

POTATO TECHNOLOGY
BEET TECHNOLOGY
VEGETABLE TECHNOLOGY

GRIMME

GF Rotary Bed Tillers





GF Rotary Bed Tillers

The GRIMME range of GF Rotary Tillers offers UK growers the ideal solution for cultivation and hilling, whatever their system. GF Tillers are all designed and built to the same exacting standards with driveline options to suit tractors of different horse-powers and all kinds of UK ground conditions.

Similarly a choice of rotors plus a wide range of bed forming or cultivation options means they can be tasked with cultivations for a wide variety of crops, not just potatoes. Most important is the great finish they leave, which ensures the best possible start for your valuable seed.

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GF600 Rotary Bed Tiller

Key features at a glance:

2 x 250HP outer gearboxes – mounted externally. 2 year warranty.

Optional hydraulically adjustable parallelograms are available (not pictured).

Shearbolt protection for bodies.

Heavy duty rotor with 12mm speed blades or hook tines.

(Recommended option for working in beds) heavy duty 500 hp central gearbox with 2 year warranty. 350 hp gearbox fitted as standard.

Road lighting and transport kits fitted as standard.

Cat 3 linkage and heavy duty frame.

Hydraulic folding frame with 4 rams.

Reinforced, vibrating hoods – constant vibration reduces soil build up across the rotor hood and ensures performance is not impaired, even in the heaviest conditions. A new inner skin absorbs impacts from stones and debris.

Optional “Shapeforma” bodies with UK specification rollers (pictured). BF type (bedformer / mouldboard) bodies fitted as standard.

GF600 Rotary Bed Tiller

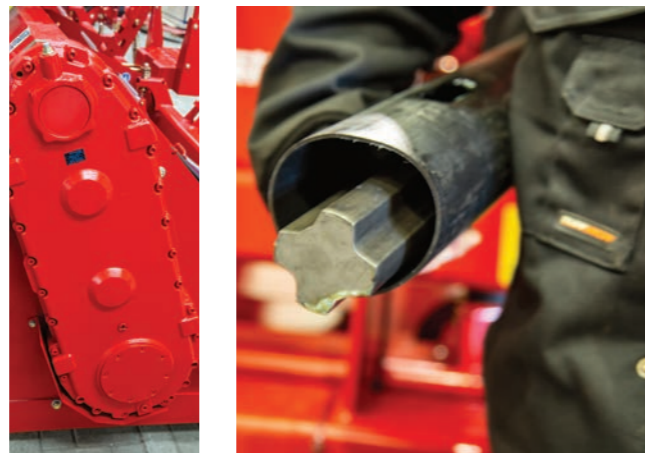
The six row GF 600 was designed, built and extensively tested to suit heavier conditions often encountered in the UK. The heavy duty driveline with a 500hp central gearbox and two 250hp outer gearboxes is the recommended option for working in beds, with either a speed blade or hook tine rotor.

Behind, there is a choice of a crumbler roller for full width tilling, a range of different bed-forming bodies or vegetable shaping hoods. The frame folds hydraulically for transport making this one of the most versatile and reliable tillers available to UK growers.



Heavy duty frame and driveline

The GF 600 has a heavy duty frame with Cat 3 linkage that folds hydraulically with four rams for transport. The 500hp centre gearbox option with 2 x 250hp outer gearboxes is recommended for working in beds. (350hp gearbox is standard). The centre gearbox has a strengthened solid pto to make full use of the power of tractors up to 325hp. The external drives to the outer gearboxes can have the additional protection of over-ride clutches.



Heavy duty rotors

There is a choice of rotors with either hook tines or 12mm speed-blades.



Choice of depth wheels

A choice of depth control options is available to suit different types of use and conditions. These include solid depth wheels with narrow or wide profiles or pneumatic tyres.



Vibrating hoods

The spring loaded hoods housing rotor shaft vibrate constantly to alleviate soil build-up above the rotor. This reduces blade wear and fuel consumption and ensures that performance is maintained even in the heaviest conditions.

Given the massive power of the GF600 an inner skin has been added to protect the hood by deflecting and absorbing additional wear and impact from stones and debris.



Bedforming bodies

A choice of BF, BFL or Shapeforma bodies is available to produce beds with a fine tilth. BF type bodies are fitted as standard but many UK growers prefer to specify the option of Shapeforma bodies with rollers to consolidate the sides of the bed. The bodies are shear-bolt protected and hydraulically operated parallelograms can be fitted as an option.

For vegetables, shaping hoods are available as is a crumbler roller for full width tilling in root crop and other cultivations.

A three point linkage is also available as an alternative mount for bedforming bodies.



GF400 Rotary Bed Tiller

Key features at a glance:

Bout markers – hydraulically operated to left and right sides.

Central 250HP gearbox with single 165HP side mounted gearbox as standard with option of side mounted gearboxes to each side with reinforced drive. 2 year warranty.

Road lighting kit fitted as standard.

Heavy duty rotor with 12mm speed blades or hook tines.

Cat 3 linkage and heavy duty frame.

Vibrating hoods – constant vibration reduces soil build up across the rotor hood and ensures performance is not impaired, even in the heaviest conditions.

Bed shaping – available with hoods for shaping 2 beds or 4 rows (with hydraulic pressure adjustment) or full width crumbler roller for an extended range of cultivations.

GF400 Rotary Bed Tiller

GF400 rotary tiller is extremely versatile and can be used in a number of ways including:

- Conventional rotary hilling
- Full width tilling
- In combination with a 4 row potato planter
- In combination with vegetable seeders, e.g., Grimme ProAir

It is designed and built to suit UK conditions with a heavy duty driveline option and the capability to work in combination with a planter or seeder to reduce the number of passes required to establish the crop.



Heavy duty frame and driveline

The GF 400 has a heavy duty frame with Cat 3 linkage. Drive is through a central 250HP gearbox and a single end-mounted 165HP gearbox. There is the option of drive to 165HP gearboxes mounted at each side of the machine, which makes the GF 400 one of the most powerful machines in its class. The external drives to the outer gearboxes have the additional protection of over-ride clutches.



Heavy duty rotors

There is a choice of rotors with either hook tines or 12mm speed-blades. For very heavy and stony soils a shaft with spikes is available (only on single driveline models).



Wheeled depth control

Two solid support wheels or tyres are available with a selection of supplementary wheels to suit different conditions. Wheeled depth control offers infinite adjustment.

Vibrating hoods

The spring loaded hoods housing the rotor shaft vibrate constantly to alleviate soil build-up above the rotor. This reduces blade wear and fuel consumption and ensures that performance is maintained even in the heaviest conditions. Stainless steel is available as an option.



Bed and row shaping

The GF 400 can work as a full width tiller with crumbler roller or be fitted with shaping hoods for 2 beds or 4 rows. The shaping hood pressure has hydraulic adjustment.



Terra Protect

This is an innovative GRIMME system that uses hydraulically controlled vanes to automatically create pockets in the soil at the row bottom to retain water evenly along the rows – much the same as reservoirs with a dam at each end.



GF200 Rotary Bed Tiller

Key features at a glance:

Cat 2 linkage and heavy duty frame.

Vibrating hood – constant vibration reduces soil build up across the rotor hood and ensures performance is not impaired, even in the heaviest conditions.

Optional hydraulically adjustable parallelograms are available.

1 x 165HP outer gearbox – mounted externally. 2 year warranty.

Shearbolt protection for bodies.

Optional “Shapeforma” bodies with UK specification rollers (pictured). BF type (bedformer / mouldboard) bodies fitted as standard.

Road lighting and transport kits fitted as standard.

Heavy duty rotor with 12mm speed blades or hook tines.

GF200 Rotary Bed Tiller

The GF200 Single Row Tiller is available in front or rear mounted versions.

The rear-mounted GF 200 is a 2-row rotary tiller which can be used as a rotary tiller or hiller and working with a crumbler roller it can produce a full width bed ideal for carrots. Used in conjunction with the Grimme BF200 Bedforma or Shapeforma bodies, the machine produces excellent ridge formation ahead of the destoning / planting operation. Alternatively, a crumbler roller is available on both front and rear mounted models.

The front mounted model, with crumbler roller can provide a well tilled bed in front of a rear mounted planter and is also able to incorporate nematicides into the bed ahead of the planter.



Heavy duty frame and driveline

The GF 200 has a heavy duty frame with Cat 2 linkage. Drive is through a single 165hp gearbox mounted at the side of the machine. The external drive to the outer gearbox can have the additional protection of an over-ride clutch.



Heavy duty rotors

There is a choice of rotors with either hook tines or 12mm speed-blades. For stony soils a spiked rotor is also available.

Vibrating hood

The spring loaded hood housing the rotor shaft vibrates constantly to alleviate soil build-up above the rotor. This reduces blade wear and fuel consumption and ensures that performance is maintained even in the heaviest conditions.



Bed and row shaping

The GF 200 can work as a full width tiller with crumbler roller or be fitted with shaping hoods for 2 beds or 4 rows. The shaping hood pressure has hydraulic adjustment.

A lifting frame is also available to carry a vegetable drill, for example the GRIMME ProAir.



Technical data GF-series

	GF 200	GF 400	GF 600
Working width	1.50 m	3 m	4.50
Number of rows	2	4	6
Row width	75 cm	75 cm	75 cm
Two point bottom linkage (in case of unfoldable frame)	Cat. 2	Cat. 3	Cat. 3
Two point bottom linkage (in case of foldable frame)			Cat. 3
Input speed p.t.o.-shaft	1000 rpm	1000 rpm	1000 rpm
Rotor speed	350 rpm	350 rpm	350 rpm
Tine rotor diameter	740 mm	740 mm	740 mm
Amount of tines for rotary hiller	32	64	92
Amount of tines for full-width setup	56	112	164
Engine power (min.)	50 kW	100 kW	160 kW



3 MODELS

OF THE GRIMME GF ROTARY BED TILLER

ARE AVAILABLE

FROM GRIMME UK LTD

GF200; GF400 & GF600



GF200

With rear linkage
to take BF200



GF400

4 x 90cm rows or
full width cultivation



GF600

With crumbler roller