



**AMAZONE**

**12,000 litres**  
**40 metres**  
**50 km/h**



**UX 11200:**  
**what they say in practice**

# Efficiency that impresses: 12,000 ha in 11 days

On the 5,000 ha “KX Novikov” farm in Krestyanka/Russia, a UX 11200 has been operated since 2013. “The huge capacity of 12,000 litres” owner Andrey Alexandrovich Novikov indicates as the most important reason for this investment. Also the Amatron 3 operator terminal – in comparison to other makes – impressed him. The specification of the UX 11200 includes a 36 m Super-L boom with Profi-fold 1 and the automatic DistanceControl boom guidance. The chassis is equipped with the SingleTrail self-steering rear axle.

Instantly the UX impressed with its efficiency. With a normal water volume of 100 l/ha, it sprayed in 11 days approximately 12,000 ha! Depending on the soil conditions, the operating speed of the 335 HP tractor, with GPS control, varied between 11 and 19 km/h, the average speed being 14 km/h. On the other hand, the fuel consumption of only 0.3 to 0.4 l/ha of diesel was very low. Due to mostly short farm-field distances, the sprayer is filled at the farm; however, when travelling longer distances, filling is from the field edge via a water bowser. Due to the large capacity potential of the UX 11200 Andrey Alexandrovich Novikov intends to use also larger volumes of water in the future, in this way 700 ha/day could be managed in a 2-shift system at 200 l/ha.



Andrey Alexandrovich Novikov, KX Novikov

## Details on the KX Novikov farm

The farm KX Novikov operates on both soils similar to black soil and on real black soil, in field sizes of between 120 and 150 ha. The annual rainfall is 350 mm. Approximately 260 mm of rainfall is during the 140 day growing season from the end of April to end of September. The average temperature is approximately 3°C.

The farm's crop rotation includes field peas, sunflowers, spring milling wheat, spring durum wheat and spring barley, buckwheat, spring rape and linseed in a continuous and deliberate crop rotation alternating between monocotyledonous and dicotyledonous plants with a targeted mix of early seeds and late seeds within the crop rotation. On a long-term average, the yields amount to 2 t/ha cereals, 1.6 t/ha sunflowers and 1.6 t/ha linseed. Only in 2013 did the farm start to grow rape.



# More efficiency, less logistics costs

“This investment was worthwhile” Bernd Ullrich, manager of the Agrargenossenschaft Bad Dürrenberg, reports on operating an UX 11200. The agricultural co-operative farms 4,600 ha of arable land and 400 ha of grassland in the Leipzig lowland area.

The specification of the UX 11200, which is pulled by a 230 HP tractor, includes a 24 m Super-L boom with LED lighting, DoubleTrail axle steering system and GPS-Switch, the automatic headland and part-width section control. “The decisive benefit of the UX 11200 clearly is the large tank – and in this way a huge increase in efficiency” manager Bernd Ullrich says. At water rates of between 200 and 300 litres/ha, now between 40 and 60 ha can be sprayed without the need of a filling stop. The large tank volume is also of benefit with regard to the operational and logistics organisation. So, in the relevant field areas where the machine operates, a filled 22 cubic metres water bowser is parked up enabling the driver of the sprayer to locally refill the UX 11200 twice. “In this way we do not have to tie up an additional tractor with driver for the water bowser” Bernd Ullrich reports.

In spite of the large tank capacity of the UX 11200, the ground pressure has not been increased and also wheel track damage is no problem. Bernd Ullrich explains this by the tandem axle and the DoubleTrail axle steering. “With this steering, the wheels in fact still follow in exactly the tractor track. This saves the soil and, of course, also has an effect on the boom ride.” On the other hand the driving behaviour of the sprayer at fast road speeds and with a completely full tank is also very positive. Absolutely recommended is, according to Bernd Ullrich, the LED lighting of the sprayer boom and GPS-Switch. “In this way we are able, if necessary, to operate the machine also at dawn or dusk.”



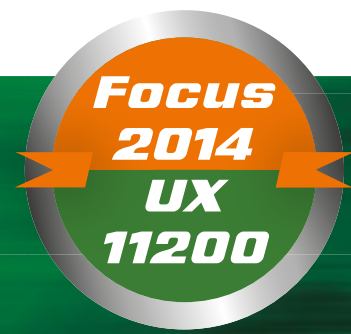
Bernd Ullrich, Agrargenossenschaft Bad Dürrenberg

## Details on Agrargenossenschaft Bad Dürrenberg

The crop rotation of this agricultural co-operative is divided into cereals (approximately 60 %), sugar beet (7 %) and potatoes (3 %) as well as rape (18 %) and maize (12 %). The size of the fields varies from 1 to 100 ha. A large proportion of the fields are worked without the plough. However, especially after maize and prior to drilling sugar beet and potatoes, the plough is used to prevent field mice attack, to improve the field hygiene and to keep low the risks of infection of disease in the following crop.

In addition to the UX 11200, the farm utilises two Amazone self-propelled sprayers and one UX 5200 trailed sprayer. Each machine has its own operational focus. The treatment of cereals in the larger fields is carried out preferably by the big UX 11200, whereas the smaller structured fields are sprayed with the UX 5200. The self-propelled machines, with their variable track width, are used mainly in potatoes, sugar beet and maize. Due to their high ground clearance, the flowering treatment in rape is an additional operational focus for these machines.





# UX 11200: slick – sleek – sly



⊕ UX 11200  
12,000 litres | 36 m

- ⊕ Huge capacity: actual volume 12,000 litres
- ⊕ Tank design with favourable centre of gravity and only a few baffles for perfect field and road holding, quick interior cleaning and minimal residual volumes
- ⊕ Steel profile frame, strong as an ox, with safely routed hoses
- ⊕ Covered, centralised operator station and equipped with Comfort-Pack for automated filling and cleaning operation that offers the utmost convenience
- ⊕ Perfect driving comfort and safe behaviour on the road due to the level regulated, hydro-pneumatic axle suspension and SingleTrail self-steering
- ⊕ Option: DoubleTrail axle steering for optimum true track following and excellent manoeuvring ability
- ⊕ Safe and superbly strong hitch drawbar with built-in damping capable of taking a support load of 3 tons
- ⊕ Simultaneously superbly strong, yet superbly light and superbly compact sprayer booms with aircraft-style design up to a 40 m working width
- ⊕ Ultra-modern, operator friendly valve chest and AMATRON 3 ISOBUS operator station
- ⊕ High capacity pumps with 900 l/min fill capacity for quick turnaround times



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