

Universal – Harvester with offset lifting

WÜHLMAUS 1011/1033



High capacity harvester with
bunker or bagging platform
for potatoes, carrots, chicory,
celery, red beet, etc.



A Proven Harvester Design En

Decades of experience gained through intensive development and testing of different potato harvesting systems, have led to the introduction of the WÜHLMAUS 1011/1033 series.

Featuring offset lifting the WÜHLMAUS 1033 meets the demand for a harvester which is no longer subject to the constraints of earlier designs. Without the tractor or harvester wheels running in the crop, damage by wheel compaction is eliminated.



ditions. The same system is used on the two row WÜHLMAUS models.

The open web system is fitted to the WÜHLMAUS 1033. Potatoes pass from the main web through a wide mesh haulm separating web, onto the pintle belt secondary separating area. Potatoes still clinging to the haulm are separated by three floating rubber finger banks. These are spring loaded so as to avoid any potential blockages.

Accurate Depth Control

The potato ridge is harvested by means of a three piece spade type share, disc coulters are fitted either side of the share unit. The depth of the lifting mechanism is controlled by a floating diabolo roller, with a simple handle for adjusting the depth in work.

This system ensures constant depth control, allowing the share to float independently from the main frame of the machine over undulating ground.

Primary Soil Separation

A long low angle main web achieves excellent primary separation with an effective area of 2.2 metres.

Standard equipment includes two adjustable agitating systems which can be used to increase the separating ability of the main web under adverse conditions.



Efficient Haulm Separation

On the WÜHLMAUS 1011 machine, haulm is separated from the potatoes by a simple reverse running roller. This roller is spring-loaded and can be adjusted for various crop con-



This system offers the benefit of much gentler handling of the crop, with potatoes spending up to 40% less time in the haulm separation process. Fewer losses are also experienced even when harvesting an early crop, with a large amount of green top, or where trash or weed is present.

Secondary Separation

The secondary separating system consists of a large area pintle belt with two pendulum separators.

The first of these features rubber spring loaded fingers gently lifting the potatoes from the separating belt surface, whilst allowing stone and clod to pass underneath to the reject belt.

The second pendulum separator has a black rubber diverter and passes smaller potatoes to the picker standing at the reject belt, whilst allowing excess soil, loose leaf and trash to pass out of the machine.

No longer are clods formed prior to lifting, thereby reducing the need for agitation on the main web and the damage that occurs when this is necessary.

Oversize tyres can be used, thereby increasing harvesting performance, with greater traction under wet conditions.

Fully type-tested by the German Agricultural Association, the WÜHLMAUS 1033 is fully approved by the DLG.



Easy Operation

A large separating platform is fitted to the machine and offers comfortable picking off facilities for up to three people, should very poor conditions necessitate this.

Because of the high level of mechanical separation offered by the WÜHLMAUS 1033 (the long main web, the open type haulm separator and the large secondary separating area) at least one less person is required to operate the machine.

For harvesting on soils with a high stone content, a special secondary separating system is available. The 'S' machine features a pintle belt with extended rubber pintles and in place of the pendulum finger separator, a hydraulically driven revolving nylon brush is fitted. Stone collection boxes can also be fitted to the machine.

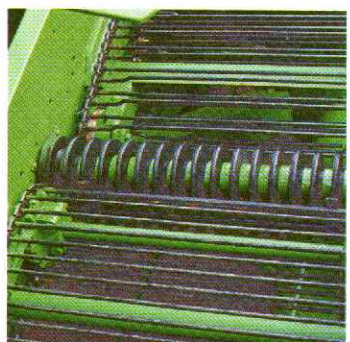


The sloping picking table can comfortably accommodate pickers of different heights, who can work continuously without fatigue. All the necessary adjustments can be reached easily by the pickers from the separating table.

Optional equipment includes an additional cleaning roller which can be fitted to the main picking table web for additional separation of stone and clod, therefore, helping to reduce the work required at the picking table.

Separator Angle Adjustment

In order to compensate for angle changes when working in hilly area, the secondary separator can be adjusted in its angle from the picking table area. This adjustment also allows the effect of the separator to be increased or decreased, according to the conditions prevailing.



Audited testing has shown mechanical damage when harv

1/1033

Ensuring Maximum Performance



Grading Rollers at the end of the Separating Table

Two rows of grading rollers are fitted. At this point small potatoes can be graded from the machine and fed into sacks. There is a special sack holding device fitted beneath the machine for this purpose. Sacks of small potatoes can then be stored on the large separating platform.

Bunker Operation

The bunker feed elevator lowers into the bunker through a spring loaded side wall section, thus reducing damage to a minimum. The unloading and loading of the bunker is controlled by the



tractor driver, with unloading being achieved by engaging the hydraulik driven moving floor.

An unloading chute is available to gently ease the crop into the trailer, where potatoes are more susceptible to damage. For unloading, the bunker is raised and lowered via a gantry system.

This ensures that the angle of the bunker does not change regardless of the discharge height. This considerably reduces damage to the potatoes through roll-back in the bunker.

Discharge height can be adjusted easily from 0.8 metres to 3.2 metres.

There is also a facility available as an optional extra to enable bagging of the potatoes to be carried out in the bunker.



A major feature of the WÜHLMAUS 1033 is the low centre of gravity afforded by the low flat



design of the machine. This offers safe handling of the machine even with its high capacity 1,950 kg. bunker on hillsides.



Bagging Platform

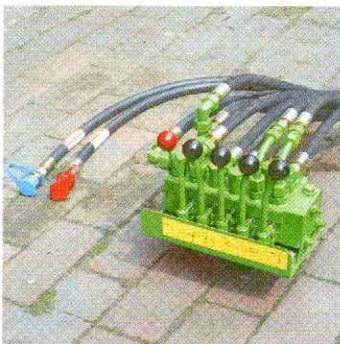
As an alternative to the bunker model, a bagging platform can be specified. This is an area of 5.4 metres. Generously proportioned to provide ample area for the tying and stacking of potato bags.

Optional equipment includes a variety of different weighing systems - details upon request.



Easy Manoeuvrability

As standard equipment the WÜHLMAUS 1033 features hy-



draulic axle steering and a hydraulically adjustable drawbar. The machine also has its own spool valves fitted and therefore requires only two hydraulic connections to the tractor. These features provide excellent

manoeuvrability and save considerable time when opening up the crop, on hillsides, or when unloading.

Controls

A bracket is provided to enable the mounting of harvester controls in a convenient position for the tractor driver.

Special Accessories

A wide range of easily fitted optional accessories are available to enable efficient harvesting of many different kinds of vege-



tables or bulbs, et cetera.

Different types of shares, webs and depth control systems offer great flexibility in harvesting different crops.

Other special equipment include a digging shaft to enable effective harvesting of wind-



rowed crops where a two stage harvesting process is required.

The open plan design of the WÜHLMAUS 1033 enables a blockage free passage for crops, where a high amount of material must pass through the machine, i.e. windrowed onions.

The Niewöhner company also has available in its range an efficient two row windrowing device which places the crop into an accurate windrow, ready for lifting by the Wühlmaus 1033.

Equipped with the WÜHLMAUS 1033 to be much less than 1%

The technology used in the design of this machine offers the benefits of our latest developments in root harvesting. We can now offer the farmer a machine which totally meets with his requirement for high capacity, low damage harvesting, with minimal losses.

This leaflet describes that machine, the WÜHLMAUS 1011/1033.

Invented by WÜHLMAUS produced by WÜHLMAUS

For further information please contact your WÜHLMAUS dealer who will also be able to arrange for your own demonstration, or contact us direct.



Our factory site, comprising a total area of 40.000 sqm – Production area being 20.000 sqm. (Air phototopography released by the District Government of Weser-Ems/W.-Germany.

WÜHLMAUS	1011		1033	
Type	unloading hopper	tipping bunker	unloading hopper	tipping bunker
length	6850		7580	
width				
in operating position	4150	3050	4150	3050
in transport position	3000	2600	2940	2600
height				
in operating position	3580	2500	3580	3100
in transport position	3210	2500	3100	3100
ground clearance in transport pos.	250		250	
capacity	1950 kg	5,4 m ²	1950 kg	5,4 m ²
unloading height (height of truck/trailer)	(800) 1500 b. 2900	1350	(800) 1500 b. 2900	1350
discharge height of unloading hopper	1800 bis 3200	----	1800 bis 3200	----
weight/kos	2650	2350	2920	2620
tyres/tyre pressure	11,5/80 – 15.3 8 PR Impl./3 bar			
track adjustable for row widths	from 62.5 to 90 cm			
width of sieving web, sifting area	650 mm, 2,22 m ²			
sieving web spacings	32, 36, 40, 45 mm			
width of haulm conveyor	--	--	750	
spacing of grading rollers	26,5 – 31,5 – 36,5 – 41,5 – 46,5			
power requirement				
daily output up to	1,2 ha		1,5 ha	
Technical information and illustrations are not binding and subject to modifications.				

The WÜHLMAUS 1011/1033 series is a superb example of the technical superiority, evident throughout the WÜHLMAUS range of products.

WÜHLMAUS philosophy means:

- simplicity
- clear, unobstructed crop
- flow path
- all parts easily accessible
- easy maintenance

WÜHLMAUS leads the way with potato harvester design, setting the standard by which others must be judged.

You can purchase your new harvester from WÜHLMAUS with complete confidence. All WÜHLMAUS machines carry our guarantee of high capacity, easy operation, and simple construction for low maintenance and running costs. All these features are combined with a comprehensive level of equipment, and at a reasonable price.

WÜHLMAUS technology has been proven over and over again, in fact 100.000 times in 35 years, at any time, WÜHLMAUS are one step ahead.

We can offer you the best machines featuring offset lifting, simply because our experience is your advantage.



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