



Innovations for the Future

- since 1997 -



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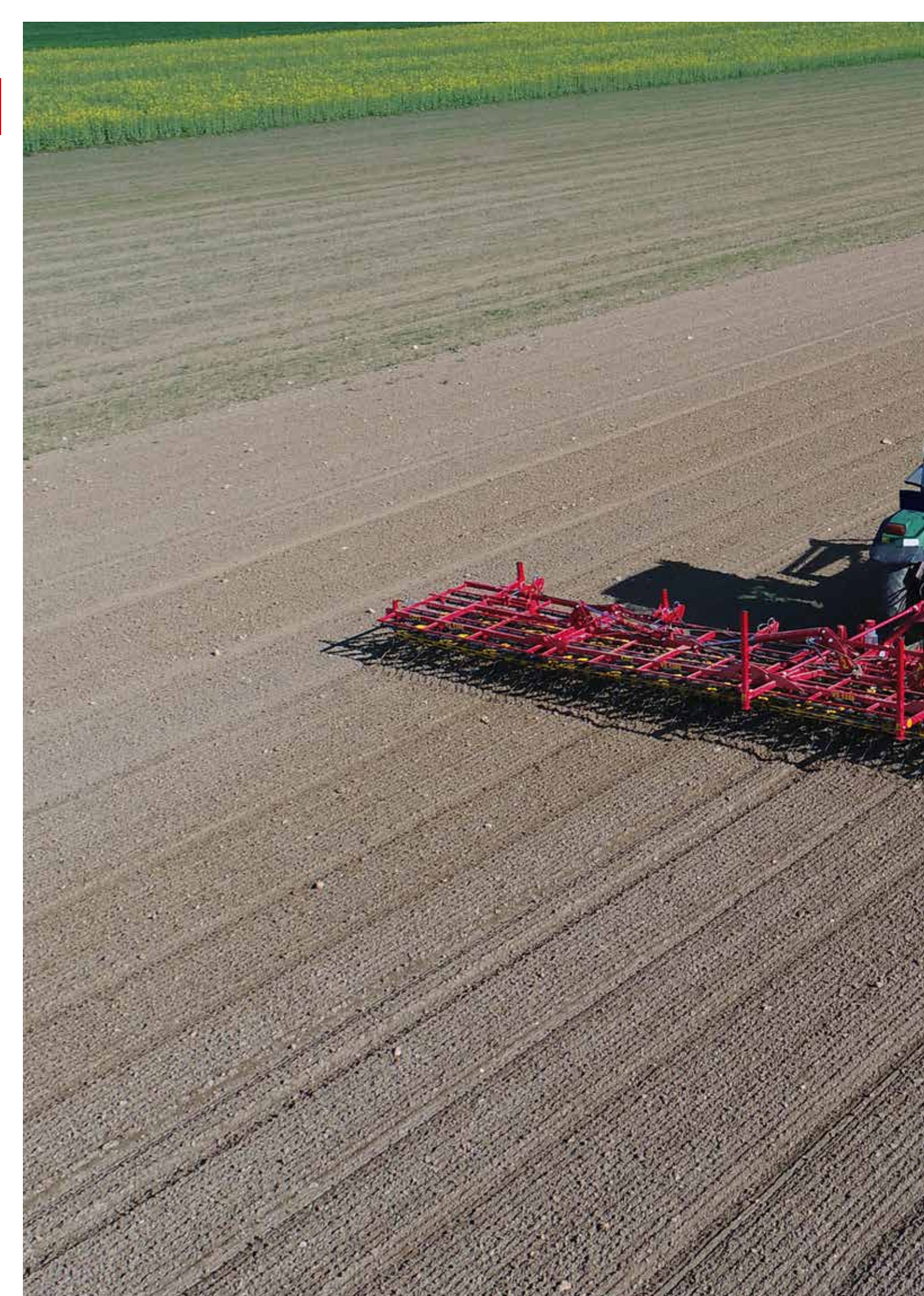
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TINED WEEDER PRO VS 600 M1 / VS 750 M1 / VS 900 M1 / VS 1200 M1

Innovative spring package guarantees optimal ground adaptation



INNOVATIONS FOR THE FUTURE



VS 600 M1 / VS 750 M1 / VS 900 M1 / VS 1200 M1

INNOVATIVE SPRING PACKAGE GUARANTEES OPTIMAL GROUND ADAPTATION

The Tined Weeder Pro VS adjusts with its unique tine spring system to the soil and protects the culture plant at the highest level. The tine pressure remains constant at different tine levels. As a result, crops planted on ridges, such as the potato, can also be harrowed. The tine pressure is identical on the ridge crown, ridge flanks and in the furrow. By the Tined Weeder Pro, the tines can also be lifted. The harrow tine, in contrast to the conventional Tined Weeder, is indirectly spring-loaded and pivots within the frame. The benefit of this is that the tine can only move downwards and upwards and not to left or right → a unique weed removal experience.

TECHNICAL DATA

↔ Working width	6.2 m / 7.6 m / 9.2 m / 12.2 m
✂ Transport dimensions (folded)	H 2.85 m x W 3.00 m x D 2.40 m (VS 600 M1) H 3.55 m x W 3.00 m x D 2.40 m (VS 750 M1) H 3.55 m x W 3.00 m x D 2.40 m (VS 900 M1) H 3.55 m x W 3.00 m x D 2.40 m (VS 1200 M1)
⚖ Net weight	800 kg / 900 kg / 1,100 kg / 1,500 kg
↑ Tines	520 mm
∅ Tine diameter	8 mm
↔ Tine spacing	35 mm
🔧 Mounting category	CAT 2 and CAT 2N
⊕ Feeler wheels	4 wheels / 4 wheels / 4 wheels / 6 wheels (16.0/6,5-8" tyres)
🚜 Tractor performance	37 kW / 50 HP; 44 kW / 60 HP; 55 kW / 75 HP; 66 kW / 90 HP

A double-acting control unit required for folding
A double-acting control unit required for the central tine pre-load

ITEMS INCLUDED

- Complete machine with 178 tines (VS 600 M1), 218 tines (VS 750 M1), 266 tines (VS 900 M1), 350 tines (VS 1200 M1) arranged on 6 rows
- Hydraulic tine adjustment
- Per tine one set of springs
- 2 pieces parking supports
- 4 or 6 pieces feeler wheels



BENEFITS OF THE TINED WEEDER PRO

EXACT

- Sophisticated tine spring system guarantees identical tine pressure over the full spring travel
- Each tine has its own spring package
- The tines can not only be pre-loaded, they can also be lifted (applied for patent)
- No lateral deflection of the tines in case of unevenness, furrows or crops planted on ridges



VERSATILE

- 20 mm longer wear tip in comparison to the competitor's product → longer life span
- Tine pressure adjustment can be reduced stepless down to zero
- Crops planted on ridges are protected, since the spring unit is mounted above the frame → high passage
- Feeler wheels can also be adjusted on the track or the row spacing



COMFORTABLE

- Hydraulic tine pressure setting
- Clearly visible scale for setting the tine pressure
- Hydraulic folding with series connection of the cylinder
 - When folding up the machine, the outer side frames fold up to the inner side frames and then to a 90 degree high position
 - Unfolding is done in the reverse order of folding up
- Adjustment handle for feeler wheels integrated in wheel mount



TECHNICAL DETAILS & ACCESSORIES

FUNCTIONING PRINCIPLE

The tines penetrate the soil while harrowing to a maximum depth of 2-3 cm to break up and crumble the top soil crust. This ensures better soil aeration and the capillarity is interrupted. The main focus of harrowing is to reduce weeds. While the tines move over the soil, bad herbs in the shoot stage or even in germination stage will be covered with soil or pulled out and discarded on top of the soil. There they wither and die off. This means that approximately 90% of the weed germs in the stock are decimated.



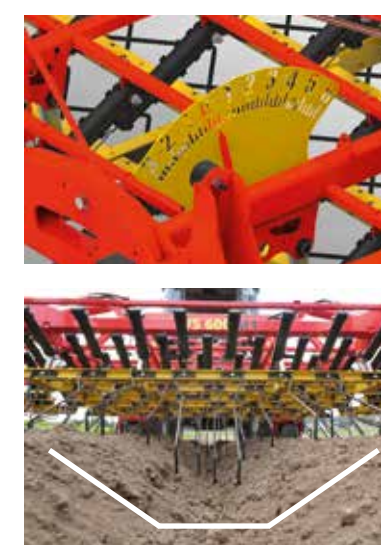
TINE SPRING SYSTEM

With the tine spring system the tines can be lifted so that harrowing is possible even in sensitive crops or in sensitive crop stages. This enlarges the time window, because the tine pressure can be reduced to the tine's net weight and thus no breaks for harrowing are required in sensitive plant stages.



SPECIFICITY OF THE TINES

The tines of the Tined Weeder Pro have a 20 mm longer wear tip (compared to the conventional product of competitors), which leads to a longer life span. Another particular benefit is the possibility to choose between conventional spring steel tines or carbide tipped tines. The Tined Weeder Pro with 8 mm tines with a 35 mm spacing apply the same tine pressure on the ground even at different tine levels. This enables harrowing of crops planted on ridges such as potatoes. The tine pressure is same on the ridge crowns, ridge flanks and in the furrow.



BENEFITS COMPARED TO COMPETITION

- The tines can not only be pre-loaded, they can also be lifted
- During transport the tines are faced flat to the frame → this ensures a safe road transport and a stable deposit of the machine, because the tines are in lifted up position
- Combination with APV Pneumatic Seeders with a capacity of up to 500 litres (PS 120 - PS 500) is possible
- 20 mm longer wear tip
- Tine pressure can be reduced stepless down to zero
- Higher passage and protection of the crop, as the spring is mounted above the tine bed



APPLICATION AREAS

- The VS prolonged the harrow period. Due to fine adjustments continuous harrowing (BBCH-stages) is possible.
- Crops planted on ridges, such as: Potato ridges
- Cereal stocks, such as: Wheat, spelt, rye, oats, ...
- Soya, corn, turnip, sunflower, rice, ...
- Special plantations such as milk thistle, poppy, peanut, ...



COMBINATION OPTIONS

- Usable with APV Pneumatic Seeders PS 120 M1 - PS 500 M2 with electric or hydraulic fan.
- The Tined Weeder Pro can also be fitted with carbide tipped tip on request. These are coated at the wear tip (6 cm).

ACCESSORIES

- Warning signs + lights
- Platform kit
- Mounting kit for PS 120 M1 - PS 500 M2

