



**PRECISE SOWING.
FOR MAXIMUM YIELDS.**



TREFFLER seeding technology
Combinations for TS | TG | TGA | TF
TKM combined sowing machine



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Basis for maximum yields

Perfect sowing



1 Choose dosage method

Front / back dosage / preparation

Choose between a front seed hopper or installation on the device. Different dosage systems are available. The tried-and-tested 'Krummenacher' system can be used with all TREFFLER products. The 'Megadrill' system is also available for use with the TG series or a front seed hopper. In addition, it is possible to install only a distributor head with hose on the TREFFLER device so that you can use an existing front seed hopper.

2 Select seed hopper

Seed hopper volume

Choose the seed hopper volume appropriate to your dosage requirements. 200l, 410l and 600l are offered for the 'Krummenacher' system. Significantly larger seed hopper volumes of 1,500l to 2,500l are offered for the 'Megadrill' system and the front seed hopper. Please contact us to find out more about customised solutions – we'll help you find the perfect seed hopper for your needs.

3 Choose distribution method

Tine seeding technology, baffle seeding technology or combinations

Depending on the machine and depositing depth, the distribution method can be selected as required. Learn more about this on the relevant page for your TREFFLER precision machine, where you will find the available options, from tine seeding technology and distribution via baffle to seeding technology combinations.

Combinations for the TS



Dosage option 1

Front-mounted dosage

The TREFFLER precision tine harrow can be equipped with a front seed hopper for sowing. This allows you to combine multiple devices. If you already have a front seed hopper, the device can be equipped with a distributor head and the hose.



Dosage option 2

Dosage on the device

The 'Krummenacher' dosage system, which is available in several equipment variants, can be permanently installed on the TREFFLER precision tine harrow for sowing.



Dosage option 3

Dosage on the device (‘Quick Seed’ quick attachment)

The 'Krummenacher' dosage system with quick attachment system can be installed on the TREFFLER precision tine harrow for sowing. This allows the sowing machine to be quickly dismantled and is only used if catch crops are being sown, for example. For this dosage system, seed hopper volumes of 200l and 410l are offered.



Distribution option

Baffle seeding technology

The broad distribution via baffles ensures optimum placement for growth. Thanks to the precise depth guidance of the precision tine harrow, the fine-grained seed is scattered as desired. Light-dependent germinators in particular are covered with the perfect amount of earth.

Combinations for the TG



Dosage option 1

Front-mounted dosage

The TREFFLER precision cultivator can be equipped with a front seed hopper for sowing. This allows you to combine multiple devices. If you already have a front seed hopper, the device can be equipped with a distributor head and the hose.



Dosage option 2

Dosage on the device

The 'Krummenacher' dosage system, which is available in several equipment variants, can be permanently installed on the TREFFLER precision cultivator for sowing.



Dosage option 3

Dosage on the device

The 'Megadrill' dosage system with a hopper volume of 1,500-2,500l can be installed on the TG series.



Distribution option 1

Tine seeding technology

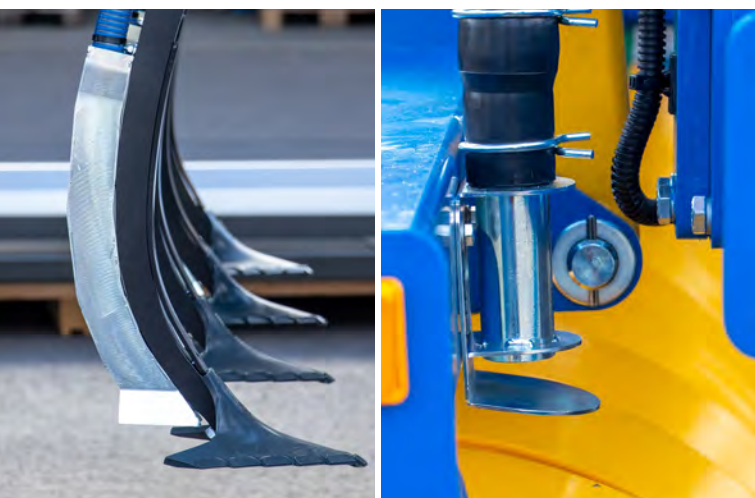
Large-grained seeds are precisely deposited behind the patented tines. Thanks to the tines developed and patented by TREFFLER, a uniform depositing depth of the seed is achieved.



Distribution option 2

Baffle seeding technology

The broad distribution via baffles ensures optimum placement for the seed to grow. Thanks to the precise depth guidance of the precision cultivator, the seeds are covered with the perfect amount of soil.



Distribution option 3

Combination of tines/baffles

For sowing mixed crops, two dosage units can be combined with one tine seeding technology unit and one baffle seeding technology unit. For example, large-grained seeds can therefore be deposited at a deeper depth via the tines than small-grained seeds, which are distributed via the baffles. Because this technology does not separate the seeds, it enables an even distribution of the mixed crops.

Combinations for the TGA



Dosage option 1

Front-mounted dosage

The TREFFLER precision cultivator can be equipped with a front seed hopper for sowing. This allows you to combine multiple devices. If you already have a front seed hopper, the device can be equipped with a distributor head and the hose.



Dosage option 2

Dosage on the device

The 'Krummenacher' dosage system, which is available in several equipment variations, can be permanently installed on the TREFFLER precision cultivator for sowing.



Distribution option 1

Tine seeding technology

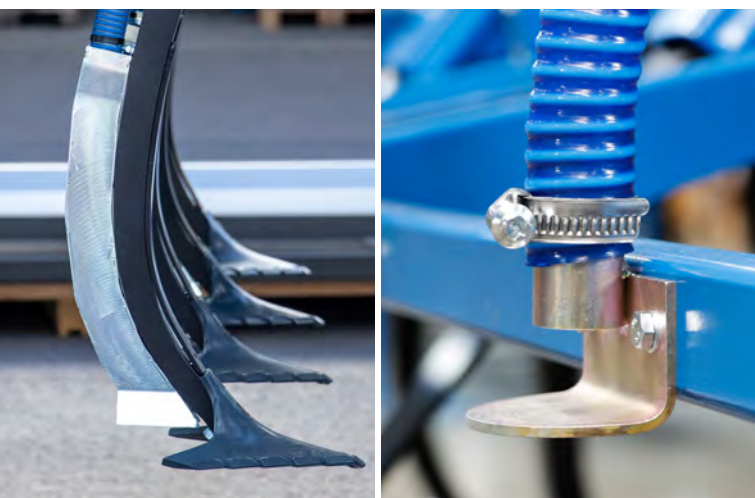
Large-grained seeds are precisely deposited behind the patented tines. Thanks to the tines developed and patented by TREFFLER, a uniform depositing depth of the seed is achieved.



Distribution option 2

Baffle seeding technology

The broad distribution via baffles ensures optimum placement for the seed to grow. Thanks to the precise depth guidance of the precision cultivator, the seeds are covered with the perfect amount of soil.



Distribution option 3

Combination of tines/baffles

For sowing mixed crops, two dosage units can be combined with one tine seeding technology unit and one baffle seeding technology unit. For example, large-grained seeds can therefore be deposited at a deeper depth via the tines than small-grained seeds, which are distributed via the baffles. Because this technology does not separate the seeds, it enables an even distribution of the mixed crops.

Combinations for the TF



Dosage option 1

Front-mounted dosage

The TREFFLER precision spring-tooth cultivator can be equipped with a front seed hopper for sowing. This allows you to combine multiple devices. If you already have a front seed hopper, the device can be equipped with a distributor head and the hose.



Dosage option 2

Dosage on the device

The 'Krummenacher' dosage system, which is available in several equipment variants, can be permanently installed on the TREFFLER precision spring-tooth cultivator for sowing.



Distribution option 1

Tine seeding technology

Large-grained seeds are precisely deposited behind the patented tines. Thanks to the tines developed and patented by TREFFLER, a uniform depositing depth of the seed is achieved.



Distribution option 2

Baffle seeding technology

The broad distribution via baffles ensures optimum placement for the seed to grow. Thanks to the precise depth guidance of the precision spring-tooth cultivator, the seeds are covered with the perfect amount of soil.



Distribution option 3

Combination of tines/baffles

For sowing mixed crops, two dosage units can be combined with one tine seeding technology unit and one baffle seeding technology unit. For example, large-grained seeds can therefore be deposited at a deeper depth via the tines than small-grained seeds, which are distributed via the baffles. Because this technology does not separate the seeds, it enables an even distribution of the mixed crops.

Sowing with the combined sowing machine

TKM combined sowing machine



**Two sowing systems in a single machine.
For optimum cultivation of mixed crops.**

Enjoy guaranteed success with the TREFFLER combined sowing machine. Benefit from the positive properties of cultivated mixed crops evenly across the entire field. The sowing machine doses two mixed crops individually. The tine seeding technology deposits the large-grained seeds at a depth of up to 10 cm (3.9"). The double disc shares deposit fine-grained seeds with precision from a depth of 0.5 cm (0.2").



**Even distribution of seed
over the area**

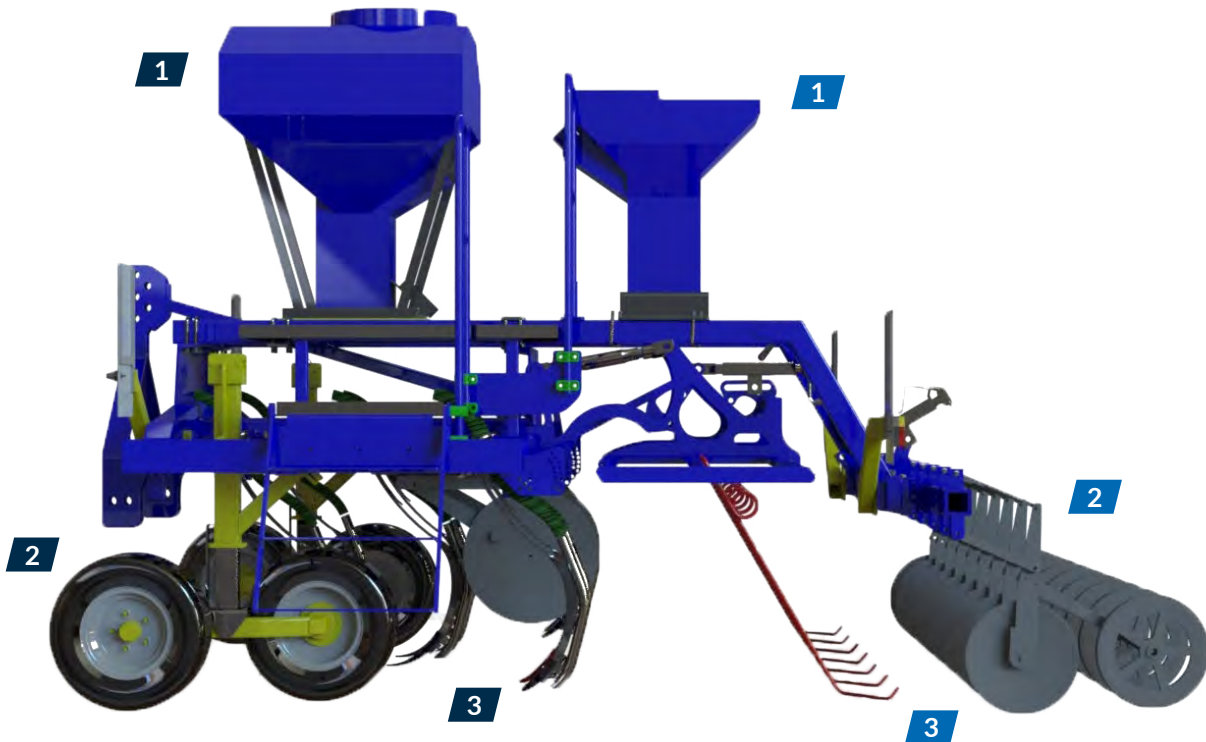
Each type of plant in a (catch crop) mixture has a role to play, from which the succeeding crops and mixing partners will benefit. The plants must be distributed evenly over the field to achieve this. This is ensured by two dosage units, each with tine and double disc shares.



No separation of seeds

Large- and small-grained mixing partners will separate if they are transported together in a seed hopper. Thanks to separate transport and dosage, the seeds do not separate and are applied evenly over the area.

The sowing machine in detail



Tine sowing machine

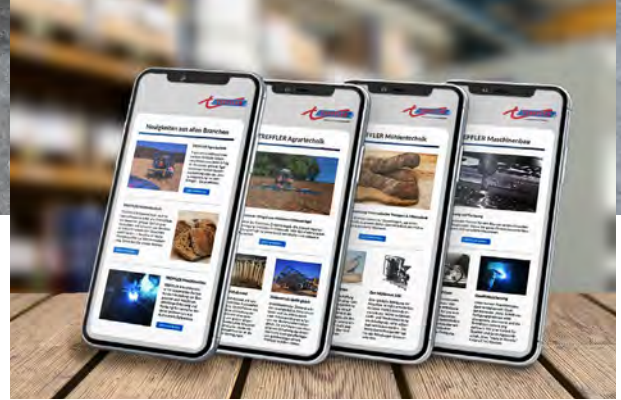
For deep depositing of seed up to 10 cm (3.9")

- 1** 410-litre seed hopper
- 2** Pendulum support wheels
Infinitely variable adjustment of the seed depth and depth guidance via pendulum support wheels
- 3** Tine sowing shares
Our sickle shares open up the soil and deposit the seeds on firm ground with a water connection.

Disc share sowing machine (Lemken)

For shallow depositing of seed from 0.5 cm (0.2")

- 1** 200-litre seed hopper
- 2** Double disc sowing shares (Lemken)
Perfect depositing at a shallow depth and reconsolidation create the basis for perfect germination. The depositing depth can be infinitely adjusted using a crank.
- 3** Furrow closers for levelling
The furrow closers can be infinitely adjusted using a crank.



Our services

Reliable, we are here for you.

Quality only arises together, in the team! From our agricultural or milling technology to distribution or customer service - at TREFFLER we provide you with a wide range of services. One thing that unites us all: your satisfaction as our customers. We look forward to serving you.

- Extensive advice, even after the purchase
- Competent service support, also via e-mail to service@treffler.net
- Service on-site with the TREFFLER service vehicle



The company

Quality and precision, always aiming 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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