John Deere makes significant advances in their harvesters

During a conference held in San Cebrián field of Mazote (Valladolid), John Deere Iberia **has announced significant advances introduced in their harvesters of the W, T and S series. These developments represent significant improvements in the performance of vehicles in collection efforts, resulting in a considerable saving of time and energy for the farmer.**

In addition to inform about the many technological innovations of this firm of agricultural machinery to consolidate and expand its presence in the Spanish market, these days of four intense days of work, served to some 150 professionals, mostly maquileros from different points of the Spanish geography, could check further improvements in John Deere.

According to statements for ECA of the Manager Sales, Division A of John Deere, Eduardo Martinez de Ubago, have totally renovated the W and T series. "The only thing that does not change is the sticker, we improved all systems," insured. Among its main technological achievements, Martinez Ubago highlight as the most important points:

• **Large increase train capacity separation of the T series** of tangential diameter rotary

separator 600 mm to 660 mm in diameter reaching first 4 m2 of active separation increases.

• **Complete renovation of the box screens:**

o Increase of 41% of the surface of sieves
o Redesigned

o New materials ... or for the first time a crate of aluminum screens with more strength, more precision and less weight (200 kg less)

• **New exhaust system with 125 l / sec real.**

• **Redesigned straw chopper:** *changes in the envelope and the Bedknives to achieve the same capacity chopped with lower power consumption (and fuel)*

• **New rear axle with more traction and greater angle of rotation.**

• **Rubber bands in almost all models and 40 km / h.**

• **Reinforced reliability:**

o feederhouse 50% more torque capacity
o Box screens reinforced with 200 kg less weight (less stress)
o side panels and compartment improved to prevent accumulation of material and thus reduce the risk of possible outbreaks of fire (the particulate filter is completely sealed and with a compressor to generate pressure in the motor casing and not enter any material wich can burn).

• **... and of course new engines:** engines incorporate the FT4 already seen this year in the 7R Series tractors, and they got the record for fuel consumption tests DLG. We have seen a substantial improvement in the consumption of fluids (fuel + ad blue).

• **W Series: incorporates all changes in the T series ... and in the separation system also incorporates changes in shakers: greater length and increase the angle of the jumps.**

Some innovations, notes the Sales Manager John Deere, which result in the following benefits that differentiate this firm combines competition:

• **Maximum level of market productivity:**

o Increased separation surface active market
o Increased market screens surface

o Maximum actual download speed
o Increased maneuverability

• It has strengthened the leadership in automatic guidance systems and especially telematics:

o Full documentation or with mass and moisture sensors ... georeferenced data through the new antenna 6000
o Full Management fields or wireless sending data through the hub.
o Remote management of all operating parameters of the machine through JDLink
o Remote access to monitor
o Remote access to diagnosis

• Totally unique concepts like remain:

o Sinfines conveyors harvest or below the concave instead of preparer tray.
o Simple design with a minimum number of belts
o *Easy maintenance with fewer lubrication points market (facilitates not only the maintenance but avoids risks)*
o Cab and management control.

In addition, Eduardo Martinez de Ubago summarized in the following points the reasons why the farmer is interested in acquiring a John Deere harvester (available from August 2016):

• Productivity: You have achieved the highest levels of productivity known

• Operating costs: They become combines with lower operating costs: fuel consumption, maintenance and spare adblue

• Running time: This is the machine does not stop working ... and this has the following dimensions:

o Reliability: Reinforcements in reliability to minimize the possibility of incidents
o Quick diagnosis and repair in case of impact: The machines are designed for rapid diagnosis and quick repairs if there is a problem.
o Service: The best network of mechanics there ... and a parts distribution system in 24h service on weekends.

Heads

As for the range of heads of John Deere and its advantages, we summarize below:

Rigid (R). *It is the most sold in Spain and Portugal. Brand emblem have not received any complaints from customers.* From 4.80 to 10.70 m.

Extensible (X). *Suitable for growing rapeseed.* Extensible table cut from a cabin of 0.4 to 1.2 m. *In just 3 minutes you can adjust to changing crop, rape seed, only removing the splitter and installing the mechanical side cutters.*

Premium Flow (PF). For small grain from 5.10 to 10.70 m. *It is also a good choice for colza, although its adjustment system for shifting cultivation requires more time than the last. Use straps to carry the material to the feed auger.*

Flexible (F). *adaptable court to harvest crops that require crawling at low altitudes.* Available in widths from 6.10 to 10.70 m, with cutting system with a vertical float of 152 mm.

Draper (D). *The most productive. Feed system conveyors.* Feed table 1 m. **Depending on the brand, is the best solution for rotor combines the S Series, increasing productivity by up to 15%.**

Telemetry

The program organized by John Deere Iberian in vallisoletanos fields was completed with a session devoted to reporting on management solutions offered information by portal myJohnDeere.com, a telematics hub connecting machines, workers and the land where they develop their activity.

The new antenna StarFire 6000, **which offers greater precision and speed to improve the tasks and reduce connection times during start-up of activities, was also presented.**

Source: John Deere