



# Multivator Multifunctional cultivator



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## Perfect seed bed? Maximum yield!

*When cultivating potatoes, the preparation of the seed bed is crucial. A good soil structure in the ridge ensures a good water management and temperature in the ridge, which in turn have a positive influence on the tuber setting and prevent tuber deformation. Also important: an optimal crumbling while planting is the first step towards a successful harvesting season.*



### ■ Perfect seed bed

The Multivator was designed as a replacement for the power harrow for potato planting. The advantages of the front cultivator are quite clear:

- Uniform crumbling (100 hook tines): no dust, no clods.
- No chance of smearing underneath the ridges, making it possible to plant earlier in the season.
- A higher capacity with a lower fuel consumption.

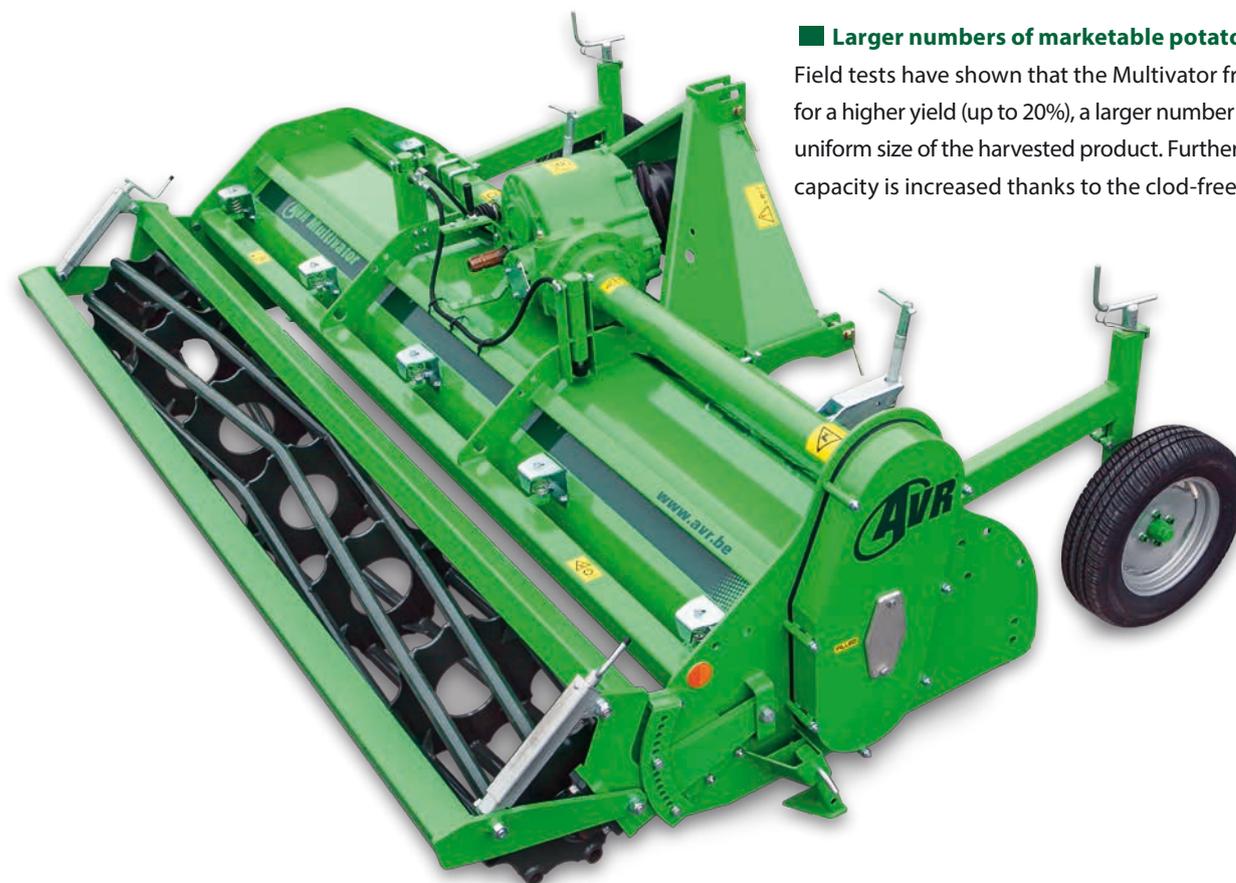
By creating small ridges in front of the tractor and installing subsoiler wheels on the tractor, it is possible to plant in non-cultivated soil at the rear.





### ■ Larger numbers of marketable potatoes

Field tests have shown that the Multivator front cultivator allows for a higher yield (up to 20%), a larger number of tubers and a more uniform size of the harvested product. Furthermore, the harvesting capacity is increased thanks to the clod-free ridges.



### ■ Working depth

The amount of loose soil that is created during the preparation of the seed bed, largely determines the volume of the ridge and, more importantly, the internal ridge height (distance between the potato and the row top). Using the Multivator, you can work deeper using less power when compared to a power harrow. The working depth can easily be set using the depth control wheels and spiral roller (pin/hole adjustment).

### ■ Consistent tine depth

The power that is exerted on the rotor and drive is equally distributed as the hook tines are mounted in a helix shape. The helix runs from the middle towards both sides, eliminating any transversal forces and stabilizing the front cultivator.

### ■ KEEN & GREEN:

*The tines' impact is continuous at all times, avoiding any peak loads, this leads to a lower maximum required power.*



#### ■ Springloaded cover

One of the secrets of the Multivator's excellent operation is its springloaded cover. The cover is mounted using ten springs, making it move continuously. These vibrations prevent any soil from sticking to it: the machine will not get clogged, meaning it will not need cleaning. Furthermore, as the tines are no longer rotating in compressed soil, less power is lost and less wear is noticeable.

#### ■ Flat furrows with the equalisation bar

The Multivator can be delivered equipped with an equalisation bar which flattens the furrows so the seed bed remains level.





### ■ Versatile application

The Multivator's three point hitch can easily be adjusted, allowing for the machine to be used at the front and back of the tractor. Cultivating grassland, soil preparation in front of the tractor for sowing wheat or planting Brussels sprouts seed bed preparation for potatoes... The Multivator can do it all!

### ■ Adjustable rotor speed

The Multivator is equipped with a 3 speed gear-box, allowing the user to perfectly adapt the rotor speed to the field conditions; the result of this is a fine seedbed and lower fuel consumption. The rotor speeds are 352/430/508 rpm.



### ■ KEEN & GREEN:

*The equalisation bar flattens the furrows to ensure optimal seed bed preparation.*



### ■ Noses

By default, the machine is equipped with a full width plate with noses that free up the wheel tracks. If rowcrop wheels are mounted on the tractor, it is possible to plant in non-compacted, loose soil behind the tractor. When ridging is immediately performed, the seed potato will be positioned perfectly in the center of the ridge, with a sufficient amount of well-crumbled soil in the ridge and with no soil compression underneath the ridge.

Optionally, a ridging hood can be installed that creates small ridges in front of the tractor. This is useful when working on heavier soil types, as it ensures sufficient soil is available for creating the final ridges after one working pass.

### ■ Optional driveline to suit the tractor & soil type

There are two different Multivator versions: a Multivator Farmer and a Multivator HD (Heavy Duty). The Multivator Farmer is equipped with a 3 speed gear-box and a chain drive on the side (suitable for up to 160 hp of power). The rotor speed is 344 rpm in first gear, 410 rpm in second gear and 488 rpm in third gear. On the rotor axle, 40 x 10 mm hook tines are mounted.

The Multivator HD is equipped with the well-known 3 speed gear-box of the GE-Force. The side drive is a sprocket gearbox that is mounted independently on the frame. This drive line can handle up to 250 hp of power. 50 x 12 mm hook tines are mounted using M16 and M12 safety bolts.





#### ■ Standard version

##### **Multivator Farmer 4 x 75**

- PTO with shearing bolt link
- Levelling plate with V-shaped noses
- V spiral roller for front mount
- 2 depth control wheels (pneumatic tire 175/70R13)
- 100 welded hook tines (40 x 10 mm)
- Spring-mounted self-cleaning cover
- 3 speed gear-box with continuous axle (3 V) (<160 hp)
- Side drive via HD roller chain (1 3/4")
- Weight: +-1.400 kg
- Dimensions (l x w x h): 1.75 x 3.30 x 1.20 m

##### **Multivator HD 4 x 75**

- PTO with cam clutch (2,250 Nm)
- Reinforced frame
- Levelling plate with V-shaped noses
- V spiral roller for front mount
- 2 depth control wheels (pneumatic tire 175/70R13)
- 100 welded heavy hook tines (50 x 12 mm)
- Spring-mounted self-cleaning cover
- 3 speed gear-box with continuous axle (3 V) (<250 hp)
- Side drive via sprocket gearbox (+ counter weight)
- Weight: +-1.700 kg
- Dimensions (l x w x h): 1.40 x 3.40 x 1.20

##### **Multivator 4 x 90**

- PTO with cam clutch (2,250 Nm)
- Levelling plate with V-shaped noses
- V spiral roller for front mount
- 2 depth control wheels (pneumatic tire 175/70R13)
- 128 welded heavy hook tines (50 x 12 mm)
- Spring-mounted self-cleaning cover
- 3 speed gear-box with continuous axle (3 V) (<250 hp)
- Side drive via sprocket gearbox
- Weight: +-2.000 kg
- Dimensions (l x w x h): 2.70 x 3.95 x 1.30



#### ■ Options

- Equalisation bar
- Cleaning system for movable cap using hydraulic cylinders
- Road lighting with indication of width
- Accessories for rear mount spiral roller
- 3 point for mounting tractors with short lifting arms
- WIDIA hook tines



*Our KEEN & GREEN quality label indicates that our machines are equipped with techniques that promote durability and ease of use.*

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■ **KEEN**

*AVR never stops innovating and designs smart machines that make your work life easier and allow you to maximize your profits.*

■ **GREEN**

*Our machines are not only called green because of their striking color, but also because of their durability. The machines consume as little fuel as possible, and their solid construction ensures a very long lifespan. This means you will have recovered the costs of your investment in no time.*



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AVR bvba | Meensesteenweg 545 | 8800 Roeselare, Belgium

T +32 51 24 55 66 | F +32 51 22 95 61 | [info@avr.be](mailto:info@avr.be)

[www.avr.be](http://www.avr.be)

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