

**Innovations
for your success**



**Two-row potato
harvesters**

**WM 6500
WM 8500**

The ultimate two-row potato harvester!

With the new WM 6500 you will be able to achieve maximum quality combined with high performance. The total concept of the harvester is based on high throughput to ensure maximum return on your investment.

The harvester offers outstanding visibility, manoeuvrability and optimum specification. The new two-row potato harvester gives a truly impressive performance even with green haulm and firmly attached tubers.



Superior performance

The WM 8500 has set new standards in two-row potato harvesters. The Deutsche Landwirtschaftsgesellschaft (DLG) was so impressed with the total concept that it awarded the design a silver medal for innovation. With this prize-winning new generation of harvesters from WM Kartoffeltechnik, successful harvesting is guaranteed. Superior productivity means that you will be able to reduce your costs per hectare. The weight of the WM 8500 has been kept to an absolute minimum and the machine is therefore able to achieve a load factor of 1. This saves on fuel. The 8.5 t capacity hopper allows you to achieve new dimensions in efficiency. Unproductive secondary processing times are therefore minimized. This means longer runs, fewer interruptions for unloading and therefore maximum productivity.



The first potato harvester with an 8.5 t hopper!



Technology without compromise - for maximum performance and careful crop handling

The crop is firstly sieved and then separated. The crop flows over a sieving web with a large surface area and then onto a robust wide-meshed haulm web.

As an option, the sieving web is also available in a divided design with a digging web. This provides additional sieving and the low fall height ensures that the crop is handled with particular care. All sieving webs are supplied with a web lock as standard and have a drive which is independent of the spacings.

Digging web with tread bar drive



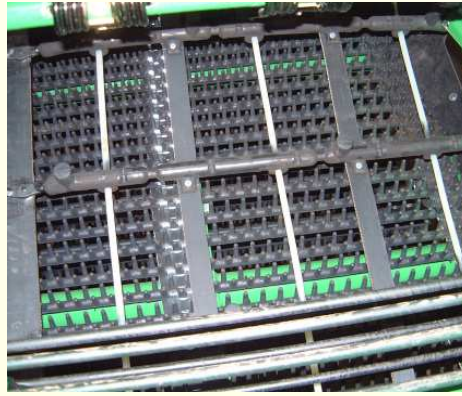
The WM two-row harvester has been designed without the need for doubled circulating belts and is therefore suitable for high performance even under extreme conditions. In contrast to

conventional potato harvesters, the division of the work stages also means less wear and lower servicing costs.

Three speed gear system

Three speeds are available for each of the sieving webs and the haulm web. These can be adjusted on the easily accessible gearbox.

Haulm web

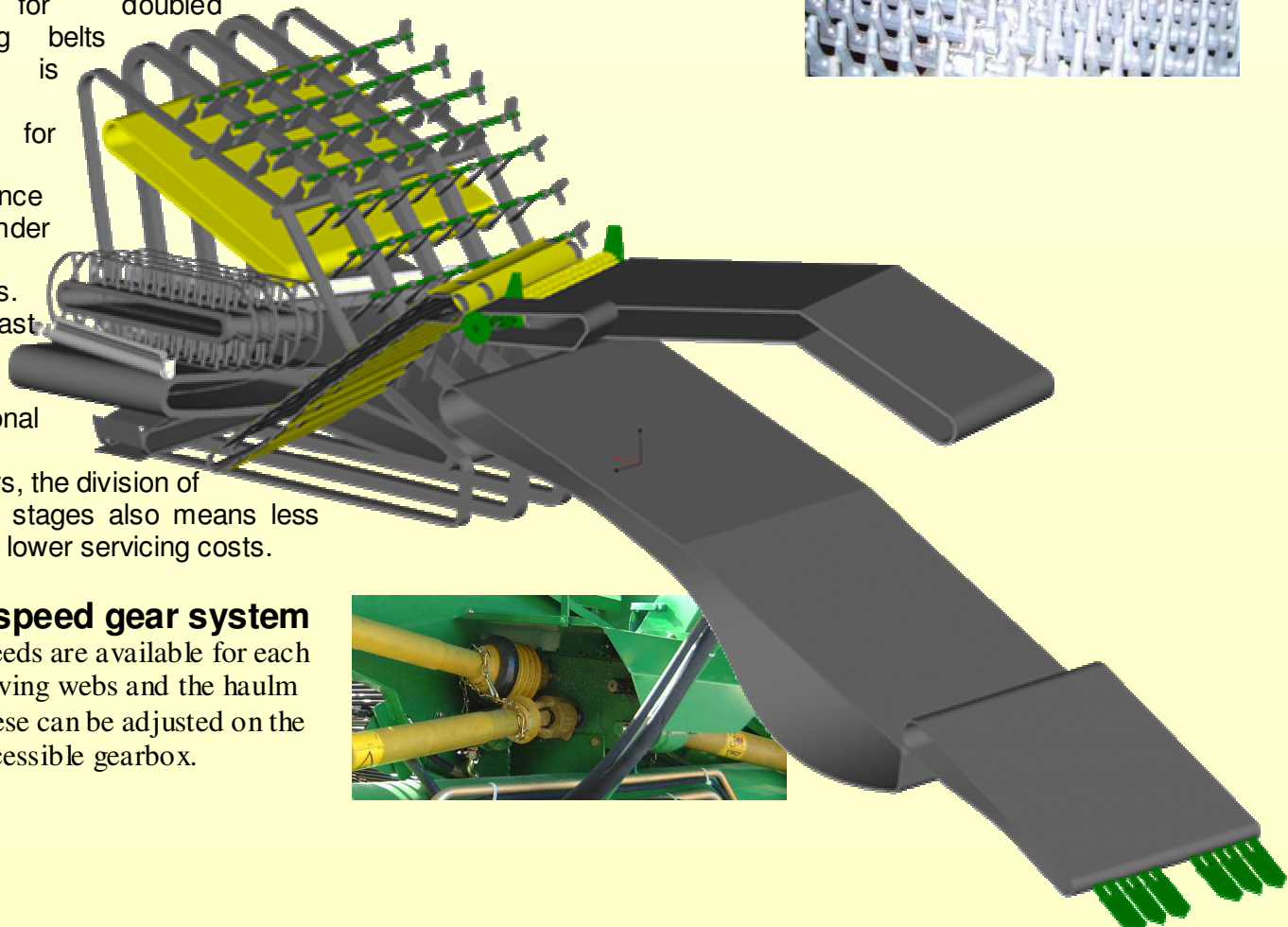


The performance of the wide-meshed haulm web has been dramatically improved. The positive tread bar drive ensures throughput in all conditions. Rubberized separating fingers also deal effectively with dense weed mats. The intake belts can be quickly fitted when conditions require their use. These prevent short stems from getting into the harvested crop.

Preseparation

A longitudinal hedgehog belt, with hydraulic angle and height adjustment, performs the preseparation function. The hydraulically driven double deflector roller performs the separation function and also transports the crop carefully onto the broad (1200 mm wide) transverse hedgehog belt.

The hedgehog belt has been specially designed with V profile sieving bars, which guarantee excellent self-cleaning characteristics and an excellent separating performance. The height of the deflector rollers - and therefore the effectiveness of the preseparation system - can be centrally adjusted.



Profit from the added value offered by a new generation of harvesters

Single-storey design with a load factor of 1

This design ensures that the crop is harvested with minimum damage and maximum throughput, as it prevents bottlenecks which could hinder smooth crop flow. The new design of conveyor carefully transports the potatoes in pockets and delivers them without a drop onto the convenient sorting table.



The first two-row potato harvester with an 8.5t hopper

A new generation of harvesters which offer outstanding performance.



Excellent handling

This harvester offers excellent visibility and everything is within easy reach.



From the sorting platform you can easily adjust all the units and also keep an eye on the entire harvesting process.



Monitoring and adjustment of the harvester from the tractor are also possible as an optional extra.

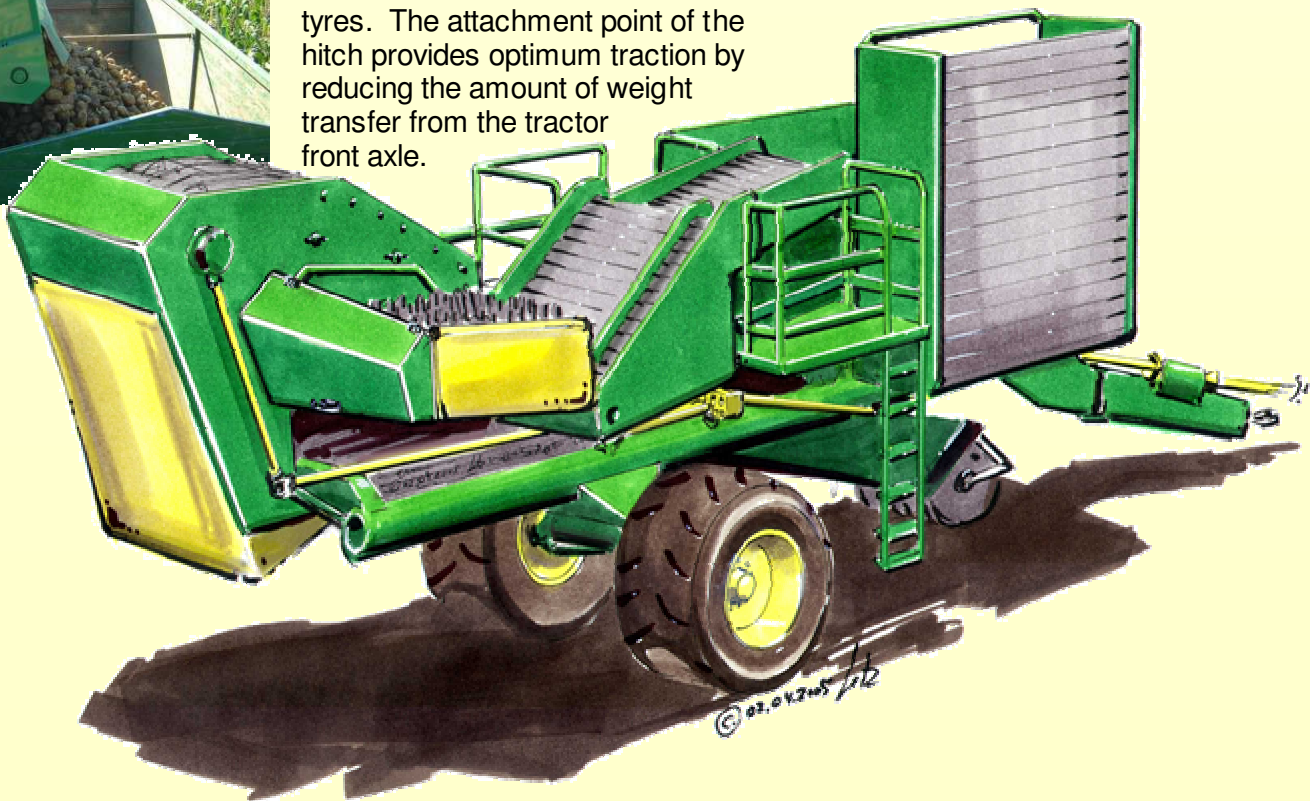
Large tyres make it easy to pull

The 700 /30.5 tyres of the WM 8500 create a 35% larger contact patch on the ground in comparison with the same width of 26.5 tyres. The attachment point of the hitch provides optimum traction by reducing the amount of weight transfer from the tractor front axle.



Optimum manoeuvrability

Even with its 8.5t hopper, the WM 8500 is no wider than 3m. Transport on public roads is therefore much more convenient. This also brings benefits in the field. The wheel base is considerably shorter than the competition and this means increased manoeuvrability at the start of a row and therefore increased efficiency.



Efficiency through innovation

Pickup



The trailed ridge pickup has excellent manoeuvrability which optimizes ground following even in sloping conditions. The digging depth is adjusted centrally for both rows. The laterally attached concave cylinders and the flat support mechanism ensure excellent visibility of the sieving channel from the tractor seat. The new automatic lateral control operates directly on the ridge roller for precise positioning.

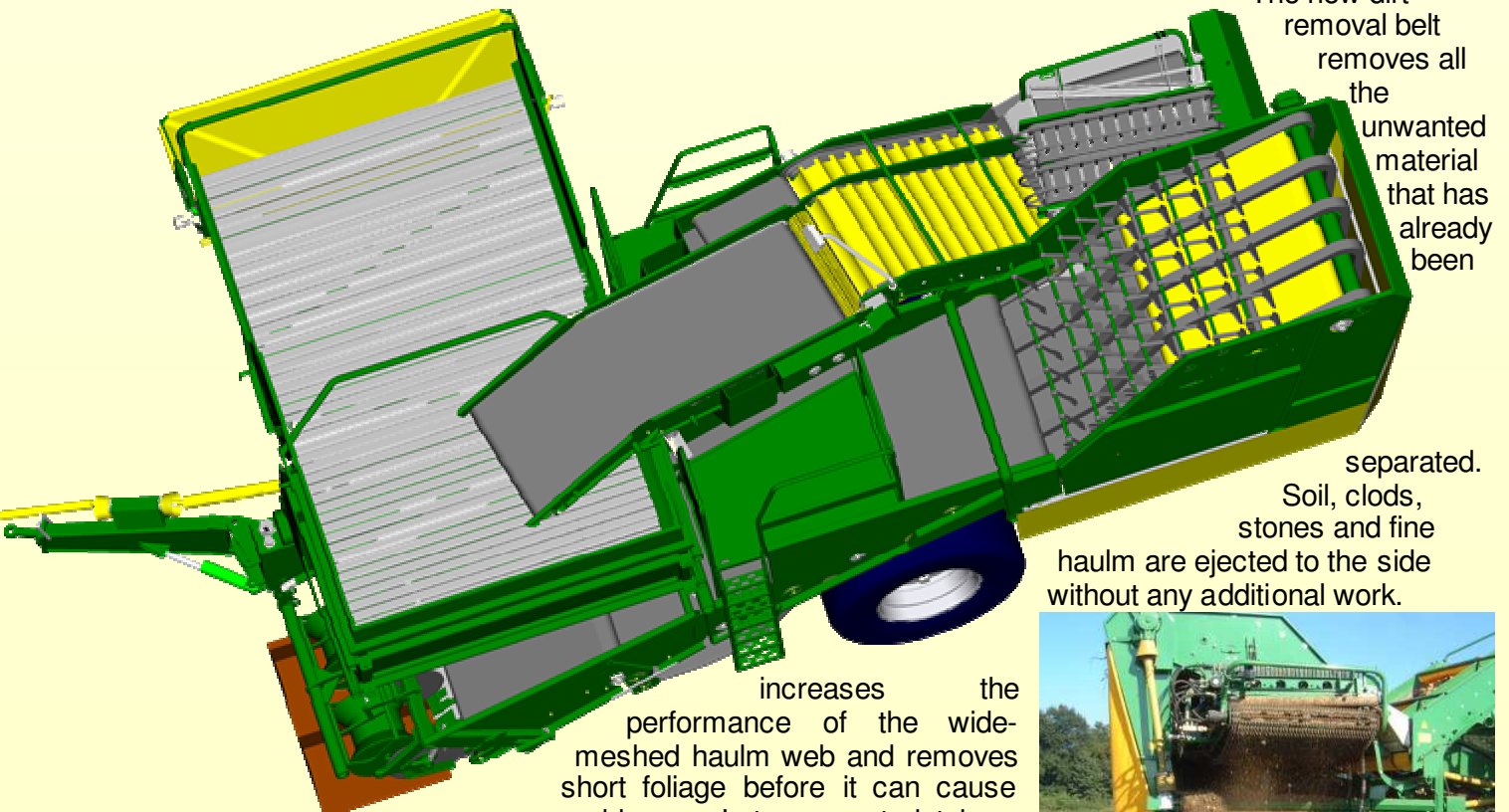
Haulm separation



The robust haulm web achieves optimum haulm separation with its variable mesh widths. Eight haulm strippers can be individually adjusted to suit the respective conditions. The harvester offers optimum suitability, regardless of whether it is dealing with green haulm or firmly attached tubers. The haulm separating system featured in the WM two-row potato harvester has been designed to achieve maximum performance and reliability. The "active rear wall", another WM innovation,

Double rotary finger comb

The universal finger comb is divided into two sections and is compactly mounted onto the frame. Both separating sections are equipped with fingers and have separate speed adjustment. This system ensures that you achieve the very best separating results. The angle and height of the separating unit are easily adjustable from the sorting platform by means of an electric remote control system.



The new dirt removal belt removes all the unwanted material that has already been

separated. Soil, clods, stones and fine haulm are ejected to the side without any additional work.

increases the performance of the wide-meshed haulm web and removes short foliage before it can cause problems. Late separated tubers can still be carefully guided back into the harvest flow.



Impressive added value for your success

Added value through maximum efficiency

This single-storey machine offers the benefits of a large hopper to achieve maximum efficiency. Unproductive secondary processing times are therefore minimized.

The advantage to you: with the large 6.5 t and 8.5 t hoppers you can carry on harvesting when other machines have already had to stop to unload. This means longer runs, fewer interruptions for unloading and greater productivity.

Added value through increased yields

Short flow paths through the machine and smooth crop transfers. Crop flow redirected by only 180° to the hopper.

The advantage to you: minimum damage, optimum market yield and therefore maximum profits.

Added value through impressive load factor

What makes the new generation of WM two-row harvesters truly impressive is their unique load factor.

The WM 8500 weighs less than the load capacity of the hopper.

The advantage to you: as the harvester is easy to pull it can be used in all conditions and it also saves on fuel. You can save up to 10 litres per harvested hectare in comparison to conventional technology.

The savings that can be made throughout an entire season are certainly impressive. It all adds up!

Added value through careful treatment of the soil

The huge 30.5 tyres make work easy. The harvester leaves behind an even soil surface which can be subsequently worked without the use of a plough.

The advantage to you: your most valuable asset – the soil – is treated carefully and by saving on subsequent work procedures you can also save money.

Added value through simplicity

The simplest solutions are often the best. The WM harvester offers you the benefits of an impressive linear machine design. There are no wearing drive mechanisms, fewer rotating parts and the machine features practical monitoring functions – this all means a safer and more efficient harvest

The advantage to you: you will save valuable time, which would otherwise be required for servicing and repairs. And should a repair be required, easily accessible units ensure that the work can be carried out quickly and economically.

LOAD FACTOR

*“... holds more than it weighs!”
Profi - the specialist international magazine for farm machinery (10/05), sums it all up perfectly.*

Today's harvesting demands call for fuel savings and careful treatment of the soil. At the same time, there is an increasing need for harvesters to perform at maximum efficiency and therefore at minimum costs.

WM Kartoffeltechnik took up this challenge at an early stage and today can offer customers a leading-edge concept. With a load factor of 1 the WM 8500 machine weighs no more than the weight of the potatoes in its hopper when fully loaded. No other potato harvester of this type, currently available, can achieve this. Further evidence of innovations for your success!



Technical data on the WM two-row potato harvester



	WM 6500	WM 8500
Length (without drawbar)	8800 mm	8800 mm
Width	3000 mm	
Height	3540 mm (26,5" tyres)	3630 mm (30,5" tyres)
Weight	7.950 kg	8.490 kg
Hopper capacity	Approx 6.500 kg	Approx 8.500 kg
Hopper width	1960 mm	2450 mm
Transfer height	4260 mm	4350
Drawbar length	1745 mm	1745 mm
Track (flange dimension)	2350 mm	
Tyres	600/50-26.5	700/50-30.5
Sieving web width	1450 mm	
surface area	7,15 m ²	
Haulm web width	1600 mm	
surface area	5,1 m ²	
Longitudinal hedgehog belt width	1450 mm	
surface area	2,9 m ²	
Transverse hedgehog belt width	1200 mm	
surface area	1,4 m ²	
Preseparation with hydraulically driven double deflector rollers		
Main separation with 3 hydraulically driven deflector rollers		
Sorting belt width	1000 mm	
Trash belt width	300 mm	
Tractor power requirement	from 75 KW	from 85 KW
Mechanical drive power take-off shaft	540 rev/min	
Row width	650 to 750 mm	
Pick up	580 mm	
Haulm intake rollers diameter	400 mm	
Sorting platform	1-5 people	

Technical information correct at time of printing 1/06. Subject to alteration.

Added value comes as standard!

- 40 km/h compressed air brakes, TÜV certification
- Hydraulic axle and drawbar steering
- 600/50 - 26.5" tyres WM 6500
- 700/50 - 30.5" tyres WM 8500
- LS independent hydraulics with hydraulically driven hedgehog belts
- Hydraulic rotary agitation

Options:

- Comfort package consisting of: automatic lateral control
automatic axle return, automatic levelling system for slopes
hopper filling chute
- digging web
- sorting rollers with collecting hopper
- stone collecting hopper
- box filling device
- video monitoring
- automatic hopper filling system

Contact your nearest WM Kartoffeltechnik dealer if you would like to find out more, or if you would like to arrange an individual consultation or see a machine in operation.

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