



# Combi machine: Ecoridger, Speedridger, Weeder



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## One purchase, three machines

The AVR Combi machine combines three functions in one frame. By simply switching some components, you can choose what machine to use: Ecoridger: scraping weeds from the ridges.

Speedridger: building the ridges.

Weeder: cutting weed.

Thanks to this machine, shaping beds and preventing weed growth has never been easier. The secret of the Combi machine is its inventive weight transfer system that uses the tractor's weight to exert pressure on the ridging hood.

### Ecoridger



Ecoridger: scraping weeds from the ridges

#### ■ Eco-friendly weeding the ridge sides

The Ecoridger executes two steps:

1. First, the scrapers remove a thin layer of soil and any weeds that are present from the ridge sides. The loosened soil covers and suffocates the weeds.
2. Next, the High-Speed ridging elements repress the soil so as to make sure the ridge sides are solid again.



#### ■ KEEN & GREEN:

The Ecoridger is the perfect solution for mechanical weeding in the potato cultivation industry, or for leveling up the ridges, even when the potato plants are already budding.

## Eco-friendly weeding the ridge sides

### ■ User-friendly

The Combi machine can be configured quickly and – thanks to the threaded spindles – virtually without any tools, which makes the machine extremely user-friendly.



Speedridger: building the ridges



Weeder: cutting weed

### ■ QUOTE:

Damien Depraetere:

*"The Ecoridger is a well-equipped machine that is able to shape ridges under just about any circumstances thanks to the composition and adjustment of the instruments/top link force. As far as weeding in our potato fields is concerned, this machine is irreplaceable."*

*Shaping ridges in no time*



*Speedridger*



■ **Solid ridge construction in lighter soils**

If you are working with lighter soils, you have undoubtedly noticed that constructing a solid ridge is not always straightforward. The Speedridger's components have been developed to be able to do just that, both at high speeds and in lighter soils.

■ **This feat is achieved by means of four components:**

1. The weight transfer system
2. The crumbling or breaking tines
3. The ridging discs
4. The High-Speed ridging hood  
(also used on the AVR cultivators)





### ■ The ridge forming plates last longer

For the Speedridger, thicker forming plates with a diameter of about 6 mm have been designed (for a 75 cm hood) so as to reduce wear in sandy soils. The forming plates allow you to create high ridges with wide tops (17 or 22.5 cm) at high driving speeds. Furthermore, the plates are not affected by plants such as grass pollen. The discs are mounted in pairs and their depth is independently adjustable. This construction ensures a uniform soil distribution and an optimal protection against stones and other obstacles.



### ■ More fuel-friendly

Because of the large discs and the weight transfer system, the machine requires a very low pulling force, which leads to a 20 to 30% lower fuel consumption and cost.



### ■ Loose ridge top

By removing the guard plates from between the ridging elements, the Speedridger is able to construct ridges with a loose top. This will allow rain water to easily penetrate the ridges, resulting in an optimal water management. If the guard plates are removed, it is also possible to use the machine in fields with crops that are already in a further stage of development, without damaging them.



## Weeding ridges for other crops

### Weeder



#### ■ Uniform working depth

The weeding elements are mounted to the base frame by means of hinges. This construction makes sure that the weeder's wheel follows the ridge sides' surface, resulting in a uniform working depth. The weeder's angle, height and depth are steplessly adjustable.

The pressure on the weeding elements can be adjusted in three steps based on the firmness of the ridge sides. Each weeding element is equipped with a large wheel (200 x 65 mm) with flex tire. The ridging elements that ensure a solid rebuilding of the ridges are also present on this machine.



#### ■ KEEN & GREEN:

*The Weeder is a mechanical weed killer which can be used for crops that are grown on ridges, such as Belgian endive, carrots and potatoes.*



#### Options:

- Crumbling tines: 3 or 5 spring crumbling tines per row; tines for heavy soil; "goosefoot" for lighter soils
- Subsoilers in ridging elements
- Automatic control (ASI) = manual or automatic displacement with respect to the tractor's middle
- Pivot (for areas with steep inclines)
- Root protection
- Hill stabilization with sword
- Hill stabilization with discs

	Ecoridger	Speedridger	Weeder
Working width in cm*	4 x 75 / 4 x 90	4 x 75 / 4 x 90	4 x 75 / 4 x 90
Weight in kg	690 / 890	690 / 890	690 / 890
Spring pressure	Adjustable per element	Adjustable per element	Adjustable per element
Ridger	High-Speed	High-Speed	High-Speed
Pressure control	Hydraulic weight transfer system	Hydraulic weight transfer system	Hydraulic weight transfer system
Required kW/HP	52 / 70	52 / 70	52 / 70
Equipment	Leveling elements	Discs with bearings	V-shaped weeding
Options	Crumbling tines, tines light soil, tines heavy soil, subsoilers in ridging hood		

\*Other possible working widths are: 2 x 75cm, 2 x 80cm, 2 x 85cm, 2 x 34", 2 x 90cm, 2 x 36", 4 x 75cm, 4 x 80cm, 4 x 85cm, 4 x 34", 4 x 90cm, 4 x 36", 6 x 90cm.



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

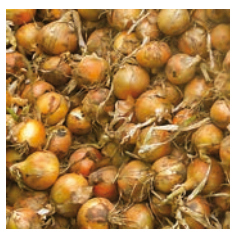
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■ **KEEN**

*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.*



AVR bvba, with head office in Roeselare, Belgium, produces a comprehensive selection of sophisticated machines for the potato industry (and other bulbous and tuberous plants). This includes planting bed preparation, planting, ridging, haulming, harvesting and crop handling. Our mission is to make sure that more marketable products end up in the hangar using less input. So as to be able to offer you optimal support, we invest for instance in an extensive dealer network and a strong service department. AVR employs about 130 employees internationally, has a network of 105 dealers and had a turnover of 48 million euros in 2014.



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

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