FONTANA
Make the cut



CASE STUDY

How Kemper knives performed in practice across 1,100 hectares

FONTANA, a.s. knives for CLAAS forage harvesters with Kemper adapters were tested in real seasonal operating conditions. During maize harvesting across an area of approximately 1,100 hectares, the knives demonstrated durability and reliability under demanding conditions.

CLIENT

ORAGRO s.r.o. is a company providing agricultural mechanization services, focusing on field operations in crop production. It currently operates a total of seven CLAAS forage harvesters, with an average annual output of approximately 800 hectares of maize per machine. The equipment is used in a versatile manner depending on the season and the type of harvested crop.

CHALLENGE

ORAGRO s.r.o. has long been using high-performance machinery for crop harvesting, where reliability and durability of components throughout the entire season are crucial, particularly for CLAAS Kemper adapters.

Under intensive use, blade wear is a natural concern, bringing both replacement costs and the risk of downtime. ORAGRO therefore sought a solution with an optimal balance between price, service life, and reliability under field conditions.

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SOLUTION

Kemper adapter knives have been used in ORAGRO s.r.o.'s operations on a long-term basis, deployed regularly every season for approximately six years.

As part of the cooperation, one of the seasons was monitored in greater detail in terms of wear and performance under real operating conditions.

During this season, our replacement knives for Kemper adapters were deployed, designed for full use under standard operational loads in field conditions.





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FIELD PERFORMANCE

During the season, the knives processed approximately 1,100 hectares under varying levels of operational difficulty.

They operated under standard seasonal conditions during crop harvesting, with high machine workload.

Throughout use, their wear and functionality were continuously monitored under real operating conditions, without the need for premature replacement. The focus was primarily on stable performance throughout the entire season and the behaviour of the knives under prolonged load.







RESULTS

At the end of the season, it was confirmed that even after operating across approximately 1,100 hectares, the knives retained their functionality and remained suitable for further use.

The level of wear corresponded to the intensive operational workload, while no premature replacement was required.

Monitoring throughout the season also confirmed stable performance and trouble-free machine operation, even under high workload conditions. The result was a reliable solution that met expectations in practice in terms of both durability and operational reliability.

"After being deployed in real operating conditions, the knives proved themselves in terms of both durability and reliability throughout the entire season. Even under intensive use, they maintained their functionality without the need for premature replacement and without any negative impact on machine operation."

Ing. Miroslav Zahradník

Service Manager
for Forage Harvesters and Combines
ORAGRO spol. s r.o.

1, 100 ha

1 season

No premature blade replacement



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CONCLUSION

The ORAGRO s.r.o. case study confirmed that FONTANA, a.s. knives are a reliable solution even under intensive seasonal operation. In real working conditions, they demonstrated stable performance, predictable wear, and continued suitability for further use.

For agricultural contractors and farms operating CLAAS Kemper adapters, reliable component performance throughout the season remains a key factor in maintaining productivity and minimizing downtime.

Looking for a reliable solution for your harvesting equipment?

We will be happy to help you choose the right knives for your machinery and operating conditions.

Contact us

View product range

