

# The robust weeding system for arable farming K.U.L.T. Habicht Weeding system



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now!



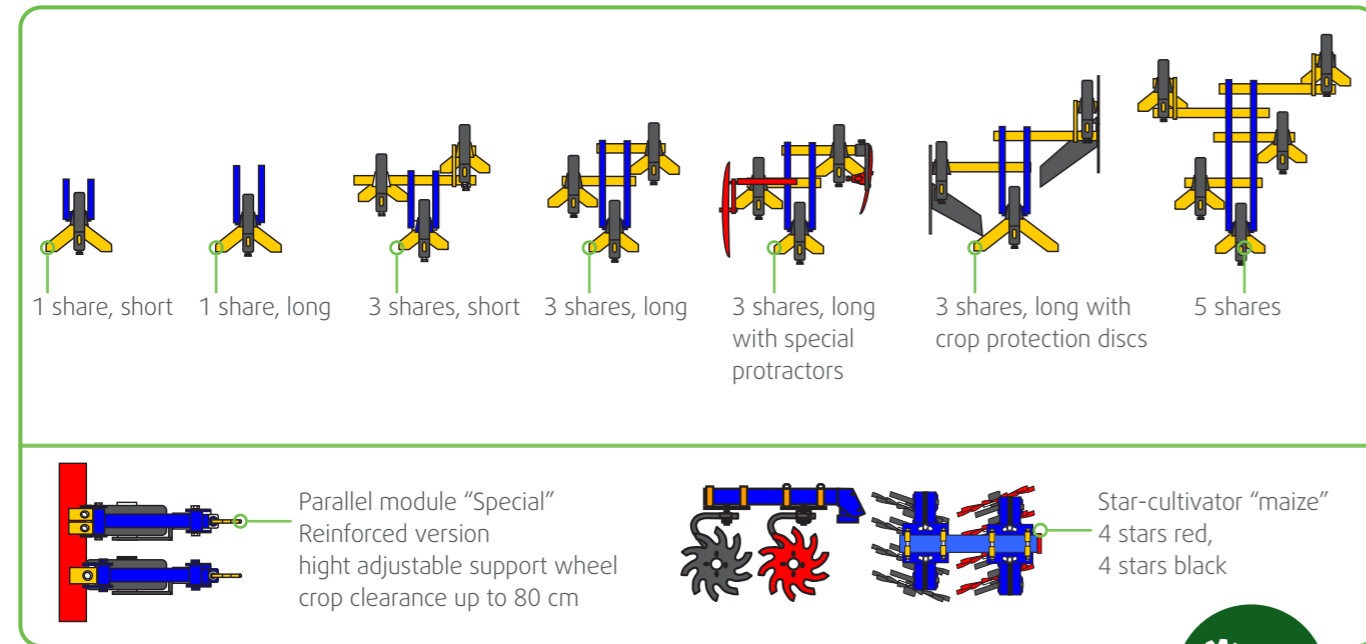
# K.U.L.T. Habicht Weeding systems

Robust construction – from 2m to 12 m plus working widths, front or rear mounted

Each machine is configured according to customer requirements:

- + From 1–40 rows
- + Row distance from 8 cm to 150 cm
- + Mechanical steering as standard
- + Adjustable support wheels, crop clearance 75 cm
- + Lots of additional tools (finger feeders, DUO)
- + Very robust HABICHT tube 13x11 cm
- + Rear mounted with options of manual or camera steering system K.U.L.T.iVision with side shift

Configurations HABICHT Weeding system:



Habicht front cultivation, 5-row with fingerweeder.



Habicht front cultivation 12-row 6m in sugar beet with tandem parallelogram.



12-row hoeing system for maize, with side shift frame and 37 cm fingerweeder, yellow.



Habicht hoeing system with side shift 24-row for onions.



12-row hoeing system for sugar beet, with side shifting frame and fingerweeder 31 cm, yellow.



Habicht star hoe, 2-row, rear-mounted.

## Technical data:


Operating principle	<ul style="list-style-type: none"> <li>• Parallelogram guided inter-row tools</li> <li>• All tools with springs</li> </ul>
Assembly groups	<ul style="list-style-type: none"> <li>• Basic frame with tractor attachment, with mounting support for mounting between the axles</li> <li>• Parallelograms with adjustable Farmflex-wheel, double ball bearing mounted</li> <li>• Tool support with 1-5 tools, including cantilever support with spring</li> </ul>
Time of application	The smaller the weed the more sustainable is the result.
Mounting	<ul style="list-style-type: none"> <li>• Front mounting Kat I/II and triangle, adjustable support tire</li> <li>• Rear mounting Kat I/II and triangle with cutting supporting wheels or adjustable tire with handsteering spindelverstellbar mit leichtgängiger Handsteuerung</li> <li>• Mounting between the axles for all Fendt GT starting from model series 218</li> </ul>
Row width	From 15 cm
Working width	1–6 m, possible with hydraulic folding
Clearance	<ul style="list-style-type: none"> <li>• Approx. 50 cm with Parallelogram rods of 186 mm</li> <li>• Approx. 60 cm with Parallelogram rods of 254 mm</li> <li>• Approx. 75 cm with Parallelogram rods of 334 mm</li> </ul>
Working depth	<ul style="list-style-type: none"> <li>• With flat shares: 3 cm</li> <li>• With standard shares: 3–7 cm</li> <li>• With (disk-) furrowers: up to 10 cm</li> </ul>
Working speed	Depending on the plant: 4–10 km/h
Specialitys	Easy to combine with: <ul style="list-style-type: none"> <li>• Camera control / Vision Control</li> <li>• Fingerweeder</li> <li>• Protective plates or discs</li> <li>• Various tools for raised bedsl</li> <li>• Fertilizer spreader (only rear mounted)</li> </ul>




# K.U.L.T.iVision SV

## Camera-guided side shift system

 Working width up to 12 metres

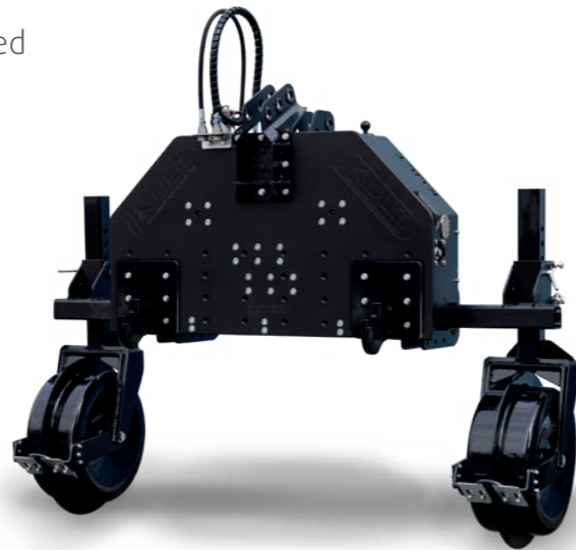
 High accuracy

 High work rate

The camera-guided side shift is a stable and heavy platform for larger machines up to 3,500 kg in weight and for working widths of up to 12 m.

Large, load-bearing steel support wheels are fitted as standard for track widths from 1.5 m to 2.25 m.

The side shift is suitable for retrofitting to a wide range of makes and has a quick-change system or fixed system suitable for all frame sizes. The compact hydraulic valve block is suitable for all commercially available hydraulic systems.



### What the SV system offers:

- + The large camera field of view allows precise guidance even with unfavorable condition of the crops
- + Multi-row viewing gives very high accuracy
- + Detects and processes double and triple rows, e.g. in carrots and onions and onions with row spacings of 3.5 cm and more
- + Very precise steering
- + High speeds up to 20 km/h
- + Crop colour can be adjusted if required
- + Very stable lateral guidance platform with high weight capacity, carries implements up to 3,500 kg
- + Working widths up to 12 m in rear-mounted mode
- + Large, load-bearing steel support wheels as standard for track widths from 1.5 m to 2.25 m
- + Suitable for a wide range of hoe makes



# K.U.L.T.iVision SV

Camera-guided side shift system



## Technical data:

Minimum plant size	As soon as the crop row is recognizable as a row to the human eye. <ul style="list-style-type: none"><li>• Cereals: approx. 3-leaf stage</li><li>• Sugar beet, soya: approx. 4-leaf stag</li></ul>
Maximum plant size	With row closure between the crop rows, control is no longer possible but also no longer necessary.
Light and weather conditions	<ul style="list-style-type: none"><li>• 24-hour operation possible via additional spotlight</li><li>• Crosswinds can lead to unwanted directional corrections</li></ul>
Technical requirements for the tractor	<ul style="list-style-type: none"><li>• Double-acting hydraulic valve</li><li>• At least 120 HP</li></ul>
Working speed	4-15 km/h
Accuracy	+/- 2,5 cm for light soils +/- 4 cm for heavy inhomogeneous soils
Product description	<ul style="list-style-type: none"><li>• Sliding frame with three-point cat. 2 or 3 for working widths from 4 m to 12 m, with universal mounting plate for attaching existing hoeing systems</li><li>• Camera with holder and universal attachment</li><li>• Robust display for setting and checking the technical data even while working</li><li>• Weight: 800 kg (without chipping system)</li><li>• 1 pair of cutting support wheels running in the track for stable lateral guidance</li><li>• Joystick and bracket for manual control in critical conditions</li></ul> <p>Optional:</p> <ul style="list-style-type: none"><li>• Seat and holder for joystick</li><li>• Headlights for night work</li></ul>

## K.U.L.T.iVision

We have been successful on the international market with camera-controlled for more than 20 years.



## Each machine is configured according to customer requirements

This extensive experience means that suitable solutions are always found and generated for the individual needs and requirements of the customer. and requirements of the customer are always determined and generated. Whether manually controlled or camera-guided – the chipping machines from K.U.L.T. are future-oriented and serve the natural and sustainable mechanical weed control. In this way, chemical pesticides can be reduced or avoided and, at the same time, soil life, soil aeration and nutrient mobilization.

Camera-controlled hoeing with K.U.L.T.iVision enables precise work close to the plant with significant relief for the operator. The camera recognises several rows of plants and also enables driving in cultivation structures with double and triple rows. The plant colour is adjustable. It is possible to work at speeds of over 15 km/h. This means that higher speeds can be achieved. This results in a high output per unit area with a high level of working comfort, as it is even possible to work at night in the dark.

Depending on the machine equipment, the optical row recognition system operates a hydraulic shifting frame between the tractor and the chopper or a hydraulic parallelogram shifting system installed directly in the chopper.



# K.U.L.T.iVision Double PV

Sow 3 m – hoe 6 m

## K.U.L.T.i Vision Double – highly precise, powerful control for demanding crops and high working speeds

With our Double PV, we have created the possibility of hoeing with two independently controlled sections on one main frame at 6 m with the proven 3 m sowing technology. Up to four cameras with lighting ensure problem-free control of the two sections and enable hoeing even at night.

The machine can optionally be equipped with Section Control so that no plants are damaged even in difficult conditions. A fertilizer spreader or undersow spreader can also be mounted on the hoe on request, so that further passes can be saved. Only a double-acting control unit or a load sensing system is required to operate the hoe. With the help of a quick-change system, the hoe can be adjusted to different crops within a very short time.



One-sided hoeing at the end of the field? No problem for our K.U.L.T.iVision Double PV!



### Technical data:

Working principle	Camera-controlled hoeing with parallelogram-guided working tools between the rows.
Time of application	Basically, the smaller the weed, the better and more sustainable the result.
Attachment	Rear-mounted Cat II/III depth control via cutting support wheels or pneumatic support wheels. Only one double-acting control unit or load sensing required. Power supply via 3-pin socket or ISOBUS with section control.
Power requirement	From 135 hp (depending on equipment)
Row spacing	From 12.5 cm to 75 cm therefore can be used in various crops
Working widths	Up to 6 m
Weight	Approx. 2,500 kg
Passage	Up to 70 cm
Working depth	<ul style="list-style-type: none"><li>• With flat hoeing shares: 3 cm</li><li>• With standard shares: 3-7 cm</li><li>• With raking shares or discs: up to 10 cm</li></ul>
Working speed	Depending on the crop, up to 15 km/h thus area output of up to 6 ha/hour possible.
Optional	<ul style="list-style-type: none"><li>• Section Control – fingerweeder with Section Control</li><li>• Fertilizer and undersow spreader</li><li>• Quick-release system</li></ul>



Optionally available with Section Control

# K.U.L.T. Star Cultivator

## A real multifunctional tool

The K.U.L.T. Kress Star Cultivator is an important machine in the K.U.L.T. Kress weeding series. The range of use is enormous – from preparing ridges over inter-row weed control with protection shields up to soil accumulation in potatoes, carrots, etc.

With the exchangeable stars the working width starts at 60 cm from row to row. Thus, the K.U.L.T. Kress Star Cultivator can be used for all cultivation in ridges.

### Range of use:

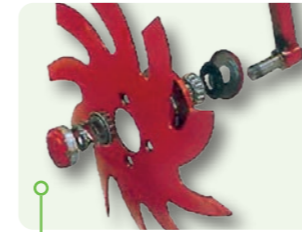
All plants in raised beds, potato ridge, corn, strawberries, vegetables, beds side dressing, nursery crops.

Only the KRESS-Star Cultivator is suitable to all common tool carriers like: Fendt GT 230 – GT 380, Schneider GT, Rath GT etc. The tool carrier allows an optimal view on all the weeding elements.

Non-blocked working is possible even in big weeds. High efficiency at high speed, optimal adaption and stepless adjustment.

### Result:

Organic mass is worked into the soil very effectively, best stableness of the cultures by soil accumulation to the row, best crumbling without soil compacting and hardening the horizon.



Star-Element  
2 ball-bearing, sealed,  
greasable.



Star-Cultivator,  
rear mounted, 2 rows  
for potatoe cultivation  
Parallelogram-guided tools  
with pre-loosener, ridge-  
tine-harrow, mechanical  
self-guidance, 4 stars  
per row.



Star-Cultivator, 4-rows  
in the Fendt GT 275 for  
strawberry cultivation  
Spring-loaded tool  
support with tendrillar  
cutting discs, 10 Stars  
per row.



Star-Cultivator as  
lane-loosener  
Parallelogram-guided  
tools with pre-loosener,  
2 stars at each side.

### Technical data:

Objective of use	Weeding even in high weeds.
Range of use	<ul style="list-style-type: none"> <li>• Potatoe ridges</li> <li>• Corn</li> <li>• Strawberries</li> <li>• Tree nurseries</li> <li>• Vegetable production</li> <li>• Bed-side cultivation</li> </ul>
Time of application	<ul style="list-style-type: none"> <li>• To earth down: as soon as the row is visible</li> <li>• To earth up: when the plants are well established</li> </ul>
Operating principle	<ul style="list-style-type: none"> <li>• Self-propelled stars move the earth</li> <li>• The red stars work to the left</li> <li>• The black stars to the right</li> <li>• The higher the speed the better the result</li> <li>• Multifunctionally adjustable</li> </ul>
Clearance	<ul style="list-style-type: none"> <li>• GTI: approx. 50 cm / 20"</li> <li>• Rear mounted: ca. 80 cm / 31.5"</li> </ul>
Mounting	<ul style="list-style-type: none"> <li>• Front-, rear-, bellymounting</li> <li>• Horse pulling</li> <li>• On the side of the row crop cultivator or narrow-gauge tractor</li> </ul>
Working speed	<ul style="list-style-type: none"> <li>• Hilling: 3–5 km/h</li> <li>• Heaping up: 5–18 km/h</li> </ul>
Row width	60 cm to 100 cm
Working depth	Approx. 5 cm / 2"
Combination possibilities	Fingerweeder (only rear) • ridge-tine-harrow (only rear) • plant protection shields (only rear) • plant protection shields (only rear) • tendrillar-discs, mechanic guidance • autopilot (rear) • double action hydraulic zylinder to compensate slope land

# K.U.L.T. Fingerweeder<sup>pro</sup>

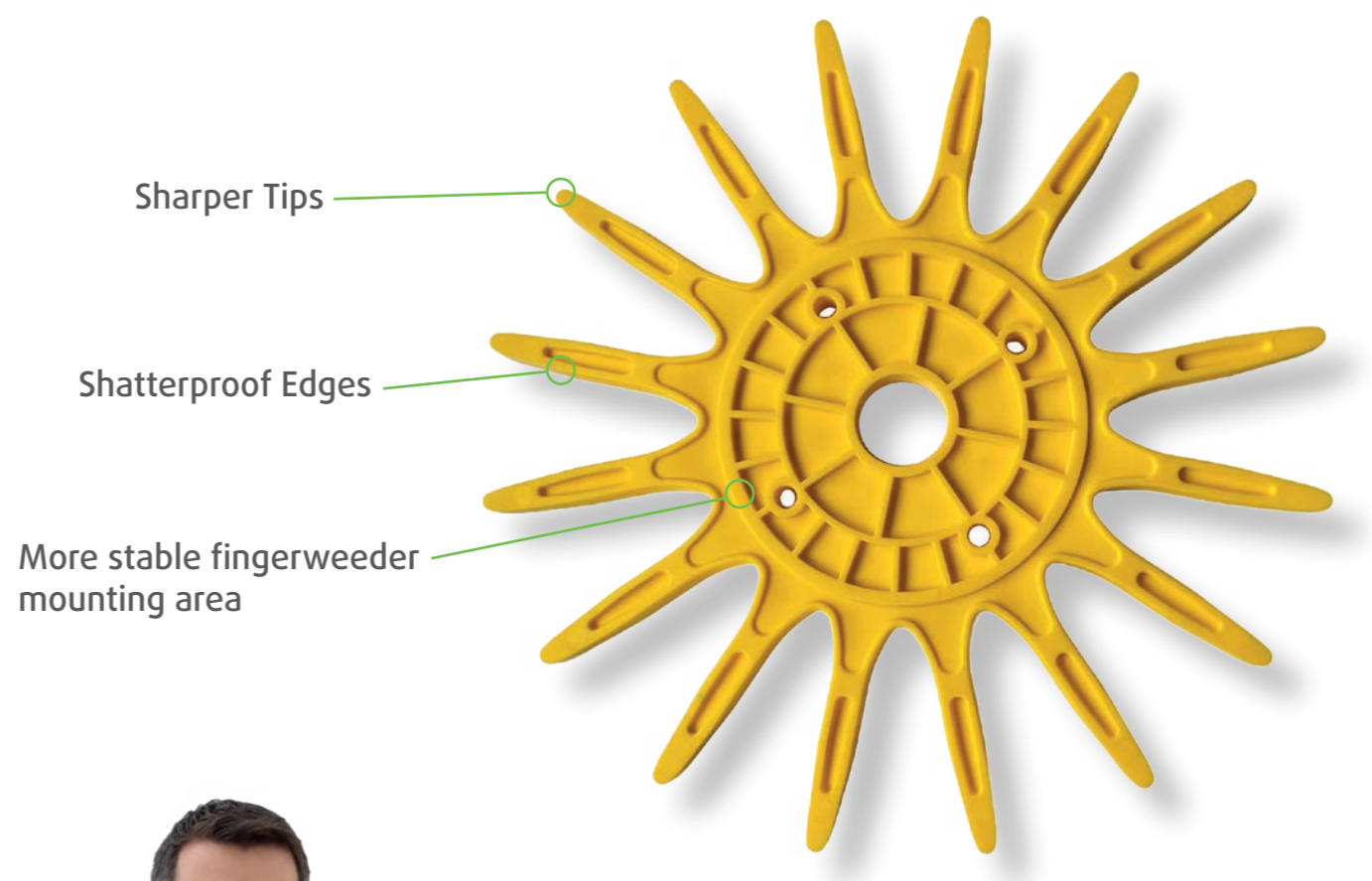
Mechanical weed control within the plant row

The K.U.L.T. Fingerweeder technology, proven in the field for decades, now becomes even more effective in weed control: with higher flexibility and an optimized finger shape, which ensures longer service life.

The new K.U.L.T. Fingerweeder<sup>pro</sup> in three sizes and strengths is suitable for almost any crop and row spacing. Retrofitting to existing cultivators is possible without any problems.

### Advantages:

- + Higher flexibility due to new material mixture
- + Optimized finger shape for longer service life
- + More effective weed removal
- + Easily retrofittable



*„From the inventor of the Fingerweeder!“*

Dr. Benjamin Kollenda  
Product Manager Fingerweeder

### Technical data:

Diameter cm	24	31 (formerly 29)	37
Row spacing cm	25-35	40-55	from 50
Vegetables and Crop Farming	red yellow orange	red yellow orange	red yellow orange
Viticulture/Fruit Growing and Nurseries			red yellow

 red = hard    
  yellow = medium    
  orange = soft



# K.U.L.T. Fingerweeder

For vegetable and arable farming

With the K.U.L.T. Fingerweeder in sizes 24 cm, 31 cm and 37 cm and 3 different degrees of hardness, you will find the right tool for almost every crop and row spacing. This enables fast and effective weed control within the plant row. Can be retrofitted to all common hoeing systems.

## Tried and tested a thousand times over in:

Corn, sugar beets, sunflowers, soybeans, field beans, tobacco, cabbage, lettuce, beans, leeks, tomatoes, artichokes, lavender, medicinal and aromatic herbs, strawberries, pumpkins, tree nursery crops, roses and much more.



2-row strawberry weeder, combination of star cultivator and fingerweeder 37 cm, yellow.



1-row Habicht weeding system in lavender with double fingerweeder.



Fingerweeder 31 cm, yellow in sugar beet.



8-row weeding system for maize, with side shifting frame and 37 cm fingerweeder, yellow.

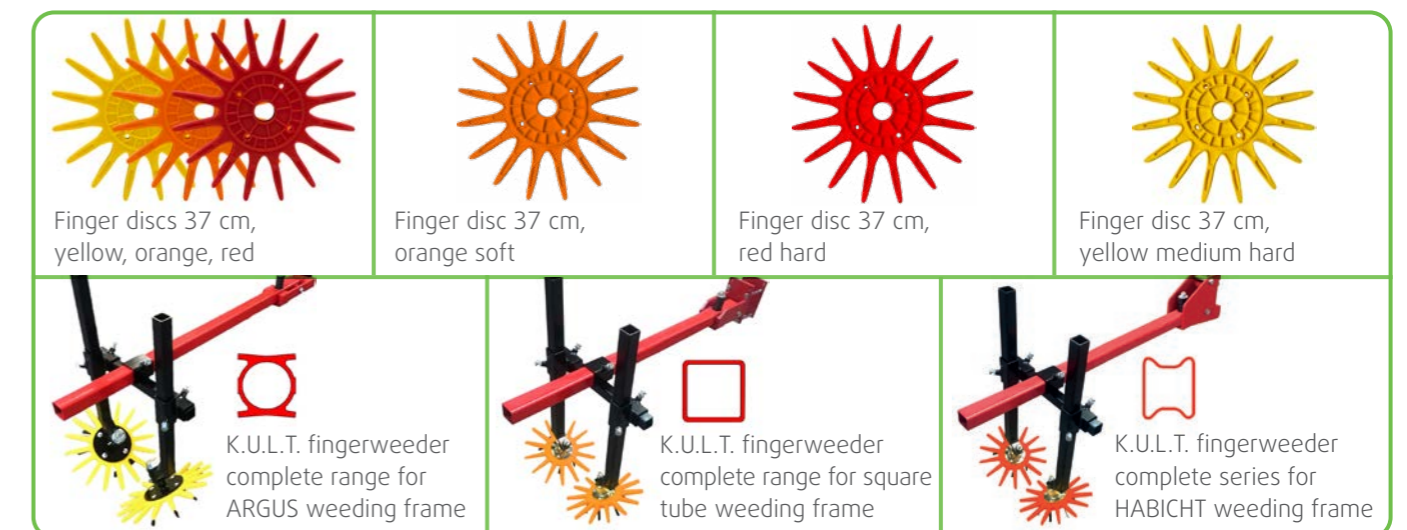
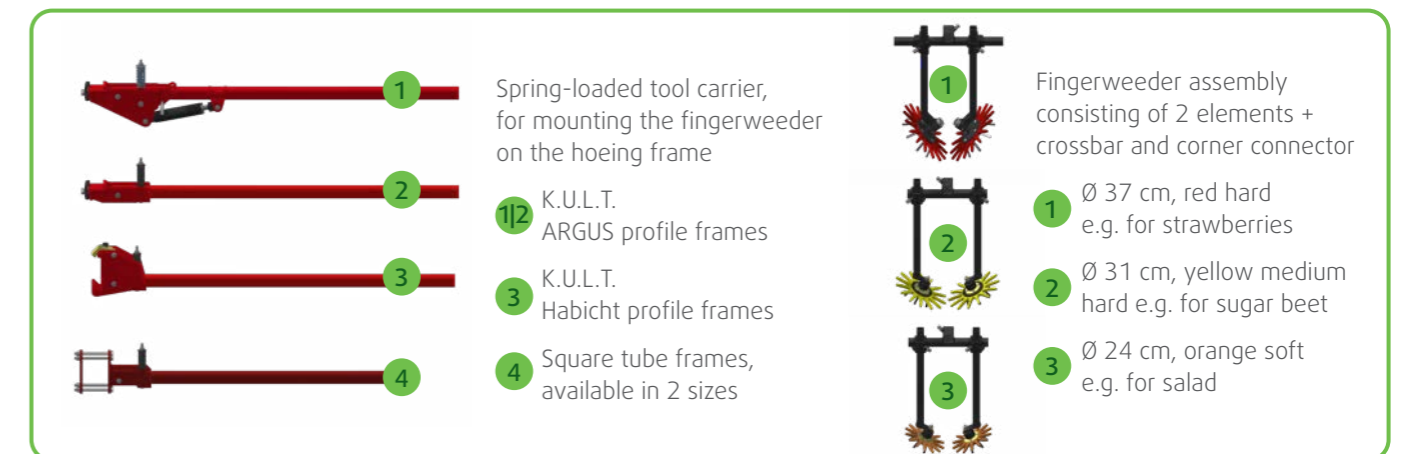


12-row weeding system for maize, with side shifting frame and 37 cm fingerweeder, yellow.



12-row weeding system for sugar beet, with side shifting frame and 31 cm fingerweeder, yellow.

With the K.U.L.T. Fingerweeder in sizes 24 cm, 31 cm and 37 cm and 3 different degrees of hardness, you will find the right tool for almost every crop and row spacing. This enables fast and effective weed control within the plant row. Can be retrofitted to all common hoeing systems.





# We love weeding!



## K.U.L.T. Weeding systems

For over 30 years, K.U.L.T. has specialised in environmentally friendly weed control with state-of-the-art weeding systems and tools, which have proven themselves in organic and conventional farming.

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