

NEXAT sets benchmark: World record in soybean harvesting



Figure 1: The new world record holders in soybean harvesting – NEXAT and Ricardo Basso's team

LUÍS EDUARDO MAGALHÃES (BA), BRAZIL (23rd March 2026) – A new milestone has been reached: In the state of Bahia, NEXAT has set a new world record in soybean harvesting with its self-developed NEXCO combine module. Under the official supervision of RankBrasil, 637.76 tons of soybeans were harvested on a total of 158.16 hectares within eight hours at Fazenda Bananal (Agro Basso Group).

[Watch the Video here!](#)

Top performance paired with efficiency

The harvesting operation sets new standards in terms of efficiency and throughput. The NEXAT system surpasses last year's record by an impressive 32%, corresponding to over 150 additional tons within the same eight-hour time frame using a conventional combine.

Notable is the extremely low fuel consumption of only 7.5 liters per hectare, impressively underscoring the high efficiency of the NEXAT system.

Key performance data:

- **Total harvested:** 637.76 t in 8 hours
- **Average throughput:** 79.72 t of soybeans per hour
- **Crop moisture:** 14 %
- **Operating speed:** 13,6 km/h
- **Area harvested:** 158,16 hectares
- **Fuel consumption:** 7.5 l/ha
- **Losses:** < 0,5 %
- **Equipment:** NEXAT carrier vehicle with NEXCO harvesting module and FD250 MacDon FlexDraper header



Figure 2: RankBrasil's award "Machine with the highest soybean harvesting performance 2026"

Transverse rotor concept: More space for high-performance technology

With the NEXCO harvesting module, NEXAT achieves a 32% higher performance in soybean harvesting compared with the previous world record holder. This is made possible by an innovative threshing concept featuring a transversely installed rotor that feeds two separation and cleaning units. Two straw choppers ensure even distribution of crop residues over the entire working width (15.2 m / 50 ft).

The modular design of the system also provides excellent accessibility and allows for rapid maintenance – maximizing efficiency and minimizing downtime.



Figure 3: The NEXAT system with NEXCO harvesting module during the world record attempt

Official recognition and importance for the industry

The importance of this achievement for agriculture became clear during the certification ceremony held by RankBrasil.

Luciano Cadari, Director of RankBrasil, summed it up as follows: *"This record is proof of how technology and efficient management are pushing the boundaries of what is possible in agribusiness."*

A milestone for the future of food production

For the NEXAT management, the world record is confirmation of their development strategy. Welf von Plato sees it as a clear signal for the market: *"We are proud of this result. The new world record confirms that our NEXCO harvesting module sets new standards in throughput, grain quality and maximum efficiency. This is an important milestone for us and for the future of efficient and sustainable food production."*

A brief look back shows how quickly the NEXAT vision has become reality. Klemens Kalverkamp emphasized team spirit and innovative strength: *"When we started developing the NEXCO in 2019, I would not have thought it possible that we would set a world record just seven years later. I would like to thank everyone who made this possible and look forward to everything we will achieve."*

With this result, NEXAT demonstrates the successful path toward the future of agricultural technology. The innovative design of the base machine opens up completely new possibilities, with the NEXCO harvesting module being an outstanding example of the enormous potential of this system.



Figure 4: The NEXAT team in front of the NEXAT world record machine

About NEXAT: The NEXAT system is the world's first holistic crop production system that covers all work steps – from sowing to harvesting – with a single carrier vehicle and modular attachments. (www.nexat.de)

About Agro Basso: The Agro Basso Group, led by Ricardo Basso, is one of Brazil's technological leaders in agriculture and is considered a pioneer in the implementation of highly innovative agricultural technology.

RankBrasil: Recordes Brasileiros – is the first independent institute for the certification of national records and has been recognizing exceptional achievements in a wide range of fields since 1999.