable correction system available right now for Case IH tractors and combines with a maximum pass-on-pass deviation of just 15 centimetres and a repeat accuracy of 50 centimetres.

As a result, this correction signal is ideal at cost-effective entry level for assisted steering and automatic guidance systems and applications using different working widths.

The RangePoint RTX signal is GNS-compatible so that GPS and Glonass satellite signals can be used with Case IH AFS372 receivers and FM750 or FM1000 monitor screens.

A key advantage in the field is that full accuracy can be achieved in less than five minutes.

In addition, RangePoint RTX correction data is available via satellite throughout Europe.

If the correction signal is not available – due to shadowing for example – AFS systems with RangePoint RTX continue to operate automatically for up to two minutes. This ensures that continuous operation is possible in the field.

Special hardware – such as modems or new receivers – is not required.

Moreover, Case IH offers RangePoint RTX free-of-charge in the first year. Entry-level Precision Farming is now a great deal more attractive for farmers in Europe - especially thanks to a guidance precision of 15 centimetres.

Case IH CenterPoint RTX –

guidance accuracy and repeatability of four centimetres possible without reference station

CenterPoint RTX is the 'big brother' of RangePoint RTX. Based on the same technology – known as absolute positioning – CenterPoint RTX increases positioning accuracy to below four centimetres.

This service is also compatible with the new AFS372 receiver as well as FM750 and FM1000 monitors. CenterPoint RTX can also use GPS as well as Glonass satellite signals. With an active CenterPoint RTX subscription, farmers also receive free-of-charge access to Glonass satellite signals. The additional Glonass signals improve reception quality even further for even more precise positioning. A base station is not needed when using CenterPoint RTX. Owners of compatible AFS monitors can easily make use of the new signal by updating their equipment firmware and requesting an activation code from their Case IH dealer.

Case IH xFill makes RTK technology even more reliable

Case IH xFill is a new service for all Case IH Advanced Farming System (AFS) users, which makes RTK positioning data available for several minutes, even if the RTK correction signal is lost due to shadowing or mobile communications issues.

Using new xFill technology, RTK standard signals are supported during downtime if the GSM correction data network is overloaded or the receiver is shadowed from RTK signals.

The new xFill function becomes available as soon as the RTK signal is lost. Because there are no delays, work can continue uninterrupted. In the field, it is thus possible to bridge any failures in mobile communications and internet networks, which are the main causes for losing RTK correction data.



For xFill to become active, it is not necessary to have received RTK signals for a specific period beforehand. xFill is ready for action immediately after the first start signal and can bridge RTK signal loss up to 20 minutes from the first second of signal failure.

Work can continue uninterrupted thanks to the seamless availability of positioning data. The AFS equipment is supplied with data of suitable accuracy by xFill for up to 20 minutes. As a result, sporadic reception of RTK signals will no longer have an influence on the work in progress in the field. This means less downtime and considerably more productivity.

A software update of AFS monitors and receivers is required to make use of Case IH xFill.