

POTATO TECHNOLOGY
BEET TECHNOLOGY
VEGETABLE TECHNOLOGY

GRIMME

Ridging hillers from the GH series

Ridge shaping and mechanical weed control



The GH series

GRIMME GH ridging hillers enable the build up of large volume ridges for the cultivation of potatoes and vegetable on light soils. Compared to rotary hillers, the ridging hillers use a passive-shaping soil cultivation method. This helps to reduce tractor power requirements and enables higher coverage across the field. Depending on the soil type, a range of height-adjustable loosening tines can be used to loosen the soil. The GH series comprises of four different types of machines for ridging 2 to 8 rows, available for row widths from 75 to 91.4 cm.



GH 2

The GH 2 is a 2-row ridging hiller for small structured agricultural areas. Due to its compact size, the GH 2 is ideal for smaller tractors with a minimum horsepower of 55 hp and a lower lifting capacity.



GH 4

The GH 4 is a 4-row ridging hiller for small and medium structured agricultural areas. Thanks to its light and compact design, the GH 4 requires very little lifting power and is perfect to use with small to medium-sized tractors from 70 hp upwards.



GH 6

The GH 6 is the ideal ridging hiller in combination with a 6-row potato planter or in separated beds. The GH 6 is the right choice for use on medium to large structured agricultural areas. To enable a quick transfer from field to field, the GH 6 can optionally be equipped with a hydraulically folding main frame.



GH 8

The 8-row ridging hiller GH 8 promises maximum area output on medium to large structured areas. The GH 8 is perfectly suitable when planting was done with a 4- or 8- row potato planter. The hydraulically folding main frame (option) allows a quick transfer from field to field with a transport width of less than 3 m.



Soil loosening

The loosening tines break up the soil between the ridges. This breaks up any existing soil compaction and provides enough loosened soil to build large-volume ridges.



Always the perfect choice

With a wide range of different loosening tines, the machine can be adapted to any condition.



No losses

The side plates help retain soil that is important for building and shaping structured ridges.



Ridging bodies

For building up the ridges high quality ridging bodies are used. On light soils with stones, spring loaded ridging bodies (standard) can be used. For light soils with medium-heavy conditions, without stones, the alternatively available, height-adjustable fix ridging bodies are suitable.



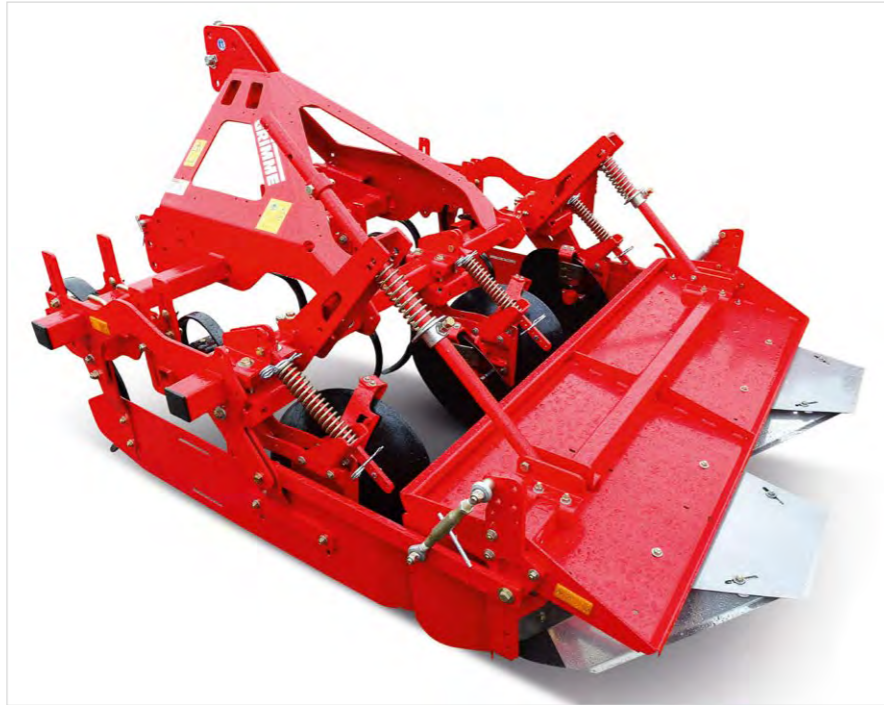
Easy to pull

Easy to pull ridging discs provide an effective way of crumbling the soil. Especially on lighter soils the combination with the following shaping board ensures the build-up of stable, large volume ridges. Compared to the ridging bodies, the ridging discs require considerably less tractor power.



Closed shaping board

The "closed" shaping boards for the ridging hiller GH 2 and GH 4 enable the build-up of loose to firm ridges with a smooth surface. The shaping boards are universally applicable on all soils.



Shaping board XL

XL shaping boards are available for bigger ridges with a scope of up to 1.05 m. On soils with a tendency to water logging, the XL shaping boards are the ideal solution, as it allows a slightly higher tuber placement in the ridge. In addition, the bigger ridges give more room for a larger tuber nest, meaning green tubers are reduced to a minimum.



Open top

The shaping boards of GH 2 and GH 4 are designed in such a way that they can be used "open top" or "closed top". When closed, they allow perfect shaping of the complete ridge. When using in potatoes with early leaf development, the insert plates can be removed quickly and easily.



Cage rollers

In order to improve water absorption of the finished ridges, cage rollers can be equipped for light soils. The cage rollers provide a light, airy ridge with an open-pored surface.



Extended care of your crop

The single row shaper can be used both for ridging directly after planting and for ridging in advanced vegetation with early leaf development. Because only the ridge sides but not the ridge top is re-compacted, the latter remains with loose soil, rainwater can be absorbed easily and thus ensures a good water supply for the growing crop.



Good combination

By use of insert plates and a cross tube, the single row shapers can easily be modified, to be used like a conventional shaping board. The cross tubes connect the single row shapers and provide additional stability.



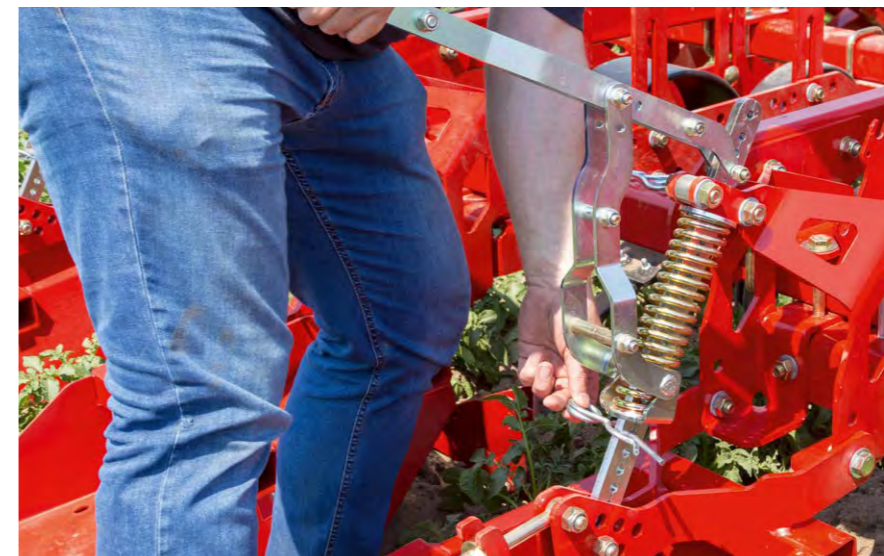
Short conversion times

Changing between a "closed-top" and an "open-top" single row shaper can be done quickly and easily with just a few simple steps.



Simple setting

The ridge pressure of the single row shaper can easily be adjusted to the different soil conditions by repositioning a spring clip in a hole model.



Spray track eradication

Spray track eradicators can be operated mechanically or hydraulically. The levelled ridges indicate where the spray tracks are located. Furthermore this provides a smooth, trouble-free and pleasant driving for plant protection.



Automatic side steering

The automatic side steering aligns the ridging hiller GH 4 to the sides of the ridges in order to avoid green potatoes.

The lateral shifting of the mounting kit automatically compensates for driving errors.



Exact depth control

The support wheels ensure stable depth guide and provide a smooth run of the machine. A grid of holes for the support wheels enables manual depth adjustment.



Smooth running

Additional support wheels can be fitted at the rear side to ensure smooth running of the ridging hiller. The L-shaped, centred ring on the support wheels improves lateral guidance on sloping ground.



Protection against erosion

To prevent soil erosion, dykers can be used between the ridges. Dykers are working in a passive way, they are driven without complicate technology. The creation of "collection zones" for rainwater improves the infiltration rate.



Secure guiding on slopes

The guide disc enables the machine to be guided stably on slopes. It can be adapted to different soil conditions by various adjustment settings.



Simple road transport

For safe transport from field to field on the road, the 6- and 8-row ridging hillers can be optionally equipped with a hydraulically foldable main frame, to get a transport width of less than 3 m. The number of ridges can be easily reduced by folding the main frame on one side.



GH Eco

Crops, which are grown in ridges tolerate little competition from weeds until complete canopy establishment. For this reason, effective and accurate weed control is necessary to achieve a good yield. Using the 2-, 4-, 6- or 8-row ridging hillers of the series "GH Eco", it is possible to perform mechanical weed control in crops which are grown on ridges up to the vegetation stage of canopy establishment without further chemical treatments.



Knife elements

Weed control is achieved using cutter elements fitted to the frame. For a perfect undercut of weed roots, small feeler wheels guide the pivoting knife elements along the contour of the ridge sides.



Mechanical weed control

The weeds which are growing on the ridge flanks, are undercut, then removed from the ridges and finally eradicated. This prevents the weeds from growing again as much as possible.



Harrows instead of cutting blades

On light, dry soils, harrows can also be used instead of blades for the care the ridges and for uprooting weeds.



Improved water absorption

Using a tine harrow guided on the ridge crown, it is possible to remove weeds before the crop emerges. Furthermore, soil-incrustations on the ridge crown are broken and the capacity of water absorption is increased.



Stable ridge shaping

The single row shaper following the cutting system forms a stable and even ridge.



Exact depth control

The knife elements are guided by means of large feeler wheels in a parallelogram. This allows the knife elements to adapt independently of each other, so that optimum depth control is always ensured for a perfect undercut of the weed.



Depth adjustment

Using the adjusting spindle, each knife element can be adapted to the ridge size. Furthermore, the knife element can be lifted so that the GH Eco can be used as a ridging hiller.



Technical data

Standard equipment

	GH 2	GH 4	GH 6	GH 8
Length of Type GH / GH Eco	1980 mm / 2950 mm			
Width	2280 mm	3270 mm	4780 mm	6280 mm
Height	1500 mm			
Empty weight with basic configuration	550 kg	950 kg	1300 kg	1530 kg
Empty weight of type GH Eco	800 kg	1300 kg	2800 kg	3700 kg
Number of rows	2	4	6	8
Row width	75 - 91.4 cm			
Lower linkage category	Cat. 2 / 3			
Engine power (min.)	40 kW	50 kW	65 kW	80 kW





No claims can be raised in respect of texts, illustrations, technical specifications, dimensions and weights, equipment as well as performance specifications. They are approximate and non-binding. Changes in the course of technical enhancement are possible at any time.



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