

Shortly before the beginning of the agricultural season, the world-renowned advisor arrived at EkoNiva to conduct a master class. He demonstrated for the engineers and machine operators how to make the combines work more efficiently. The workshops were held at two production sites of the company, at facilities of EkoNivaAgro LLC (Voronezh oblast) and Zashchitnoye LLC (Kursk oblast).

As Martin Reichelt related, his combine adjustment theory has been proven over several decades of work at agricultural enterprises throughout the world. It is not a fairy tale but a real achievement. The simple reason is that none of the manufacturers of harvesting machines provides recommendations on how to increase the combine efficiency by 300%. Why should they depress sales?

Within two days of the workshop conducted at each production site, all the participants studied their own familiar machines anew, down to the smallest spare part. Martin Reichelt showed each working implement of the combine in a new light, telling what losses can be caused by wrong adjustment. For example, incorrect mounting of the divider on the header means losing up to 200 kg of grain/ha, and incorrect adjustment of the rake at the reel leads to the loss of 400 kg of grain/ha. The advisor demonstrated the right way to adjust each component of rotor combines, straw walkers and the thrashing system itself. Afterwards he suggested that the participants should try to adjust the machines on their own.

"No engineer or machine operator in the world has been taught that each component of the combine plays a great role in the general performance of the machine. Most people adjust only the



Revolution in mind from Martin Reichelt

Many agricultural producers would have been bowled over if someone recommended that they harvest rape at the speed of 12-13 km/h. However, according to the long-term experience of Martin Reichelt, a German expert in optimising the efficiency of combine harvesters, a well-adjusted combine makes it possible.

cancave and the screens. However, it is essential to fine tune the work of the whole combine, beginning with the header. There are no immaterial details when it comes to harvesting. Everything is important: the intake auger, the speed of each mechanism and the quality of the harvested material," says Martin Reichelt.

Every day of the workshop was extraordinarily eventful, and by the end of each day the participants had to do quite a complicated test, in accordance with the results of which the three best machine operators received a bonus.

"The workshop was very productive. I think it caused a revolution in minds of the engineers and machine operators. Many participants heard these things for the first time. At first, one might think that Martin's ideas contradict the accepted standards. However, in the course of the workshop, we saw with our own eyes how combine efficiency can be at least doubled. We will implement Martin's recommendations this season and go on learning," says Dmitry Korendyasev, Chief Engineer of EkoNivaAgro.

By Yulia SALKOVA

Green on Green: confidence and effectiveness

John Deere is offering an effective Green on Green concept for Russian farmers, providing 100% performance of agriculture enterprise technological strategy.

The purpose of "Green on Green" is to increase the effectiveness of agricultural production by precise compliance with processing technology. John Deere specialists note it is very important to consider agricultural equipment working in fields as an integrated solution comprising the tractor and trailer or detachable equipment.

John Deere Company is a full liner in production of agricultural machinery. It offers a set of smart solutions for the

agricultural sector.

"Agricultural producers gets the set of agriculture machinery and equipment customised for the processing technologies of their enterprises and a full package of systems for precision soil management. Purchasing Green on Green, our clients get a holistic technological solution from one of the most powerful producers of agricultural machinery," said Gennady Nepomnyashchy, Regional Director of

EkoNiva-Tekhnika LLC.

Today the most popular tandem from Green on Green is the tractor John Deere 8310 (310 hp) with disc deep tiller John Deere 2720. This universal tool performs all operation with excellence, including cutting and distribution of trash, tillage and crushing of tillage pan, mixing up and embedding stubble, and smoothing the field surface.

By Yulia SALKOVA