

SRC & SRC SMARTSTEER™ INTER-RROW CULTIVATORS



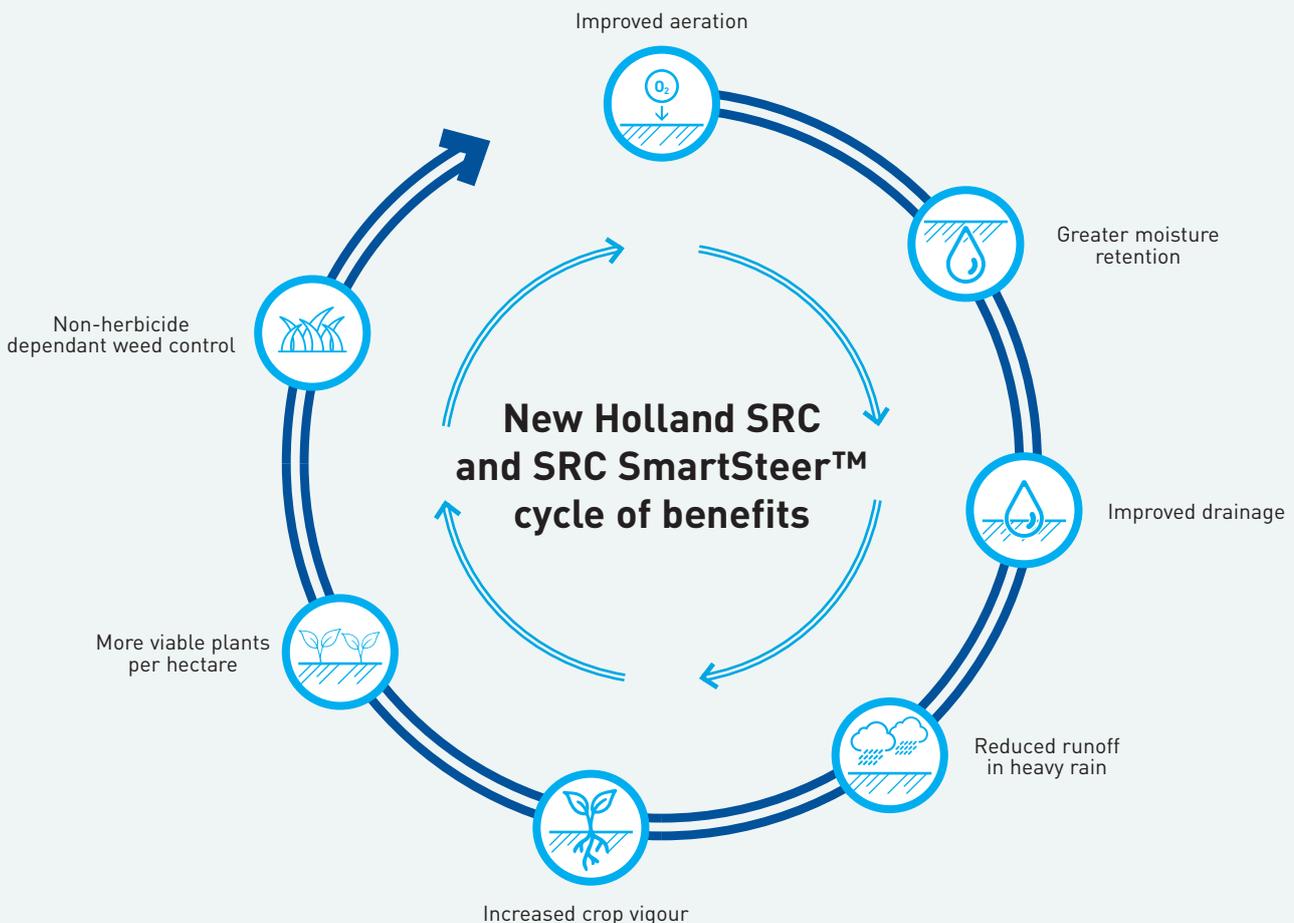
Inter-row cultivation. More than just weed control.

New Holland SRC and SRC SmartSteer™ inter-row cultivators offer a sustainable approach to weed control in row crops, with additional benefits that can include enhanced crop yields and reduced husbandry costs. In work, the tines of the cultivators operate at a shallow depth between the rows of the crop to ease weeds out of the soil.

The action of this light cultivation delivers other benefits. In damp conditions, the open structure of lightly cultivated soil helps to promote drainage and enhances the flow of water through the soil profile.

In dry conditions, a light tilth over the root zone helps protect the soil from excess drying and can help reduce the formation of deep fissures into the subsoil. This can reduce moisture loss, particularly from the root zone and help to ensure nutrients are not washed away in heavy rain.

Further benefits of light inter-row soil cultivation include promoting conditions that support micro-organisms and earthworms to improve overall soil health.



Affordable, Effective, Sustainable.

The increased use of selective herbicides, over many years, has reduced the number of growers who fully appreciate the benefits of inter-row cultivation. Proven to offer effective weed control during the early stages of crop development, the use of inter-row cultivators can:

- improve moisture retention
- aerate the soil over the rootzone
- increase water and nutrient uptake
- promote aerobic activity



These benefits, when combined with reduced weed competition can lead to:

- faster crop development
- improved crop vigour
- reduced or eliminated need for herbicides
- more viable plants per hectare
- an overall boost in crop yields

Sustainable inter-row cultivation and weed control.

New Holland SRC and SRC SmartSteer™ inter-row cultivators cultivate between the rows of a growing crop. This can control weed growth and reduce herbicide usage to cut overall growing costs and make your operation more environmentally sustainable. SRC inter-row cultivators are available in 4, 6, 8, 12, 16 and 18 rows. SRC SmartSteer™ camera guided models are offered in 8, 12, 16 and 18 rows. All variants feature 3 or 5 tines and are purpose developed for operation in crops to include beet, maize and sunflowers. 3 tine models are working rows of 40-50cm, and 5 tine units are for wider 60-75cm rows. All models hydraulically fold to a transport width that does not exceed 3m.



Vibrating tines

Three-tine cultivators are fitted with a patented **VCO tine**. Fitted with low disturbance tip, and 2 degree attack angle, the tines are designed to work at shallow depths. A VCO tine uproots weeds with minimal lateral soil throw.

Five tine models are fitted with **Universal tines**. These versatile tines feature an 8 degree attack angle and are suitable for use in a wide range of soils and conditions.

The vibration of the tines effectively lifts and shakes the weeds from soil, removing soil from the roots to promote rapid die-back and prevent re-growth. The cultivation action breaks up any soil capping and shallow panning, aerating the soil to improve air flow to the crops roots and promote moisture retention.



Stabilising disc

Stabilising discs help to ensure even tracking behind the tractor, with enhanced stability when working across undulating ground and around corners. Operators can work at a consistent forward speed with a reduced risk of the cultivator straying off-line.



Contour following

The tine banks are mounted on quad-link parallelogram. The curved arm variants feature a hydraulic cylinder used for the optional section control and is also linked to the folding mechanism, but is always freely floating during work. The straight arm design is also freely floating. The working depth of each row unit remains constant across the width of the cultivator over variable and sloping ground. The suspension links are extremely robust to prevent any lateral tine movement.



Precision depth control

The depth of each tine bank is maintained by an integral depth wheel fitted with a puncture-proof 290mm by 100mm tyre. The working depth can be adjusted by up 70mm via a manual winding handle.



Fine tune your row width

Each unit mounts to the main frame via a swallow tail clamp. This, combined with lateral adjustment for the tines, enables the cultivator to be fine tuned to match your rows and crop growth stage.



Rolling shields

Concave rolling shields, mounted between each unit, control soil and weed throw and protect young plants from being smothered. Each shield can be individually taken in or out of work, depending on the plant growth stage.

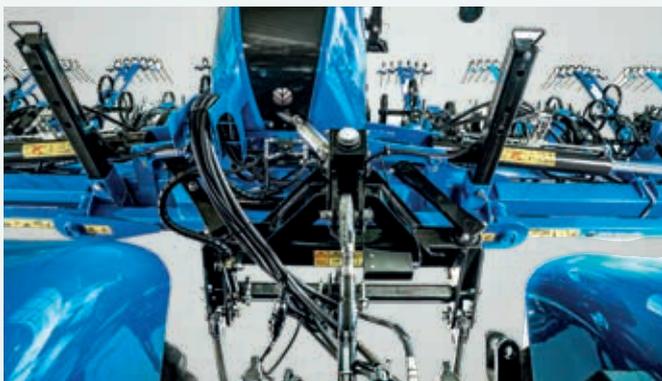


Star weeders

Star shaped weeder units are available as an option. Featuring individual soft fingers that can be set to work close to the edges of the crop, these units help remove weeds that are not reached by the vibrating tines. A 290mm weeder can be specified for SRC models with 45-50cm row spacing, a larger 370mm version for cultivators with row spacings of 60-75cm. A rear finger harrow is also available.

Guaranteed accuracy with camera guidance and GPS section control.

SRC SmartSteer™ inter-row cultivators are based around the same operating principles as the SRC models and are offered with 8, 12, 16 or 18 rows. SRC SmartSteer™ camera guidance technology offers increased working precision and productivity with the added advantage of reduced demands upon the operator. GPS section control ensures every part of the field is cultivated, eliminating weed patches and resulting in more healthy plants per hectare.



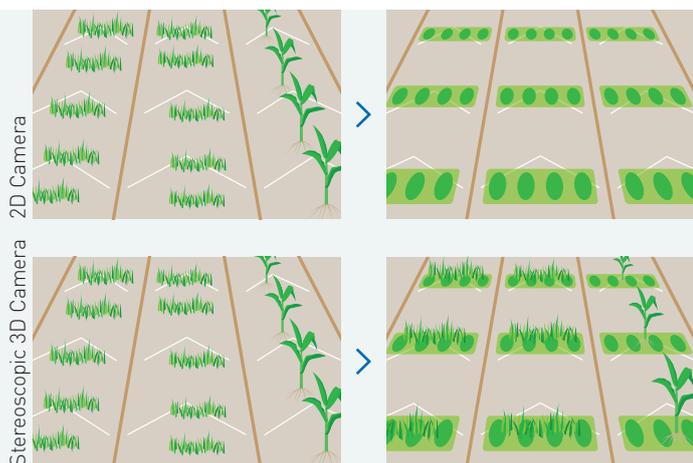
Hydraulic side-shift frame

SRC SmartSteer™ models are fitted with a side-shift frame that adjusts the lateral movement of the cultivator to ensure it stays between the rows and compensates for sudden tractor movements. The frame is controlled via a terminal that receives signals from the New Holland SmartSteer™ camera.



New Holland SmartSteer™ camera

The SRC SmartSteer™ camera operates by contrasting the colour of the crop and soil (standard 2D mode), and uses this data to determine the rows of crop. Signals from the camera are processed within the SRC terminal to control the side-shift frame. The camera links to a user-friendly touchscreen monitor.

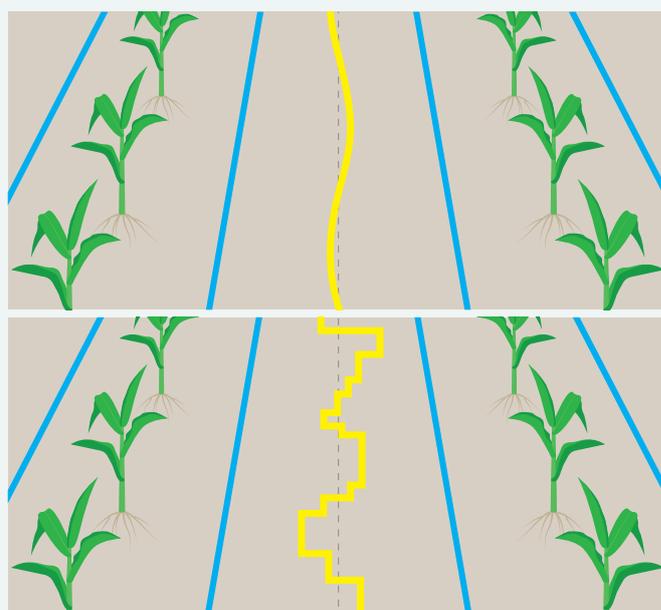


2D or 3D mode choice

As an option, the camera can operate in 3D Professional mode. This enables the camera to detect not only the colour but also the height of both weeds and crop to ensure the cultivator continues to follow the crop row even where weed contamination varies.

Proportional corrections

3D Professional mode offers other benefits to include proportional control of the side-shift frame hydraulics. In work, side-shift corrections are smoother thanks to the proportional hydraulic flow resulting in more fluid machine movements.



ISOBUS section control

Section control option can lift each individual row unit automatically. This allows working against crop rows, such as at an angled headland, and avoids damaging healthy standing crop. Uncultivated headland patches where weeds would normally thrive are eliminated. The system can be controlled via GPS and ISOBUS or third party systems connected to the units controller.



Model	SRC 6-45	SRC 6-50	SRC 12-45	SRC 12-50	SRC 18-45	SRC 18-50
Number of rows	6	6	12	12	18	18
Row spacing (cm)	45	50	45	50	45	50
Number of tines	3	3	3	3	3	3
Tine type*	VCO	VCO	VCO	VCO	VCO	VCO
Hydraulic parallelogram linkage	-	-	-	-	●	●
Frame width (m)	3.7	3.7	6.7	6.7	9.9	9.9
Transport width (m)	2.9	2.9	2.9	2.9	3	3
Stabilising discs	1	1	2	2	2	2
Front wheels	-	-	-	-	Narrow or Wide**	Narrow or Wide**
Longfinger harrow	○	○	○	○	○	○
Star-shaped weeders	○	○	○	○	○	○
Weight (kg)	645	645	1045	1045	2500	2500

Model	SRC 4-60	SRC 4-75	SRC 6-60	SRC 6-75	SRC 8-60	SRC 8-75	SRC 12-75	SRC 16-60
Number of rows	4	4	6	6	8	8	12	16
Row spacing (cm)	60	75	60	75	60	75	75	60
Number of tines	5	5	5	5	5	5	5	5
Tine type*	Universal	Universal						
Hydraulic parallelogram linkage	-	-	-	-	-	-	●	●
Frame width (m)	3.7	3.7	4.7	4.7	6.7	6.7	9.9	9.9
Transport width (m)	2.9	2.9	2.9	2.9	2.9	2.9	3	3
Stabilising discs	1	1	2	2	2	2	2	2
Front wheels	-	-	-	-	-	-	Narrow or Wide**	Narrow or Wide**
Longfinger harrow	○	○	○	○	○	○	○	○
Star-shaped weeders	○	○	○	○	○	○	○	○
Weight (kg)	545	545	730	730	1050	1050	2150	2300

Model	SRC 8-60 SmartSteer	SRC 8-75 SmartSteer	SRC 12-45 SmartSteer	SRC 12-50 SmartSteer	SRC 12-75 SmartSteer	SRC 16-60 SmartSteer	SRC 18-45 SmartSteer	SRC 18-50 SmartSteer
Number of rows	8	8	12	12	12	16	18	18
Row spacing (cm)	60	75	45	50	75	60	45	50
Number of tines	5	5	3	3	5	5	3	3
Hydraulic parallelogram linkage	●	●	●	●	●	●	●	●
Section control	○	○	○	○	○	○	○	○
Seeder platform kit	-	-	-	-	○	○	-	-
Frame width (m)	6.7	6.7	6.7	6.7	9.9	9.9	9.9	9.9
Transport width (m)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0

● Standard ○ Optional - Not available

* Universal (32x10.5mm) and VCO (32x12.5mm) tines are equipped with 135mm wide cutting shares as standard, with optional 200mm share available

** Narrow tyre specification is 24x8.00-14.5, wide tyre specification is 23x10.5-12



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