

CLAAS introduces the new CORIO and CORIO CONSPEED maize pickers

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Powerful but gentle

The key to a successful maize and sunflower harvest with minimal wastage lies in high productivity and gentle handling of the crop. The new models in the CLAAS range of CORIO and CORIO CONSPEED maize pickers deliver an optimum mix of exactly these qualities. All machines in the CORIO model series feature a very flat working angle, an innovative bonnet structure to protect the plants, and different picking roller designs for maximum performance in all harvesting conditions.

Flat working angle minimises maize ear losses

The new CLAAS maize picker models are deliberately designed with a very flat working angle of 17°. This effectively minimises maize ear wastage, particularly through the so-called “ear jumping” problem. The flat working position also delivers consistently high performance in laid maize crops. Both model series are mechanically driven via two bevel gears and a universal drive shaft, ensuring efficient power transmission with low maintenance input.

Special bonnet shape for gentle crop handling

All the new CORIO and CORIO CONSPEED models have a specially shaped bonnet featuring a very narrow tip and streamlined sides. This delays contact with the maize stem, and ensures ultra-gentle handling of the plants as the operation proceeds. As a result, there is no premature severing of the maize ears, and grain losses are kept to an absolute minimum. The distinctive bonnet shape is also ideal for laid maize, and successfully boosts productivity.

New opening mechanism for outstanding ease of maintenance

The new bonnet design also makes the mechanical components easier to clean and maintain in all these models. A specially developed opening mechanism allows all bonnets to be folded upwards by almost 90°,

with just a few simple hand movements, and no tools required. This provides an easy and convenient way to tension or change the feed chains, or to realign them for the sunflower harvest, for example.

Safe on the road, thanks to new folding mechanism

All the foldable models of the new CORIO range also have a unique new folding mechanism, bringing them down to extremely compact dimensions. The distance to the front is reduced by 80 centimetres, giving the driver unimpeded visibility, for maximum safety on the road. The machine is easily and conveniently folded up from the driver's cab, with no need for any additional tools.

Linear and conical picking rollers for all harvesting conditions

All CORIO models are fitted with linear picking rollers, which pick the ears with minimal damage in virtually any harvesting conditions, with only small amounts of stem material transferred into the combine harvester. Each roller has four bolted-on, individually adjustable knives and new snapping plates, ensuring optimum crop handling during the harvesting process.

The new CORIO CONSPEED maize pickers have conical picking rollers. The roller diameter increases from front to rear, ensuring gentle feed of the maize plants even at higher driving speeds, with rotation speeds then building up only gradually. This allows high throughput in dry crop conditions in particular, and therefore maximum productivity, since the gentle inward feed operation prevents unnecessary ear wastage and breakage damage, as well as unwanted plant material entering the machine by plants being ripped out.

Along with the standard rollers, all CORIO CONSPEED models are also available with hybrid rollers. These operate with a combination of aggressive knives and gently engaging rollers, resulting in an aggressive infeed process ideal for use in crop material that is still very green and moist.

Wide choice of working widths and row widths

CORIO maize pickers are available as 4, 5, 6 and 8 row variants, and CORIO CONSPEED models as 6, 8 or 12-row machines. Both picking systems are also offered with row widths of 90, 80, 75 and 70 centimetres. All models in the new CORIO model series will be available for the 2017 harvest.

Source: CLAAS