



# SOIL CULTIVATION FULL-COVERAGE AND PRECISE.



**TF precision  
spring-tooth cultivator  
2.5 m - 7.5 m (8 - 25 ft) working width**





Our TREFFLER spring-tooth cultivator system

# Full-coverage, shallow working.

✓ **Stable-line, patented tines**

Despite its length of 70 cm (2'3"), the patented tine cannot move sideways, only to the rear.

✓ **Even tine depth guidance**

The design of the patented tine ensures optimal adaptation to the ground.

✓ **Full-field coverage**

The tine spacing of 9.6 cm (3.7") and the stable-line tines ensures full-field coverage without any unprocessed strips.

✓ **Low tractive power requirement**

The lightweight but stable design means that the spring-tooth cultivator system can be used with small, fuel-saving tractors.

✓ **Depth guidance without roller  
(from a working depth of 1 cm (0.4"))**

Instead of a roller, support wheels in the front take over the precise depth guidance. Because there is no reconsolidation, weeds wither faster and do not grow back. In spring or in the case of no-till mulch sowing in autumn, the soil can dry out and is not smeared.

✓ **High passage**

The 6-beam design and the frame height of 70 cm (2'3") allow a high passage and reduce the risk of clogging.

✓ **Shares for every application**

A wide range of different shares means that the spring-tooth cultivator can be used on any kind of soil.

✓ **A tried-and-tested system on all size farms**

Our TREFFLER spring-tooth cultivator has been impressing customers worldwide on farms of all sizes for many years.

Mechanical and effective

# Master challenges.



## Volunteer seeds

Freshly sprouted annual weeds and volunteer grain are controlled through burying. Thanks to the narrow line spacing and the stable-line tines, the entire field can be worked. Unprocessed strips in which the weeds are not controlled become a thing of the past.

## Black-grass control and straw distribution

Because each patented tine adapts individually to the contours of the ground, the precision spring-tooth cultivator can also be used as a straw harrow. The tine spacing 9.6 cm (3.7") ensures good distribution of the chopped straw. At the same time, shallow working at no more than 1 cm (0.4") encourages the volunteer seeds of cereals or black grass to germinate.

## Perennial weeds

The TREFFLER precision spring-tooth cultivator is the perfect tool for bringing cut couch grass or thistles to the surface so that they wither.

## Catch crop termination

Successfully kill catch crops by cutting them flush with the ground. This saves soil moisture and nutrients for the next crop.



### **Incorporation of organic fertilisers**

Thanks to the narrow line spacing and the high frame passage, organic fertilisers can be incorporated at a shallow depth and with a very low tendency to clog.

### **Dryness**

Save soil moisture for your next crop. A shallow working depth of no more than 1 cm (0.4") keeps soil movement low and breaks the capillaries.

### **Nutrient management**

Increase the next crop's yield by moving very little soil and thus encouraging as little mineralisation as possible.

### **Clover termination**

Avoid large sods by tearing the sward into fine strips with the precision spring-tooth cultivator in the first pass. Then cut off the grassplot with the precision cultivator. Turn the cut grass sods over with the spring-tooth cultivator, allowing them to dry out more quickly.

# Patented technology ensures success.

## Tines



### Tines 6 mm, narrow shares

**Standard**

The patented flat spring steel tine is 70 cm (2'3") long and thanks to its 60 mm (2")-wide flat-steel spring system, doesn't move sideways. This technique enables full-surface cultivation of the soil. Thanks to the pivot point located approx. 15 cm (5") in front of the tine tip, the tine achieves absolutely even depth guidance. The result: precise adherence to the working depth.



### Tines 8mm with sweeps

**Optional**

The reinforced flat spring steel tine was designed for the use of sweeps for second-stage stubble processing. Pivot point located approx. 15 cm (5") in front of the tine tip guarantees line stability, full-field cultivation and even depth guidance.

## Shares and Sweeps



### Cultivator share

**Standard**

The 45 mm (1.7")-wide cultivator share boasts good crumbling properties and produces good results when combing out perennial weeds.



### Sickle share

**Optional**

The 45 mm (1.7")-wide, self-sharpening sickle share offers good crumbling properties as well as very good results when combing out perennial weeds. It also offers better penetration in dry soils.



### Duck-beak share

**Optional**

The 45 mm (1.7")-wide duck-beak share is a great choice for full-coverage soil break-up. The share is self-sharpening, crumbles perfectly and combs perennial weeds to the surface of the earth.



### Sweep (only for 8mm tine)

**Optional**

The sweep is the right choice for full-coverage soil cutting and for use in pre-cultivated areas. This share is 160 mm (6") wide and made of 3 mm (0.1")-thick Hardox steel.

# Your perfectly equipped TF.



## Flat steel leveling tines

**Optional**

The furrow closers can be attached behind the 6-beam spring-tooth cultivator for levelling. They can be adjusted by loosening screws/bolts or changing the spring pressure. The leveling of heavy soils is carried out by flat steel leveling tines.



## Dovetail levelling tines

**Optional**

The levelling tines can be attached behind the 6-beam spring-tooth cultivator for levelling. They can be adjusted by loosening screws/bolts or changing the spring pressure. The levelling of light soils is carried out by rounded steel leveling tines.



## Crumbler roller

**Optional**

This roller combines with the spring-tooth cultivator for seed bed purposes. The crumbler roller at the back makes it possible to leave behind an even finer seed bed.



## 3-row harrow

**Optional**

The 3-beam-sprung harrow is installed at the back of the spring-tooth cultivator. The height can be adjusted by means of a series of holes. It deposits (perennial) weeds and grass weeds on the surface so that they wither.



### Standard support wheels

**Standard**

Wide wheels ensure precise depth guidance. Using standard support wheels for depth guidance allows you to work without a trailing roller. This helps you control perennial weeds and enables smear-free work during wet springs.



### Pendulum support wheels

**Optional**

Pendulum support wheels can be attached for even better adaptation to uneven ground, benefit from even better adherence to the working depth.

## Systems and equipment

# TF technical data

Model	Working width (cm/ft)	Weight (kg/lb)	Transport width (m/ft)	Tractive power requirement from (kW/HP)	Line spacing (cm/ft)
TF 250	250 cm/8'1"	700 kg/1543 lb	2.50 m/8'1"	29/40	9,6 cm/3.7"
TF 300	300 cm/9'10"	800 kg/1764 lb	3.00 m/9'10"	37/50	9,6 cm/3.7"
TF 420	420 cm/13'9"	1100 kg/2425 lb	3.00 m/9'10"	51.50/70	9,6 cm/3.7"
TF 530	530 cm/17'5"	1400 kg/3086 lb	3.00 m/9'10"	66/90	9,6 cm/3.7"
TF 650	650 cm/21'4"	1700 kg/3748 lb	3.00 m/9'10"	81/100	9,6 cm/3.7"
TF 750*	750 cm/24'7"	2000 kg/4409 lb	3.00 m/9'10"	96/130	9,6 cm/3.7"

\*Transport height over 4.0 m (13'1")

Possible combinations of the models	Levelling tines	Crumbler roller	3-row harrow
Combination variant 1	✓	X	X
Combination variant 2	X	✓	X
Combination variant 3	X	X	✓
Combination variant 4	X	✓	✓





TREFFLER dream team

# Together we are unbeatable in the field.

Our precision spring-tooth cultivator supports the work of the precision cultivator in soil conserving, no-till, mechanical weed control. The precision cultivator cuts off the perennial weeds and the clover with the sweeps. The cut plants are deposited on the surface by our spring-tooth cultivator with its stable-line patented tines so that the plants wither quickly.

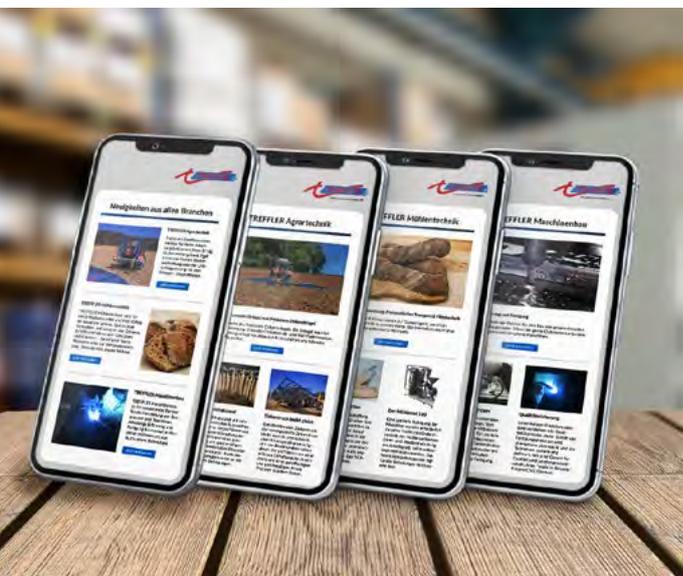
During the first stubble processing stage, annual weeds are cut to a working depth of 2cm (1") with our cultivator. In the second stubble processing stage, the sprouted weeds are controlled by burying them with the spring-tooth cultivator. Thanks to the stable-line tines and the narrow tine spacing, you can work the entire surface of the soil and leave no areas unworked.

Our services

# We offer reliable service.

We can only achieve quality together. As a team. From agricultural or milling technology to distribution or customer service – at TREFFLER, we have many faces. But one thing unites us all. Customer satisfaction is our top

priority. Even after your purchase, we continue to provide advice and offer expert service support, including via email on [service@treffler.net](mailto:service@treffler.net) or on site from the TREFFLER team.









The company

# Quality and precision for a better future.

With tradition comes responsibility. That is why today we are also thinking about tomorrow. We demand a lot - both of ourselves and the quality of our products - always exploring and

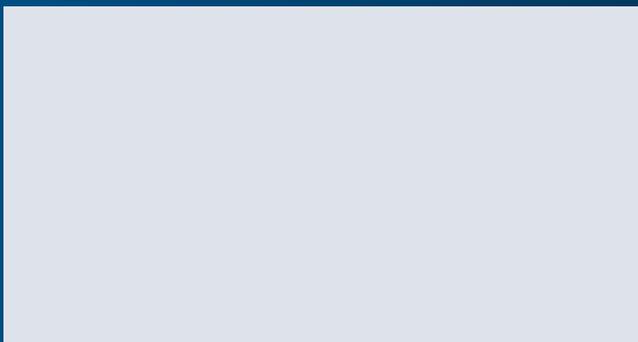
creating innovative solutions for even the most complex issues. This defines the culture and the mindset of our company.



# GET A GRIP ON YOUR WEEDS. MECHANICALLY.



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