

The flexible weeder for vegetable growing and special crop K.U.L.T. Argus Weeding system



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now!



K.U.L.T. Argus Weeding system

The flexible one – for front, rear and inter-axle attachment

Each machine is configured according to customer requirements:

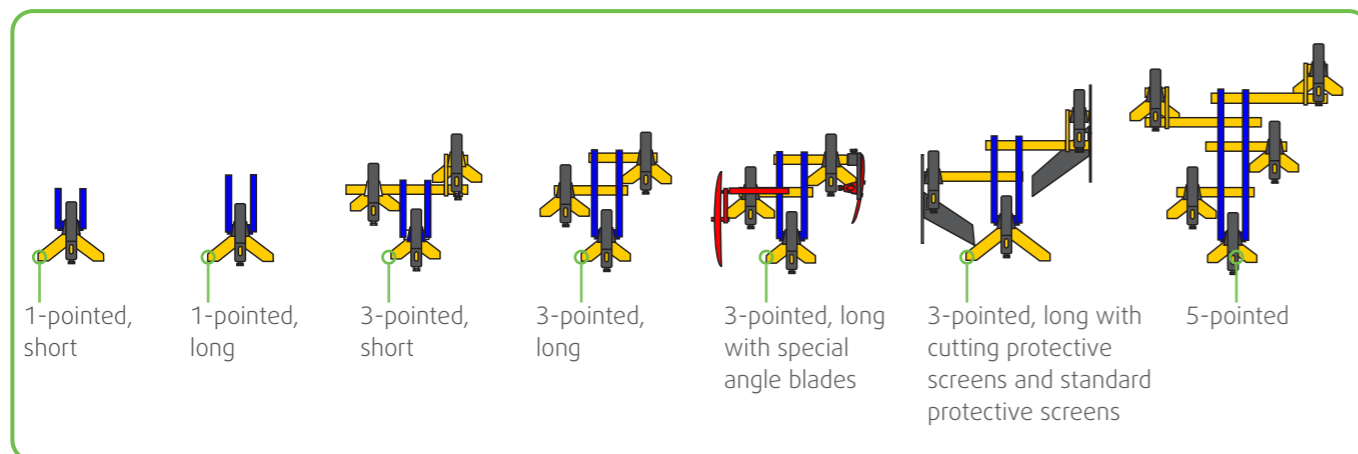
- + Designs from 1–30 rows
- + Row spacing from 20 cm to approx. 150 cm
- + Single or double frame up to 6 m working width
- + Spindle-adjustable support wheels, clearance up to 70 cm
- + Versatile combination options for ridge cultivation or bed cultivation
- + Ideal for combination with the K.U.L.T. Fingerweeder or the K.U.L.T. DUO-Parallelogram
- + Numerous variants of parallelograms and tine heads
- + For rear attachment optionally with manual control or camera control K.U.L.T.iVision with parallel shifting



K.U.L.T. Argus Weeding system – the variable vegetable weeder also for mounting in different generations of implement carriers.



Variants of tine heads, all shares spring-loaded, suitable for the parallelogram head:






Technical data:

Operating principle	Parallelogram guided inter-row tools. All tools with springs.
Assembly groups	<ul style="list-style-type: none"> • Basic frame with tractor attachment, with mounting support for mounting between the axles • Parallelograms with adjustable Farmflex-wheel, double ball bearing mounted • Tool support with 1-5 tools, including cantilever support with spring
Time of application	The smaller the weed the more lasting is the result.
Mounting	<ul style="list-style-type: none"> • Front mounting Kat I/II and triangle, adjustable support tire • Rear mounting Kat I/II and triangle with cutter support wheels or adjustable tire with handsteerin • Mounting between the axles for all Fendt GT ab Baureihe 218
Row width	• From 15 cm
Working width	1-6 m, possible with hydraulic folding.
Clearance	<ul style="list-style-type: none"> • Approx. 50 cm with Parallelogram crossbars rods of bei 1186 mm • Approx. 60 cm with Parallelogram crossbars rods of 254 mm • Approx. 75 cm with Parallelogramcrossbars rods of 334 mm
Working depth	<ul style="list-style-type: none"> • With flat shares: 3 cm • With standard shares: 3-7 cm • With (disk-) furrowers: up to 10 cm
Working speed	Depending on the plant: 4-10 km/h
Specialitys	Easy to combine with: Fingerweeder • DUO-Parallelogram • Various tools for raised beds • Protective plate or disc • Fertilizer spreader (only rear mounted) • Existing cultivators from other producers



K.U.L.T.iVision PV

Parallelogram shifting system

-  Robust touch screen
-  High driving speed
-  Good visibility of the working tools

The camera-guided parallelogram shift in the ARGUS frame design is particularly suitable for growers with limited horse power and especially with crops grown on bedcultivations.

Using the quick-change system, any weeding frame can be exchanged – there is no need for time-consuming conversion.

Working widths from 1.5 m – 6 m

Components of the PV:

- + Hydraulic parallel displacement
- + 3-point mounting
- + Cat II attachment
- + Camera system with touch screen
- + Hand control box
- + Speed sensor
- + Lift-out sensor
- + Optional with night driving lights



The features of PV system:

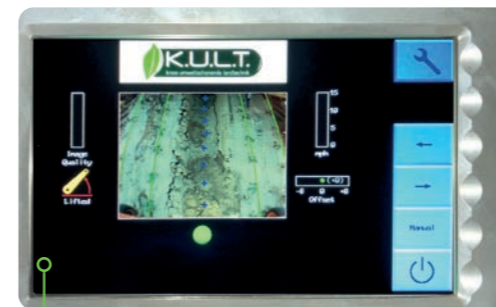
- + Large space between the support frame and the toolbar frame, which offers an optimal field of vision for the image recordings and thus enables precise guidance even when the crops are in an unfavorable condition
- + Recognizes and processes double and triple rows, e.g., in carrots and onions with 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
- + Work relief for the driver
- + Also available as a retrofit kit for existing hoeing systems
- + The PV displacement enables the rear attachment of a 3 m hoe in the ARGUS frame to be used with lighter tractors
- + Designed for conditions in which a lighter construction is the favoured solution



- RGB camera
- Simple menu navigation, live image
 - Permanent display of image quality with warning device
 - Plant color can be adjusted if required



With standard manual control box for manual override of the machine



Robust touchscreen in the tractor cab



With load-bearing cutting support wheels as standard

K.U.L.T.iVision PV

Parallelogram shifting system



Technical data:

Minimum plant size	As soon as the culture row is recognizable as a row to the human eye. <ul style="list-style-type: none">• Grain 3 leaf stage• Sugar beet 4 leaf stage
Maximum plant size	Until plants touch within or between the row.
Light conditions	<ul style="list-style-type: none">• Daylight hours• Additional lighting for 24 hour working
Tractor hydraulics	<ul style="list-style-type: none">• 0,1 mps oil flow on tractors from 80 HPS
Working speed	6 < 20 kph with accuracy reduction over 15 kph
Accuracy	0,8 mm system, 2,0 cm field conditions
Product description	<ul style="list-style-type: none">• Parallel shifting frame with three-point cat. 2 or quick coupling triangle for working widths up to 4 m• Camera with holder• Robust display for setting and checking the technical data even during work• Weight: 390 - 450 (without chopping system)• 1 pair of cutting support wheels running in the track for stable lateral guidance• Joystick for manual control in critical conditions <p>Optional:</p> <ul style="list-style-type: none">• Seat and holder for joystick• Headlights for night work

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 ARGUS-Trippl

K.U.L.T. DUO-Parallelogram

Accurate weed control on top of the ridge and on beds

For use in ridges and beds:

- + Onions, carrots, herbs, etc.
- + Tools for weeding in 8 cm small double-rows
- + Minimum row distance 25 cm

Working principle:

1. Discs crumble the soil very close to the row
2. Angle blades work on top of the ridge
3. Special blades cut the weeds at the flank



Special features:

- Triply adjustable discs for non-blockage work
- Twice adjustable Angle Blades
- Triply adjustable Special Blades
- Spring loaded tool support
- 2 adjustable support wheels – fits on any ridge



Example:

DUO-Parallelogram 5 rows, mounted to Argus-Hoe with manual steering



Technical data:

Objective of use	<ul style="list-style-type: none"> • Early weeding without disturbing the row • Simultaneous cultivation of ridge top and sides
Range of use	<ul style="list-style-type: none"> • Vegetable production • Specialized crops
Time of application	<ul style="list-style-type: none"> • Very early possible
Operating principle	<ul style="list-style-type: none"> • Cutting discs break the crust close to the row • Angle blades (side knives) slice the ridge top • Edge weeder blades remove weeds on the sides of the ridge
Row width	<ul style="list-style-type: none"> • From 20 cm / 7,9" for row crops
Mounting	<ul style="list-style-type: none"> • Front-, rear-, between the axles • Horse pulling
Working speed	<ul style="list-style-type: none"> • From 1 km/h / 0.7 m/h
Clearance	<ul style="list-style-type: none"> • Ca. 20 cm / 7.9"
Working width	<ul style="list-style-type: none"> • 6 cm to 400 cm For row spacing less than 30cm / 12" double toolbar required (see picture above)

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K.U.L.T. Tandem-Parallelogram

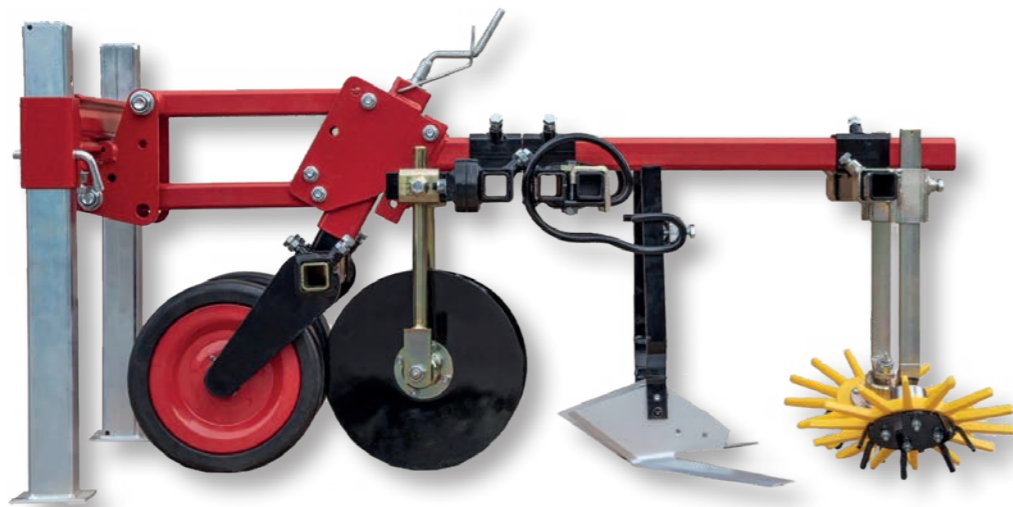
Accurate weed control for flat agricultures and on top of the ridges

For sugar beet, corn, soy, etc.:

- + Optionally with tool for double rows
- + Minimum row space 40 cm
- + Discs are 4-way adjustable and rotatable in all dimension for a blockage free work
- + 2-way adjustable angle blades
- + 2-way adjustable support wheels
- + Optional springs for loading and releasing the tools
- + Modular construction
- + Versatile upgradeable and convertible with numerous tools

Working principle:

1. Hollow discs in 21 or 30 cm break the crust close to the row
2. Protractors or goosefoot shares work to the right and left of the crop
3. Fingerweeder in 25, 29 or 37 cm work directly inside the row



The K.U.L.T. Tandem-Parallelogram at work



K.U.L.T. Fingerweeder^{PRO}

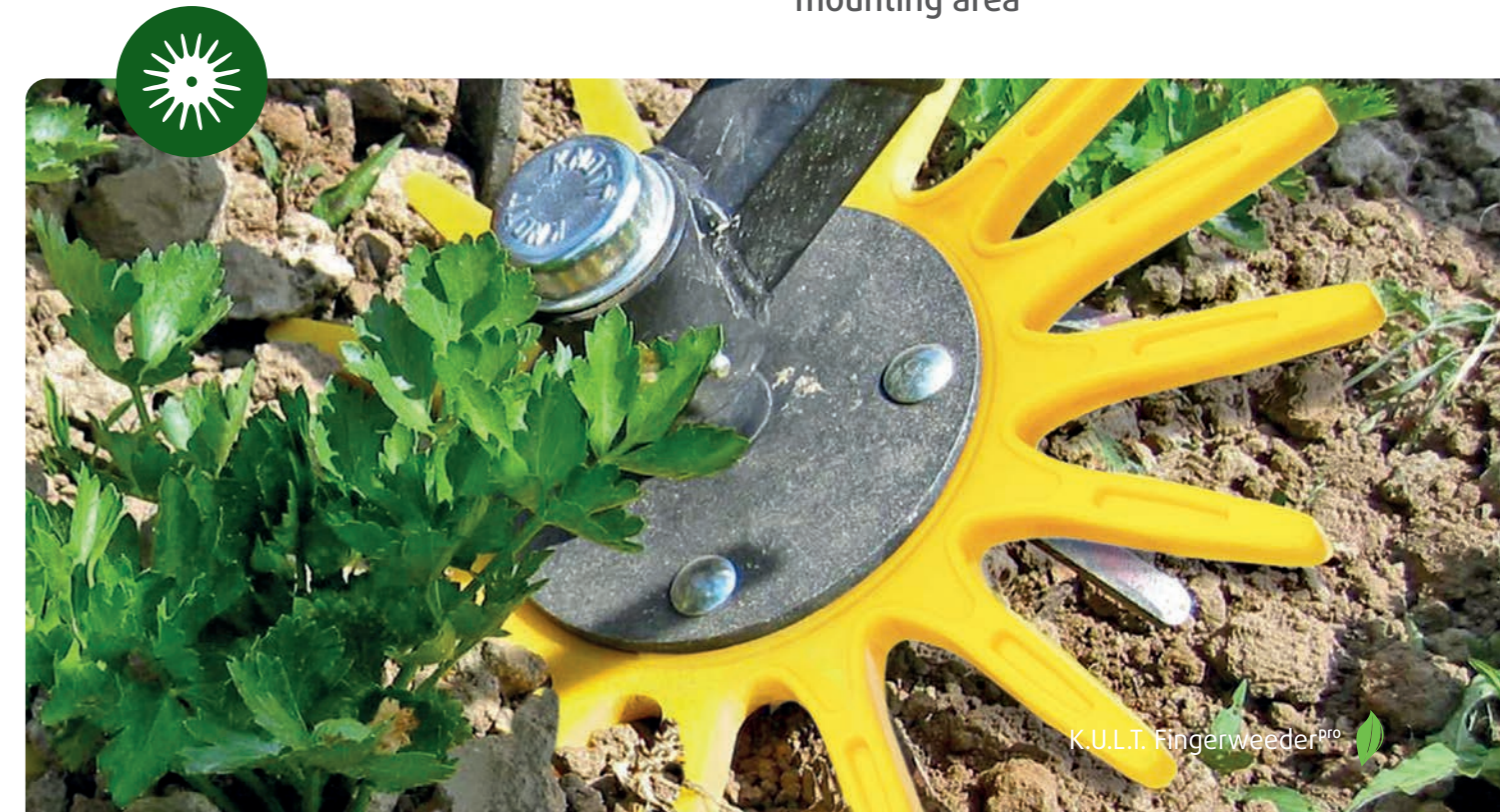
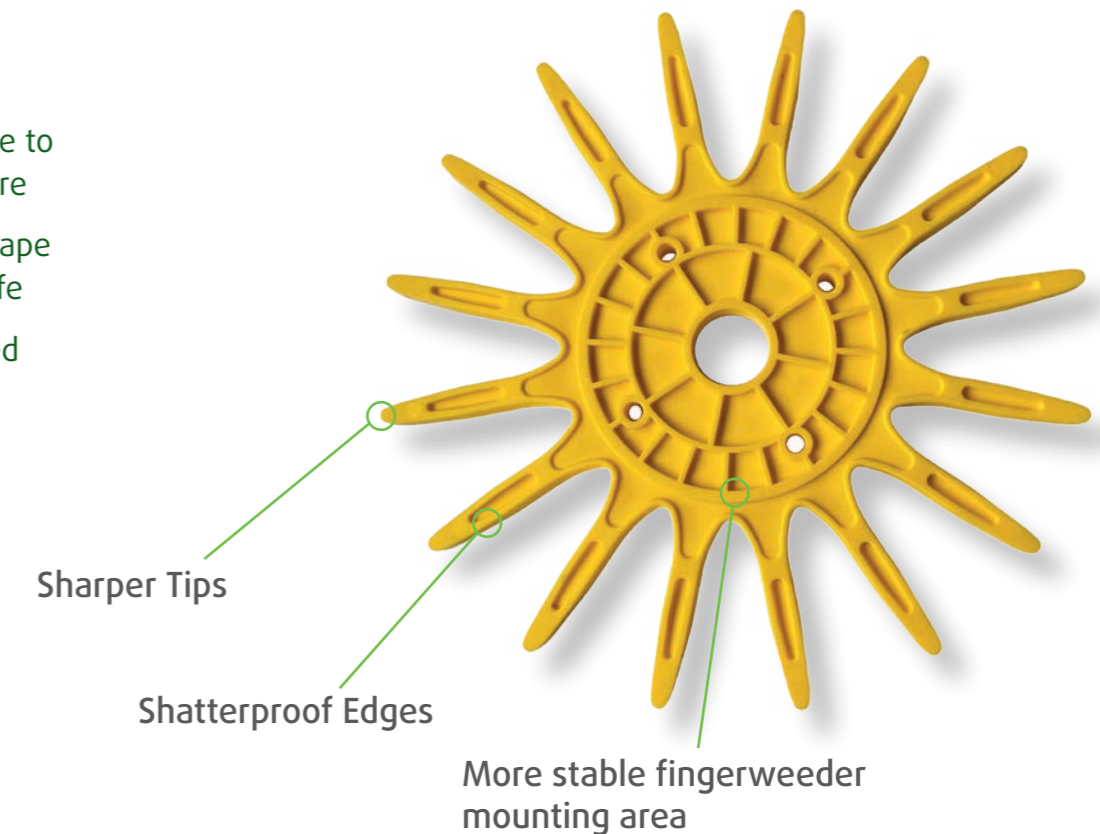
Mechanical weed control within the plant row

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^{PRO} 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



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:

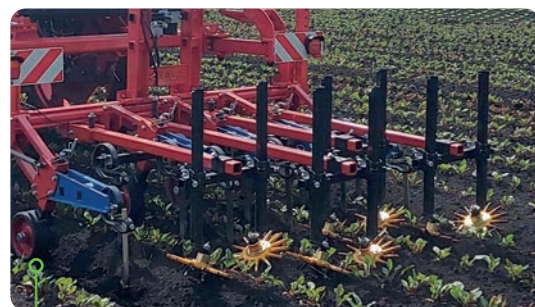
Corn, sugar beets, sunflowers, soybeans, field beans, tobacco, cabbage, lettuce, beans, leeks, tomatoes, artichokes, lavender, medicinal and aromatic herbs strawberries, pumpkins, tree nursery crops, roses and much more.



The small yellow fingerweeder with 24 cm diameter, used in the Naio robot for cultivating lettuce



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



4-row parallel sliding system with yellow fingerweeder 31 cm in beet



8-row chopping system for lettuce with manual control and fingerweeder 31 cm, orange

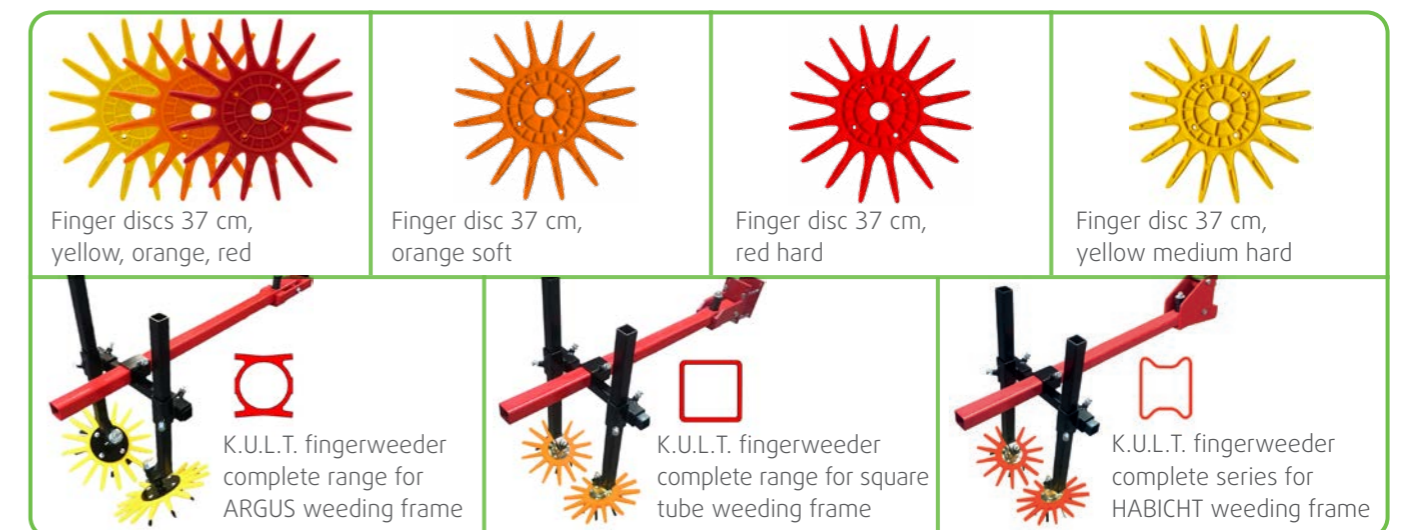
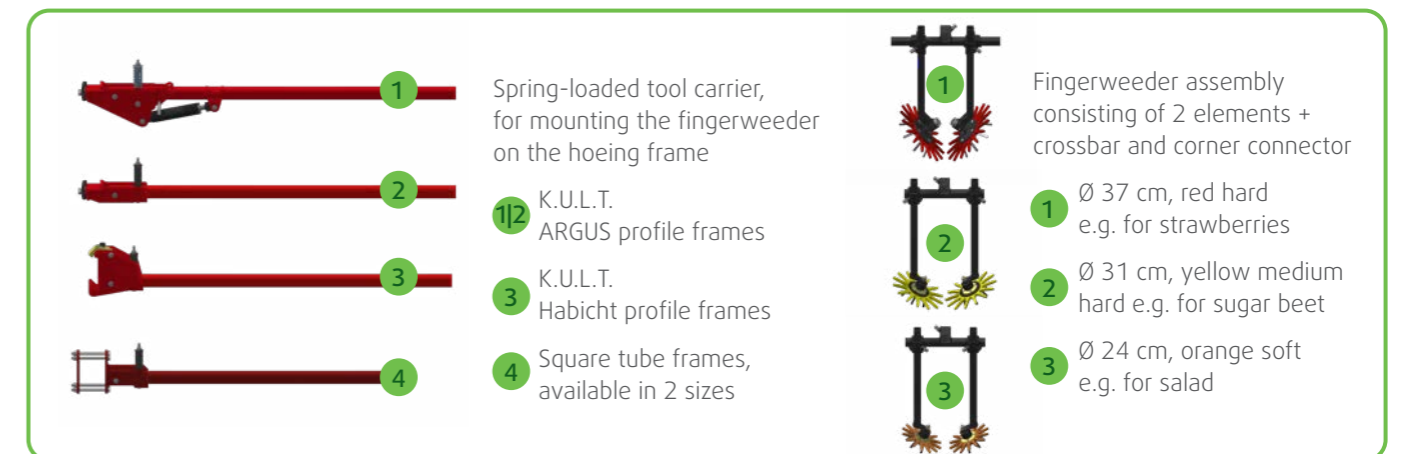


Fingerweeder 37 cm, orange (soft) in pumpkin



Fingerweeder 24 cm, red (hard) in onions

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.



K.U.L.T. Star Cultivator

A real multi-talent

The K.U.L.T. Star Cultivator is an important machine in the K.U.L.T. 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. Star Cultivator can be used for all cultivation in ridges.

Range of use:

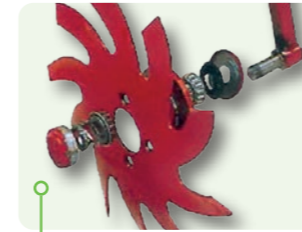
All plants in raised beds, potato ridge, corn, strawberries, vegetables, beds side dressing, nursery crops.

Only the K.U.L.T. 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 to all hoe elements.

Non-blockage work even in big weeds. High efficiency at high speed, optimal adaption and step less adjustment.

Result:

Good work in of organic mass into the soil, 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"> • Potatoe ridges • Corn • Strawberries • Tree nurseries • Vegetable production • Bed-side cultivation
Time of application	<ul style="list-style-type: none"> • To earth down: as soon as the row is visible • To earth up: when the plants are well established
Operating principle	<ul style="list-style-type: none"> • Self-propelled stars move the earth • The red stars work to the left • The black stars to the right • The higher the speed the better the result • Multifunctionally adjustable
Clearance	<ul style="list-style-type: none"> • GTI: approx. 50 cm / 20" • Rear mounted: ca. 80 cm / 31.5"
Mounting	<ul style="list-style-type: none"> • Front-, rear-, bellymounting • Horse pulling • On the side of the row crop cultivator or narrow-gauge tractor
Working speed	<ul style="list-style-type: none"> • Hilling: 3–5 km/h • Heaping up: 5–18 km/h
Row width	60 cm / 24" to 100 cm / 39,5"
Working depth	Ca. 5 cm / 2"
Combination possibilities:	Fingerweeder (only rear) • Ridge-tine-harrow (only rear) • Plant protection shields (only rear) • Tendrillar-discs • Mechanic guidance • Autopilot (rear) • Double action hydraulic zylinder to compensate slope land

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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