HE-VA Sub-Tiller

Feel the Force ...

HE-VA
SUB-TILLER

Sub-Tiller
– The sub-surface force

Feel the force with a Sub-Tiller. HE-VA's range of Sub-Soilers is designed for minimum power requirement. The Sub-Tiller is loosening and lifting the soil effectively without bringing large unwanted clods and stones to the surface.

Strong construction in V-formation

The construction in V-formation ensures a good clearance and an even surface. The tine spacing is infinitely variable depending on the actual working task (only the central tine is fixed). This means that the Sub-Tiller can easily be set for e.g. tramline loosening with some tines removed.

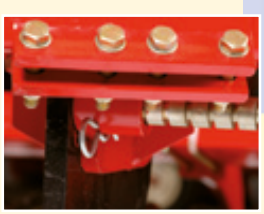
HE-VA Sub-Tiller is available in 6 different frame models: 2.0 m, 2.5 m, 3 m, 3.5 m and 4 m rigid as well as 4 m and 5 m with hydraulic folding. Each single model is available with the number of tines which meets the individual need of any farm.

4 m and 5 m models can be folded into a transport width of 2.43 m.

The working depth is controlled exactly by the hydraulic adjustable packing roller. At the depth scale the driver can exactly see the actual working depth.

STONE PROTECTION

For stony soil types a Sub-Tiller with hydraulic automatic release system is recommended. By a hydraulic cylinder mounted on each tine which is connected to two gas accumulating tanks, an automatic swing of a tine is ensured, if it comes into contact with unmovable stones. This system is also functioning as a shock absorber in stony soils, where it will catch the vibrations.



This unique Quick-Push stone protection consists of one special designed shearbolt with 8 steps per bolt, which will be cut over if a tine hits a stone. After a break of a shearbolt, remove the R-clip – place the shearbolt one notch forward, and after having mounted the R-clip again, the driver can continue the work - Simple and easy without using any tools.

ROLLER TYP

The ø600 mm V-profile is a serra pressed steel with a shoulder pro aggressive breaking of clods and surface finish. Effective scrapers between the rings making a prep and sticky soil conditions possibl

The ø550 mm square tube roller sectional tubes – ensures an exce control and breaks clods in lighte

The star roller 450/500 mm (sync the width) is built up by cast stee the soil with a loose structured a shaped surface.

SUB-TILLER T

HE-VA S depths 600 mm have 20 lifting a soil in t depth. tine avo and un surface.

The hardened steel cast wearing po ned for minimum power requireme at the bottom with an extra protec the side of the tine whereas it is na top in order to break/cultivate the minimum. The durable point is mo one bolt resulting in an easy and q ment.

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TINE

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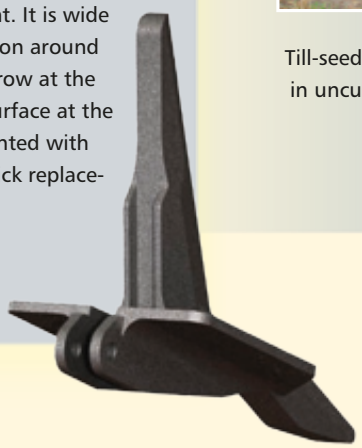


Till-Seeding

– Till-Seeding of rape and cover crops/green manure

Till-seeding of the three plants to the left.

The Sub-Tiller mounted with a HE-VA Multi-Seeder opens up the possibility of creating the optimal growth conditions for rape or cover crops such as mustard or oil radish.

When seeding together with soil loosening, plough pan or other structural damages are broken - meaning that the roots of the plants have free access to grow/develop into the deeper strata of soil. Hereby the plants' tap roots can get nutrients and in dry periods water from the deeper strata of soil.

Multi-Seeder – fine seed equipment - specially adapted for exact seeding of rape.

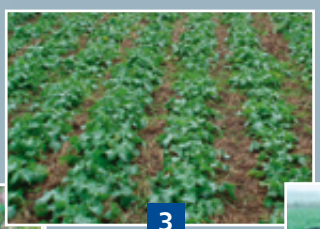
PERFECT SEEDING AND SOIL LOOSENING IN ONE PASS:

1

Till-seeding is performed in uncultivated stubble.

Perfect germinating and well protected against bad weather.

2

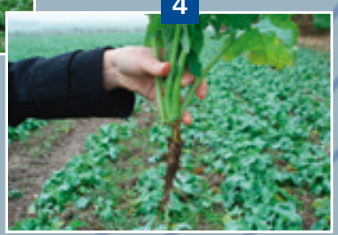


3

Optimal plant development with low growth height.

Strong developed plant forms the basis of good yield.

4



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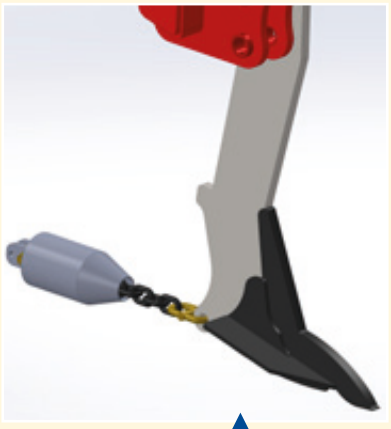
EXTRA EQUIPMENT:

Disc Ø450mm in front of tine

- stone protected via rubber suspension, bearings without maintenance (not f/retro mounting).



Drain-Torpedo -

for establishment of drain tunnels in the soil.

Wearing points -

3 types of wearing points are available. As standard the machine is delivered with 200 mm wing shares. Also available with wearing points with 120 mm or 350 mm wing shares.

Point, longlife -

w/tungsten tip and extra protection against wearing on the tine.

Easy Draft Kit

- 15 mm tine w/120 mm wearing point "ED" with tungsten tip. Avaible for retro mounting too.

Sub-Tiller Specifications

Working width	Type of stone protection	No. of tines	"Standard-mounted" row spacing mm *	Transport width m	Power requirement HP	Weight kg		
						Square tube roller	V-profile roller	Star roller 450/500 mm (synchronous 300 mm in the width)
2.00 m rigid Cat. 2/3	Quick-Push shearbolt	2	1,500	2.00	60-80		1,165	
		3	670	2.00	90-120		1,250	
	Hydr. automatic release system	2	1,500	2.00	60-80		1,235	
		3	670	2.00	90-120		1,355	
2.50 m rigid Cat. 3/4	Quick-Push shearbolt	2	1,800	2.50	60-80	900	1,415	
		3	900	2.50	90-120	985	1,500	
	Hydr. automatic release system	2	1,800	2.50	60-80	970	1,485	
		3	900	2.50	90-120	1,090	1,605	
3.00 m rigid Cat. 3/4	Quick-Push shearbolt	2	2,000	3.00	60-80	975	1,595	
		3	1,000	3.00	90-120	1,060	1,680	
		5	600	3.00	135-200	1,230	1,850	
	Hydraulisk automatic release system	2	2,000	3.00	60-80	1,050	1,665	
		3	1,000	3.00	90-120	1,170	1,785	
		5	600	3.00	135-200	1,410	2,025	
3.50 m rigid Cat. 3/4	Quick-Push shearbolt	5	650	3.50	140-200	1,310	2,030	
		7	500	3.50	190-280	1,480	2,200	
	Hydr. automatic release system	5	650	3.50	140-200	1,490	2,210	
		7	500	3.50	190-280	1,720	2,440	
4.00 m rigid Cat. 3/4	Quick-Push shearbolt	7	570	4.00	200-280	1,560	2,380	
	Hydr. auto. release sys.	7	570	4.00	200-280	1,640	2,620	
4.00 m hydr. Cat. 3/4	Quick-Push shearbolt	7	570	2.43	200-280	1,910	2,730	
	Hydr. auto. release sys.	7	570	2.43	200-280	1,990	2,970	
5.00 m hydr. folding Cat 3/4	Quick-Push shearbolt	7	650	2.43	200-280	2,070	3,090	
		9	555.5	2.43	260-360	2,240	3,260	
	Hydr. auto. release system	7	650	2.43	200-280	2,150	3,450	
		9	555.5	2.43	260-360	2,390	3,690	

* The "standard-mounted" row spacing can be adjusted to min. 500 mm

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