



SUBSOILER

VT 300



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Technical specification:

Working width [m] : 3,0

V-shaped main frame

5 loosening sections spaced 5 x 60 cm apart

Coulter protection - hydraulic non-stop

Each coulter can be individually deactivated

Maximum working depth [cm]: 60

Hydraulic depth regulation

Clearance [cm]: 90

Compaction roller: various types available (as needed)

LED road lightning

Min. power requirement [HP]: 200

Weight [kg]: 2100-2400 (depends on the type of roller)

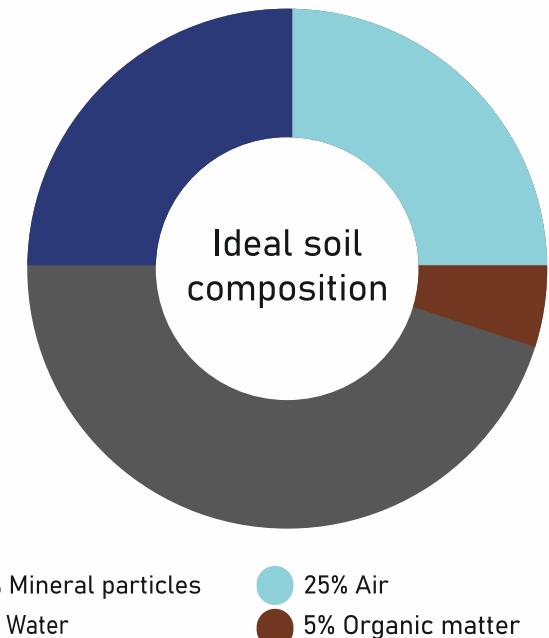


SUBSOILING

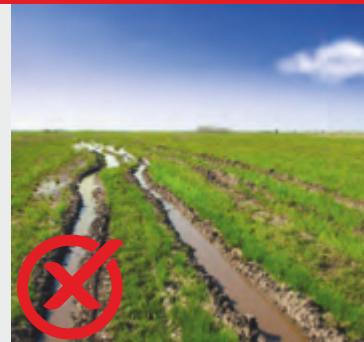
VERTICAL CULTIVATION CORRECT SOIL STRUCTURE IS THE KEY TO SUCCESS

Excessive soil compaction is a significant problem in agriculture, resulting from both natural factors (granulometric composition, rainfall amount and distribution) and external factors related to the frequency and type of tillage. It leads to reduced soil porosity, reduced water infiltration rates, and reduced drainage, which negatively impacts the development of plant root systems.

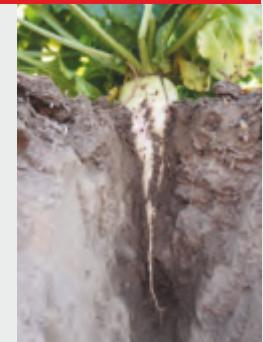
The presence of air in the soil promotes better root development and improves soil water retention.



Effects of excessively compacted soil

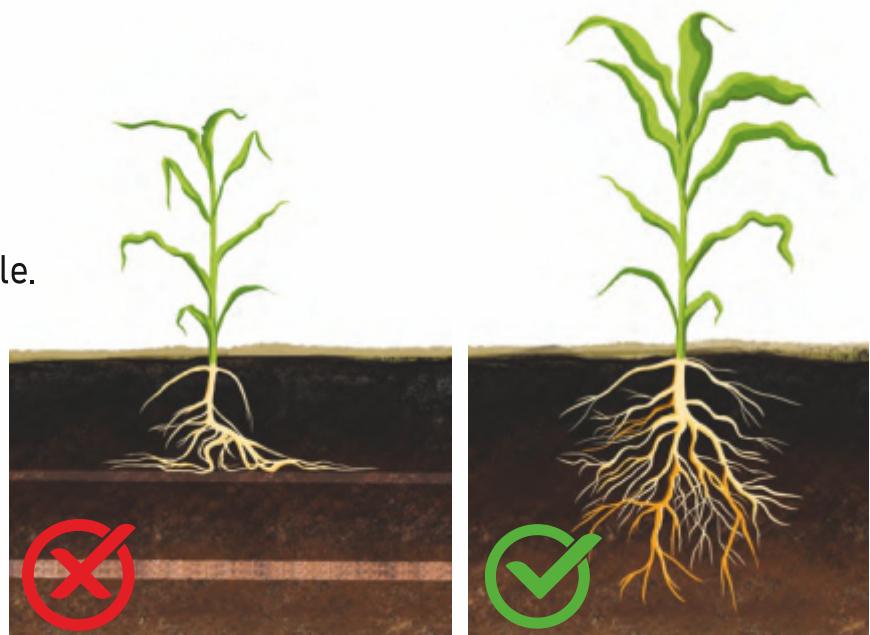


No soil compaction



Subsoiling is an agricultural land improvement process that involves loosening the soil below the compacted layer without inversion or mixing, while maintaining the layered structure of the soil profile.

A special tool is used for this purpose – a subsoiler, which consists of several long, narrow tines that cut through and loosen the compacted soil layer, causing it to lift and crack.



BE SURE TO CHECK THE DEPTH AT WHICH THE PLOUGH SOLE IS



BENEFITS OF SUBSOILING:

- ✓ Improving soil structure
- ✓ Equalization of water-air relations
- ✓ Increased water retention
- ✓ Deep rooting of plants
- ✓ No stagnant water



Vertical coulter

The key element of the machine – it loosens and cuts the soil, improving the water-air relations while maintaining minimal interference with the layered structure of the soil profile.



EACH COULTER
CAN BE INDIVIDUALLY
DEACTIVATED



Compaction rollers*:



Tubular roller
Ø 600 mm

U-box roller
Ø 600 mm

DD type roller
Ø 590 mm

Rubber roller
Ø 590 mm

Double teeth roller
Ø 560 mm

*Any other compaction roller available upon customer request.



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