

Trailed Seedbed Cultivator



Germinator Pro

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Moving agriculture ahead

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The concept behind the new Germinator Pro series from Kongsilde is to offer a solution for creating a high quality seedbed in ploughed conditions. The yield achieved in high value crops such as sugar beet, onions etc. bears close correlation to the level of preparation of the seedbed.

Precision seedbed preparation

Higher crop prices in general place additional demands on maximising the yield from every crop grown. The new Kongsilde Germinator Pro is a method of creating an optimal seedbed in only one pass, leaving excellent conditions for germination. Establishing a uniform seedbed ensures a fast and even germination. Due to the evenness of the crop growth subsequent crop protection can also be better timed in order to gain the highest effect with the lowest input.

Individual working sections

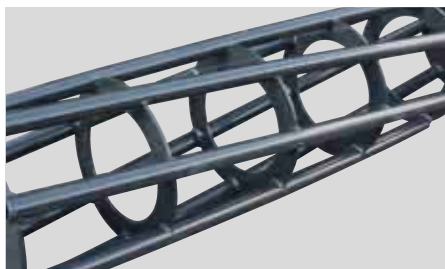
The 4 - 6 working sections are individually suspended under the main frame in a unique hydraulic suspension system, which allows each section to follow the soil contours extremely precisely. In practice this means that the exact selected working depth can be achieved across the full working width.

Sections under hydraulic pressure

All working sections are pressurised by a series of connected hydraulic cylinders, which provides uniform reconsolidation across the total working width.

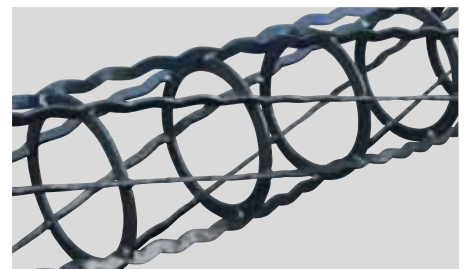
2 types of hitch available

To suit different types of tractor, Germinator Pro can be equipped with either a CAT.3 lower lift bar connection, or with a 40mm/50mm ring hitch drawbar, and also a K80 ball hitch.



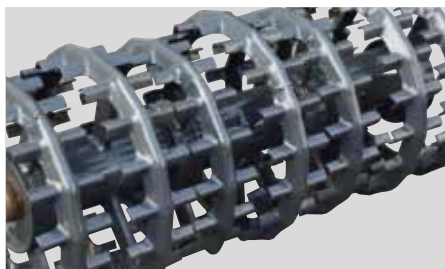
B-Roller Ø 320 mm

The 320 mm diameter and strong tubular design ensures medium crumbling and medium reconsolidation



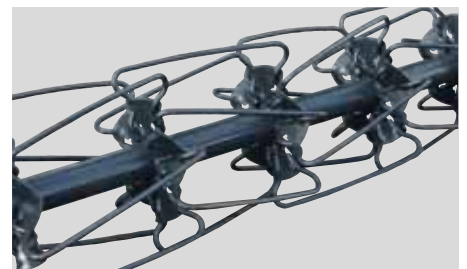
C-Roller Ø 320 mm

Double C-roller with strong design ensures a very good crumbling effect and medium reconsolidation levels.



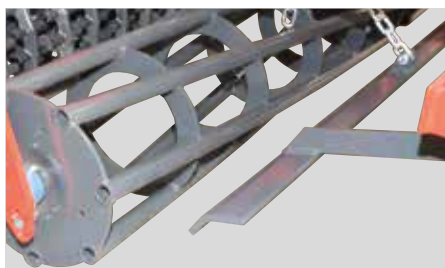
K-Roller Ø 350 mm

BK combination at the rear of the machine for optimal reconsolidation.



R-Roller Ø 290 mm

BR combination at the rear of the machine for good crumbling effect.



Rear levelling board

Rear levelling board levels out the loose soil after the final row of tines for an even surface.



6 Working Zones:

Track eradicators

As optional equipment, Germinator Pro can be fitted with heavy duty track eradicators using the well-known Kongskilde VTH tine. The quantity of tines can be changed to accommodate dual wheels or large tracked tractors.

Front Flexboard

At the front of the working sections a new hydraulically-adjustable Flexboard levels out the soil ahead of the first depth roller. The Flexboard eliminates much of the unevenness of the topsoil, and the result is a working section which runs smoother, and more efficiently.

Front roller

The heavy duty Ø320 mm crumble roller controls the depth of the working section.



Brand new Vibro Super G tine 32X12 mm

This latest Kongskilde vibrating tine is fitted with a reversible share and has an under-frame clearance of 350 mm, which allows working depths of up to 120 mm. This design of tine also means it is able to cultivate the topsoil without bringing wet or cold soil to the surface.

Straight tine 32X12 mm

Five rows of the brand-new straight Kongskilde Vibro Super G tines placed at 6 cm spacing ensure 100% cultivation and mixing of the soil profile.

Rear levelling board

The rear levelling board provides a light levelling effect of the open soil after the tine section, leaving a completely level surface.

Rear roller

The rear double roller combination provides crumbling and reconsolidation, and in conjunction with the front roller controls the depth of the working section. Different roller combinations can be specified in order to suit local conditions and demands of crumbling and reconsolidation.



Kongskilde VTH tines

Track eradicators using Kongskilde VTH tines.



Front hydraulic Flexboard

Can be adjusted on the move from the tractor cab to suit varying soil conditions.



Precise and easy depth adjustment

Working depth is easily adjusted by means of a crank handle. The graded scale ensures quick and accurate adjustment of the different sections.



Large transport wheels

Low pressure 480/45-17 tyres with a 460mm width ensure low compaction of soil on the headland.

Technical specifications

Standard	Optional
- Straight tine Vibro Super G 5 rows of tines - Tine spacing: 6cm - Front Flexboard - Section widths: 1, 2 / 1,4 / 1,6 m - Manual depth adjustment - Hydraulic folding - Hydraulic depth control of individual sections - Rear levelling board - Automatic transport lock system	- Track eradicators (VTH tines) - Different roller configurations (BBR - BBK - BCK - BBC - BCC - BKK - BCR) - Drawbar hitch - Light kit



High capacity

The new Kongsilde Germinator Pro is a high capacity precision seedbed cultivator. The smart folding principle of the wing sections allows easy movement from field to field and safe road transport. The optimal working speed is 10 – 12 km/hour, which requires upwards of 30-35 hp per metre working width.

Roller combination	Crumbling	Re-consolidation	Carry-effect in loose soil
BBR	+++	++	++
BBK	++	+++	+++
BCK	++	++	++
BBC	+++	++	++
BCC	+++	+	+
BKK	+++	+++	++
BCR	++	+++	++

Effect of Roller combination

+++ High performance
 ++ Medium performance
 + Basic performance

Model	Working width m	Working section set, m	Number of tines	Rows of tines	Tine distance cm	Transport width mm	Transport height mm	Hydraulic flexboard	Transport wheels	Weight kg	Power demand HP
Germinator Pro 5400	5.4	2x1.4 + 2x1.2	90	5	6	2,980	2,740	Standard	380/55-17 or 480/45-17	3,900	140-180
Germinator Pro 6200	6.2	2x1.4 + 2x1.6	106	5	6	2,980	3,140	Standard	380/55-17 or 480/45-17	4,100	180-220
Germinator Pro 7900	7.9	2x1.4 + 4x1.2	130	5	6	2,980	3,990	Standard	480/45-17	5,300	220-300

