



SUB-SOILER



The vertical tillage tool that eliminates compaction layers



TOGETHER WE'RE EVEN STRONGER

The Great Plains Sub-Soiler is a vertical tillage tool that can be used in conventional, min-till or no-till farming systems.

In conventional tillage regimes it can eliminate the compaction layers created by the plough, disc harrow or cultivator, which can adversely affect yields and form a barrier to essential moisture. In a no-till environment, the Sub-Soiler can first be used as a preparatory tool and then as a maintenance tool. Prior to phasing-in no-till, repairing the soil structure with the Sub-Soiler can help to protect yields.

As well as maintaining a uniform soil structure, sub-soiling helps to keep soil organisms, such as worms, alive and reduces surface compaction from tractors and combines.

THE SUB-SOILER WORKS DEEP TO MAINTAIN HEALTHY SOIL STRUCTURE WITH MINIMAL SURFACE DISTURBANCE

50cm UTILITY COULTERS

A coulters runs ahead of each tine to cut residue and reduce plugging.

ADJUSTABLE GAUGE WHEEL

A screw jack makes adjusting the gauge wheel a quick and simple task.

TRIP RESET

All tines come with shear bolts as standard. The auto-reset version has a 1360kg horizontal trip force.

AUTO RESET TINE

This 1.9cm thick spring steel tine, with its exclusive 25cm no-till point, provides maximum soil shatter with minimum surface disturbance. It will leave more than 90% of crop residue on the surface.

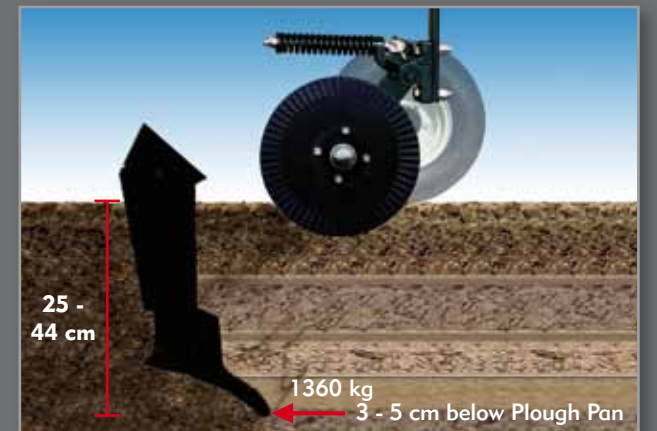
STRAIGHT TINE

This shear bolt protected tine with either 5cm or 17.5cm point provides good fracture under the surface but will give more surface disturbance. A no-till point is available with the straight tine where minimal surface disturbance is required.

AGRONOMY



The Sub-Soiler shatters the soil over the full width of the machine through lifting and resetting of the entire profile. The tines, arranged in a straight line to shatter horizontally between them, should be set 3-5cm below the plough pan to achieve best results.



Once the working depth has been determined, the gauge wheel is set to prevent the Sub-Soiler from losing its pre-set depth. It runs ahead of the tip to control the depth even in undulating conditions.



150 - 480HP



3.0m



DOWN TO 450mm



TECHNICAL SPECIFICATIONS

Model	Working Width (m)	No. of Tines	Tine Spacing (cm)	Power Req (hp)
SS300	3.0	3	70 or 75	150 – 240
	3.0	4	70 or 75	200 – 320
	3.0	5	68 or 70	250 – 400
	3.0	6	54 or 56	300 – 480

STANDARD FEATURES

- Auto Reset or Rigid Tine
- 50cm Utility Coulter
- Tillage depth from 20 to 45cm
- 99cm under frame tine clearance
- Adjustable Gauge Wheel with jack
- High Tensile Tubing



BERM CONDITIONER



NO-TILL POINT

OPTIONAL EXTRAS

- No-Till Point with Straight Leg
- Berm Conditioner to break up clods, level and seal the soil behind the tines



SUB-SOILER IN TRANSPORT MODE



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