



 Soil cultivation

 Planting

 Harvesting

 Storage

 Grading

DEWULF KWATRO
4-ROW SELF-PROPELLED
SIEVING HARVESTER

dewulf
enjoy growing

EXPERIENCE THE CAPACITY OF A TRUE 4-ROW HARVESTER

The Dewulf owner is progressive and tenacious. Reliable in everything he does. A hard worker who is, above all, proud of his profession. Upscaling in agriculture motivates him to

place greater focus on more efficient production methods and do so in the most economical way possible. There is no place for compromise.



PURE CRAFTSMANSHIP

In 2010, Dewulf was the first manufacturer to combine frontal harvesting with a traditional sieving path, hedgehog unit and cleaning modules, all with the largest bunker on the market. Dewulf has since continued to improve the harvester with new innovations while never detracting from what makes the machine so unique. Over the years, the Kwatro has built a strong reputation as a master of the field, anytime, anywhere. In 2015, the Kwatro underwent some notable

transformations and the message was loud and clear: Dewulf listens closely to the professional user in the field.

HIGHEST QUALITY

With its luxurious cabin, equipped with simple controls that allow the driver to concentrate fully on the task at hand, harvesting with the Kwatro is truly sublime. The harvester is built from high quality, easily replaceable standard components that are available worldwide. Reduced maintenance and increased productivity make harvesting enjoyable during the most crucial time of year.

POTATO-FRIENDLY, FRONTAL HARVESTING

Thanks to the frontal harvesting concept, the potato ridges remain intact and you are assured of a quality product. Beyond that, this concept makes it extremely easy to switch between various harvesting kits (for different vegetable crops). The haulm topper features superbly balanced flail distribution, resulting in high suction power. The rotor hood is largely made of wear-resistant synthetic material, which prevents the adhesion of soil. The ADC (automatic depth control) with two skids perfectly follows the ridges.

The harvesting unit is equipped with automatic depth control (ADC) based on two skids, separate harvesting shares and large, hydraulically driven discs. The harvesting unit is supported by a robust system of support rollers between the ridges and automatic pressure control (APC). With the skids positioned between the ridges, the harvester automatically follows the rows (DAS). Closure flaps prevent the loss of potatoes when raising the harvesting unit. This mechanism also prevents losses due to possible driver errors.



HAULM TOPPER WITH SIDE DISCHARGE (OPTION)



CLOSURE FLAPS & DEPTH CONTROL



HYDRAULICALLY DRIVEN HAULM TOPPER

The sieving path consists of a digger web followed by two sieving conveyors, without narrowing, which enables the driver to reach harvesting speeds of over 9 km/h (5.60 mph). The Kwatro uses a short digger web first. It then divides into two sections, so it is also possible to harvest just two rows. A hydraulically driven haulm divider prevents haulm build-up. Large haulm intake rollers prevent obstructions on the outside. The transition to the second sieving conveyor is very smooth indeed. A flexible bend halfway along sieving

conveyor 2 allows the harvesting unit to perfectly follow the profile of the field without changing the drop height between the digger web and sieving conveyor 2. Turning frame parts are only found in the sieving path, which eliminates all risks of accumulation. A cunningly designed return path for the sieving conveyors then prevents soil from accumulating in the webs.



	0.51 kg/cm ² empty 0.75 kg/cm ² full	
	0.92 kg/cm ² empty 1.40 kg/cm ² full	
Mitas 1250/50 R32 @ 1.4 bar		
	0.51 kg/cm ² empty 0.75 kg/cm ² full	

	0.17 lb/sq in empty 0.26 lb/sq in full	
	0.31 lb/sq in empty 0.48 lb/sq in full	
Mitas 1250/50 R32 @ 1.4 bar		
	0.17 lb/sq in empty 0.26 lb/sq in full	

KWATRO



KWATRO XTREME



HARVESTING UNIT	KWATRO	KWATRO XTREME
Width of digger web	2 x 1460 mm (2 x 57")	2 x 1760 mm (2 x 69")
Hydraulically driven cutting discs	•	•
Haulm intake rollers	•	•
Diabolo kit	o	-
Spray track detection	•	•
Truck spot	o	o
APC (Automatic Pressure Control)	•	•
DAS (Dewulf Automatic Steering)	•	•
ADC (Automatic Depth Control)	•	•

SIEVING WEBS	KWATRO	KWATRO XTREME
Length sieving conveyor 1	1870 mm (74")	1870 mm (74")
Length sieving conveyor 2	3250 mm (128")	3250 mm (128")
Length sieving conveyor 3	2280 mm (90")	2280 mm (90")

HAULM SEPARATION	KWATRO	KWATRO XTREME
Haulm topper with ADC	•	•
Haulm topper with side discharge	o	o
Haulm roller	•	•

CLEANING	KWATRO	KWATRO XTREME
Rotating agitator in the digger web	o	o
2 eccentric agitators in sieving conveyor 2	•	•
Eccentric agitator in sieving conveyor 3	•	•
Hedgehog unit	•	•
Flexyclean® 2.0	o	o

DIMENSIONS	KWATRO	KWATRO XTREME
Total length during harvesting	14 892 mm (586")	14 892 mm (586")
Total length during transport	14 090 mm (555")	14 090 mm (555")
Total width	3500 mm (138")	4100 mm (161")
Total height	4000 mm (158")	4000 mm (158")
Weight from	28.75 tonnes (31.59 ton)	30.25 tonnes (33.34 ton)

• : standaard o : optional - : not possible

OPTIMAL CLEANING, WHEREVER AND WHENEVER YOU WANT

In wet conditions harvested potatoes tend to stick together in clods. The Kwatro or Kwatro Xtreme first transports the potato flow over a wide hedgehog unit that breaks up these clods into smaller pieces before they reach the cleaning module. This boosts the cleaning capacity, and perfectly distributes the potato flow across the entire width. Even in dry

conditions, the hedgehog unit serves as the ideal cleaner for residual haulm and weeds. The inclination angle is adjustable to match conditions, as are the speed and direction of rotation.



FLEXYCLEAN® 2.0

The Flexyclean® 2.0 cleaning module incorporates advancements developed since the first generation. It is a patented bypass system in combination with 30 (Kwatro) or 36 (Kwatro Xtreme) axial rollers, which allows you to perfectly accommodate all conditions. The Flexyclean® 2.0 allows you to continuously adjust the degree of potato cleaning, from 0 to 100%. The axial rollers can be tilted down with the aid of a hydraulic cylinder for easy replacement of the rollers and convenience during daily maintenance. Its simple construction and double drive ensure a trouble-free harvesting season, even in the most challenging conditions.

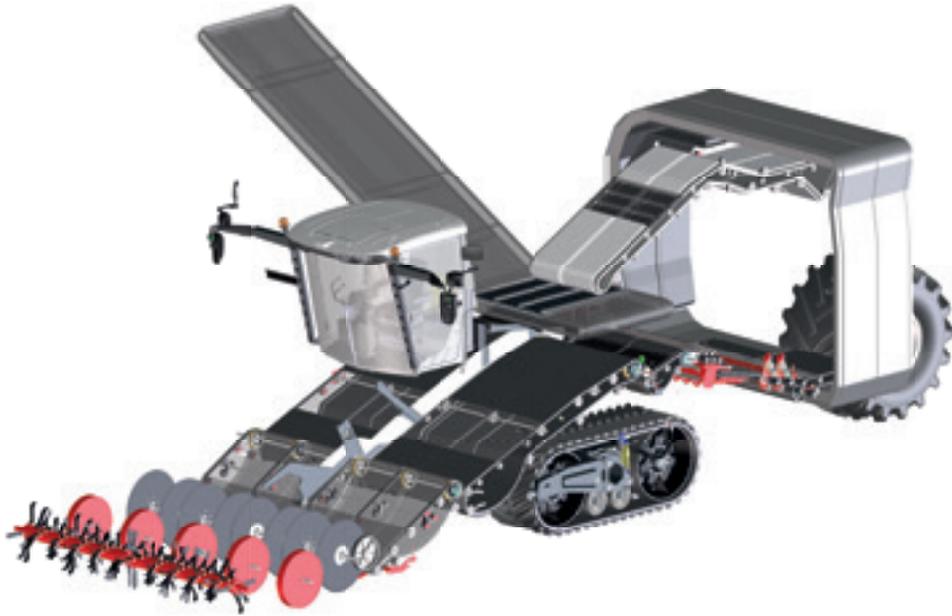
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Degree of cleaning

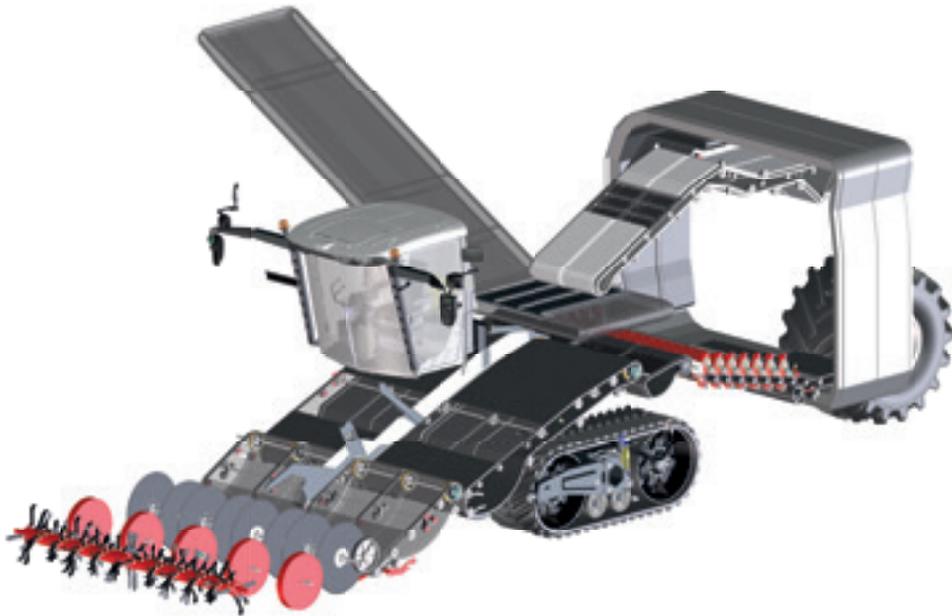
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KWATRO XTREME FLOW (AXIAL + EASYCLEAN)



KWATRO XTREME FLOW (EASYCLEAN)



HARVESTING UNIT	AXIAL + EASYCLEAN	EASYCLEAN
Width of digger web	2 x 1760 mm (2 x 69")	2 x 1760 mm (2 x 69")
Hydraulically driven cutting discs	•	•
Haulm intake rollers	•	•
Spray track detection	•	•
Truck spot	o	o
APC (Automatic Pressure Control)	•	•
DAS (Dewulf Automatic Steering)	•	•
ADC (Automatic Depth Control)	•	•
SIEVING WEBS		
Length sieving conveyor 1	1870 mm (74")	1870 mm (74")
Length sieving conveyor 2	3250 mm (128")	3250 mm (128")
Length sieving conveyor 3	980 mm (39")	980 mm (39")
HAULM SEPARATION		
Haulm topper with ADC	•	•
Haulm topper with side discharge	o	o
Haulm roller	•	•
CLEANING		
Rotating agitator in the digger web	o	o
2 eccentric agitators in sieving conveyor 2	•	•
36 axial rollers + 2 smooth, active cleaning rollers alternating with 3 Easyclean rollers	•	-
7 (4+3) active, smooth cleaning rollers alternating with 9 Easyclean rollers	-	•
DIMENSIONS		
Total length during harvesting	14 892 mm (586")	14 892 mm (586")
Total length during transport	14 090 mm (555")	14 090 mm (555")
Total width	4100 mm (161")	4100 mm (161")
Total height	4000 mm (158")	4000 mm (158")
Weight from [kg]	30 tonnes (33.07 ton)	30 tonnes (33.07 ton)

• : standard o : optional - : not possible



KWATRO XTREME FLOW (AXIAL + EASYCLEAN)

This variant consists of a combination of 36 axial rollers and an Easyclean unit. The speed of the axial rollers is adjustable, as is the inclination of the Easyclean unit, from 0 to 12 degrees. The Easyclean module is fitted with 2 smooth, active cleaning rollers alternating with 3 Easyclean rollers. The speed, height, opening and direction of rotation of the smooth, active cleaning rollers, as well as the speed of the Easyclean rollers, can be adjusted from the cabin to match the conditions. This solution is suitable for customers who harvest in relatively wet conditions.



KWATRO XTREME FLOW (EASYCLEAN)

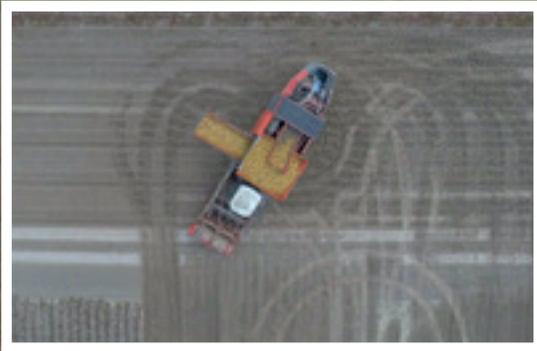
The double Easyclean module consists of 7 (4+3) active, smooth cleaning rollers alternating with 9 Easyclean rollers. To perform its work as precisely and delicately as possible, the Easyclean module is divided into 2 groups of linked, active, smooth cleaning rollers, the first having 4 and the second 3. This mechanical regulation system allows users to control the speed, height, opening and direction of rotation of both groups of active drive rollers separately. Moreover, the speed of the Easyclean rollers can also be easily controlled from the cabin. In addition, the degree of cleaning can be set extremely precisely by adjusting the inclination of the module between 0 and 12 degrees. The current setting is shown visually on the control unit.



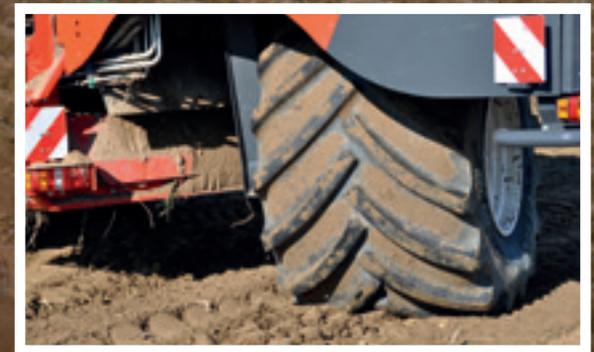
MASTER OF THE FIELD, ANYTIME, ANYWHERE

The perfected weight distribution, 900 mm (36") wide tracks and super-wide rear wheel (Mitas 1250/50 R32) ensure perfectly flat ground after harvesting, with minimal compacting. The Kwatro has the lowest ground pressure per cm²/sq in the market without overloaded rear wheels or narrow wheels at the front that dig in deeply between the ridges. Optionally, it is possible to have an extra wheel axle between the tracks which perceptibly reduces the

load on the tracks. Thanks to a maximum rear wheel steering deflection of 60°, the harvester is surprisingly manoeuvrable, even on the smallest fields. The tracks automatically assist with steering once the rear wheel reaches a certain angle. The traction power can be adjusted per track/wheel, ensuring that harvesting can continue in even in the most challenging circumstances and weather conditions, which makes the Kwatro supremely reliable.



Claas Terra Trac
(900 mm x 2950 mm / 36" x 116")



Super-wide rear wheel (1250/50 R32) with a tyre pressure of 1.4 bar.

A LARGE BUNKER CAPACITY

The Kwatro has a very spacious 17.8 m³ / 4500 gal bunker with automatic filling. This is a major advantage when harvesting from long fields with a large yield. The one-part bunker makes it possible to unload the entire bunker quickly or to unload on the move. Optionally, you can opt for a two-part, 15.3 m³ / 4000 gal bunker (not possible on the Kwatro Xtreme or Kwatro Xtreme Flow) to obtain additional sieving capacity. The bunker is equipped with a hydraulic tensioner, ensuring that the bunker chain always has the desired tension, which reduces wear. The bunker discharge height ranges from a minimum of 1800 mm / 71" to a maximum of 4200 mm / 165".



The one-part, 17.8 m³ / 4500 gal bunker guarantees fast unloading.



Optional two-part, 15.3 m³ / 4000 gal bunker for additional sieving capacity. (not possible on the Kwatro Xtreme or Kwatro Xtreme Flow).





A PLEASANT WORKING ENVIRONMENT

Comfort and ergonomics have been given new meaning. Thanks to an excellent view of the harvesting unit, the harvesting experience with the Kwatro is sublime. The harvester can be operated easily by means of a joystick, harvesting control unit and drive control unit. All the controls are close together, ensuring convenient operation. Pedals are provided for steering the tracks and controlling the machine inclination.

The ergonomic joystick fits comfortably in the hand without requiring too much hand movement. The joystick has 20 buttons, providing direct control over sufficient functions. It is also possible to link various harvesting parameters to five configurable preselections, enabling you to completely reconfigure the machine at the touch of a button.



POWERFUL ENGINE, LOW FUEL CONSUMPTION

The Kwatro has a 500 hp Scania DC13 Stage V or DC13 Tier 4f engine. The cooling works independently from the engine, so you have more freedom in terms of engine speed. All cooling circuits are connected to one radiator (H2O, intercooler, oil and air conditioning) with proportional control of the reversible fan. The engine conforms to the most stringent emission requirements.

The engine speed is limited to 1550 rpm for on-road driving, and the normal operating range lies between 1250 and 1750 rpm (depending on the conditions). This means high performance yet economical operation.

The transversely mounted engine provides excellent accessibility, and the user-friendly ladder makes the daily inspections and refuelling quick and easy. As a result, a minimum of valuable time is wasted during the most crucial harvest period.

THE HIGHEST QUALITY

This world class harvester is built with the highest quality standard materials in the market and is designed to meet the most stringent requirements.



Maximum use of pipes = no rubbing between hoses



Easy access to daily checkpoints and for refuelling

FLEXIBILITY FOR VARIOUS VEGETABLE CROPS

- Potatoes
- Industrial carrots
- Chicory
- Onions
- Beetroot
- Turnips
- ...



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