SOIL CULTIVATION
Developing machinery to suit the needs of each individual customer. That’s been our mission since metalworker Johannes Evers founded our company more than 55 years ago, aimed at building quality machinery tailored to the needs of the neighbouring farmers.

Complex work processes can be very time consuming, which is why Evers Agro focuses on functionality and practical handling when developing machinery. The development of Evers Agro relies on decades of experience and regular intensive exchanges with practitioners.

We only use high quality and durable materials. Furthermore, our plant in Almelo in the Netherlands uses the latest technology to offer an extremely high manufacturing capacity. From here, we deliver appropriate and practical solutions to customers on every continent.
Farming agricultural fields often results in changes to the soil structure. The use of heavy farming equipment is just one cause of compaction of the soil layers. Sometimes these layers need to be loosened up to retain soil vitality and to counter declines in yield.

**Solutions that conserve the soil**

The right choice of machinery is essential to minimise disturbance of the natural soil structure. Whereas some models aim at thoroughly mixing the earth, the soil can also be loosened without mixing the soil layers. Preparation appropriate to the needs of the soil has the advantage of removing compaction in the soil profile. This improves the water and air balance, whilst minimising harmful soil moisture. Plants can then root more easily and absorb available nutrients more effectively.

Evers pre-subsoilers and subsoilers penetrate deep into the soil. The wide product range offers the appropriate type of equipment for every type of work and soil.

**Restoring the natural soil structure**

- Pre-subsoilers with 4 or 6 tines have a universal PTO channel for mounting a PTO driven machine.
- For precise and even depth penetration, the take-off shaft can also be fitted with a rear roller, e.g. with a tube roller.
- A wide selection of tines and chisel points can be selected from the broad Evers product portfolio.
- Frame heights from 75 to 103 cm.
- Available with 1-9 tines in V-shaped formation.
- Chisel point made of hardened manganese boron steel for effortless soil preparation.
- Optionally available with depth control wheels.

**Illustration as example for subsoilers**

Large-scale hydraulic cylinders ensure long operating life without loss of power. Optional hydraulic stone protection to protect the machinery on stony soils.

We provide customised solutions: e.g. frame heights of 143 cm which ensure extreme working depth.

For optimal adaptation to the soil, tube roller, depth control wheels or a combination of both options can be selected.

The extensive Evers portfolio features subsoilers on which the spacing between the outermost tines can be steplessly adjusted (150 – 225 cm).
(ALMOST) UNLIMITED OPTIONS
Configure your own subsoiler

**TINES**
- Minimal tillage
- Traditional tillage

**DESIGN**
- W-formation with opening for PTO
- V-formation of tines
- W-formation of tines

**FRAME HEIGHT**
- 75-103 cm

**DEPTH CONTROL**
- Rear roller
- Support wheels

**EQUIPMENT OPTIONS**

- **Chisel points**
  - 6–78 cm

- **Frame height**
  - 75–103 cm

- **Roller type**
  - Tube, Saturnus, Orion

- **Number of tines**
  - 1–9 tines

- **Working width**
  - 100–700 cm

- **Tine spacing**
  - 50–180 cm

- **Power requirement**
  - 30–600 HP

- **Accessories**
  - Warning sign with lighting and reflectors
  - Rollers
  - Depth control wheels
  - Various types of tines and chisel

We will be happy to help you select the right subsoiler for your individual farming conditions.
Optimal loosening – for healthy soil.

A version for more intensive soil-loosening – the cultivator. This enables thorough loosening of the soil with large working widths.

The cultivators with rigid tines have been part of the standard Evers product range for decades. Continuous optimisation with the emphasis on versatility is the priority in this respect.

Configure your own subsoiler.

THE ADVANTAGES

Robust and stable frame construction from high-quality rectangular tube.

Leg made of hard steel with replaceable wearing parts.

A wide selection of tines and chisel points can be selected from the wide Evers product range.

Working depths possible up to 60 cm.

All cultivators are fitted with shear bolt protection as standard. The Auto Reset Mechanism guarantees long operating life for use on heavy, stony soils.

An hydraulic lifting device is available on request. In combination with a pre-subsoiler, several processes can be completed simultaneously in a single operation.

Can also be used in combination with rear rollers from the extensive Evers range.

The optional hydraulic folding cultivator is also available with seeding machine for cover crops.

Depending on the main use, the number of tine rows can be chosen at will.
The retractable row of tines facilitates simultaneous loosening of two layers. If the second row of tines is lifted completely, the spacing between the remaining tines is doubled, which provides considerably greater clearance. This makes the cultivator suitable for use in difficult conditions too.

Rigid frame
Retractable

1 Row
2 Rows
3 Rows

Support wheels
Rear roller

TYPES OF TINES

1 Row 3 Rows 2 Rows

NUMBER OF ROWS

Accessories
→ Warning sign with lighting and reflectors
→ Hydraulic lifting device
→ XL frame
→ Depth control wheels

We will be happy to help you select the right cultivator for your individual farming conditions.

Chisel points
6–38 cm

Frame height
59–83 cm

Roller type
Tube, Saturnus, Trapeze, Orion, Packer

Number of tines
5–25

Working width
120–800 cm

Tine spacing
25–41.25 cm

Power requirement
80–400 HP
Effective soil preparation
Known as the all-rounder in stubble and seedbed preparation, cultivators are suitable for both shallow and deeper soil preparation. Choosing the proper tine types and the number of tine rows is key, depending on the intended use.

Evers offers an extensive range of equipment, offering the right model for any operation. In the design of the cultivators, special attention was devoted to easy pulling and a limited power requirement.

CULTIVATORS

Illustration as example for cultivators

The optional mechanical lifting device allows flexible adjustment of the machine to the subsoil.

The optional (tube) rollers facilitate even depth control and optimal consolidation.

Available with drag tines, levelling board or harrow tines.

Stable rectangular tube frame.

The rear roller ensures the necessary depth control and leaves behind an optimally recompacted soil, depending on the type, as well as the desired degree of crumbling.

The wide wing points ensure soil cultivation across the entire working width, leaving an even incorporation of stubble.

Depending on the purpose intended, you can choose between a three-row and five-row cultivator with large spring tines.

Fitted with strong spring tines, the cultivator loosens the soil reliably across the entire working width.

Depending on your requirements, the cultivator can be provided with 2 to 5 spring tine rows to enable optimal clearance.

Depending on the main use, you can select the number of rows of tines.

The cultivator penetrates into the soil down to a working depth of 30 cm.
(ALMOST) UNLIMITED OPTIONS
Configure your own cultivator

### DESIGN AND FRAME HEIGHT

<table>
<thead>
<tr>
<th>TINE TYPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Support wheels</td>
</tr>
<tr>
<td>Rear roller</td>
</tr>
</tbody>
</table>

### TINE TYPE

<table>
<thead>
<tr>
<th>PENETRATION DEPTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>14 15</td>
</tr>
</tbody>
</table>

### EQUIPMENT OPTIONS

<table>
<thead>
<tr>
<th>Equipment Options</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chisel points</td>
<td>5–44 cm</td>
</tr>
<tr>
<td>Cultivator frame height</td>
<td>55–85 cm</td>
</tr>
<tr>
<td>Roller type</td>
<td>Tube, Trapeze, Saturnus, Orion</td>
</tr>
<tr>
<td>Number of tines</td>
<td>5–54</td>
</tr>
<tr>
<td>Working width</td>
<td>120–800 cm</td>
</tr>
<tr>
<td>Tine spacing</td>
<td>16–42.5 cm</td>
</tr>
<tr>
<td>Power requirement</td>
<td>50–400 HP</td>
</tr>
<tr>
<td>Accessories</td>
<td>Warning sign with lighting and reflectors</td>
</tr>
<tr>
<td></td>
<td>Hydraulic lifting device</td>
</tr>
<tr>
<td></td>
<td>Depth control wheels</td>
</tr>
<tr>
<td></td>
<td>Various types of tines and chisels</td>
</tr>
</tbody>
</table>

We will be happy to help you select the right cultivator for your individual farming conditions.
The compact Vario-Disc disc harrow can be used for shallow stubble preparation on light and medium soils as well as for seedbed preparation for mulch seed, or behind the plough.

Thanks to continuous cutting angle adjustment and adjustable working angle, the Vario-disc harrow can be used in all soil conditions. Whatever the soil condition and type of soil texture, the easy-to-pull Vario-Disc provides outstanding results at a high rate of coverage.

In particular, the disc harrow shows its strengths in shallow stubble cultivation. Stubble processing with the Evers Vario-Disc disc harrow, ideal for short cutting and working in crop residues.

The continuous angle adjustment of the discs makes it possible to set the machine optimally for a perfect result.

In combination with a pre-cultivator, soil cultivation is also ensured.

Clever arrangement of the machinery elements ensures that only limited horse power is required.

The roller ensures the required depth, consolidation and degree of crumbling.

Extremely robust and adjustable tapered roller bearings ensure low maintenance.

The disc harrows are available in up to seven metre working widths and coupled with chassis, if required.

The continuous cutting angle adjustment enables an individual disc angle for each row.

Using the special stone protection device with maximum swing path, plant residues and stubble can be ploughed in effortlessly, even on stony soils.

Small working widths for use in fruit orchards or vegetable gardens can also be manufactured to customers’ requirements.
We will be happy to help you select the right cultivator for your individual farming conditions.

**EQUIPMENT OPTIONS**

- **Number of discs**: 8–56
- **Disc diameter**: 51–61 cm
- **Disc spacing**: 25–42.5 cm
- **Roller type**: Tube, Trapeze, Saturnus, Orion
- **Working width**: 1–7 m
- **Power requirement**: 50–450 PS

**Accessories**
- Trailed version
- Braking device
- Front version
- Central lubrication
- Warning panels with lighting

**DISC DIAMETER**

- 51 cm
- 56 cm
- 61 cm

**NUMBER OF ROWS**

- 2-row
- 4-row

**LINKAGE**

- Trailed
- Three-point

**VARIO CUTTING ANGLE ADJUSTMENT**

- With stone protection
- Without stone protection
For optimal consolidation.

Depending on soil conditions, machines should be fitted with different rear rollers for levelling, crumbling or consolidation. Evers offers a wide range of options, from the popular tube roller to the Saturnus roller developed by us, which has been constructed for use in wet conditions and on stony soils.

Rear rollers are not only suitable for consolidating the soil, they also promote water absorption and help raise the oxygen content in the soil. This prevents erosion and improves the soil quality.

<table>
<thead>
<tr>
<th><strong>TRAPEZE ROLLERS</strong></th>
<th><strong>TUBE ROLLERS</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Good crumbling on light and medium soils</td>
<td>Optimal consolidation on medium to heavy soils</td>
</tr>
<tr>
<td>Good bearing capacity on light and medium soils</td>
<td>Leaves behind a seedbed-prepared soil structure (ring spacing 12.5 cm)</td>
</tr>
<tr>
<td>Precision levelling and good consolidation for light conditions</td>
<td>Machine runs in line behind the tractor, also on hillsides</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>ORION ROLLERS</strong></th>
<th><strong>PICTOR ROLLERS</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Good crumbling on light and heavy soils</td>
<td>Even consolidation</td>
</tr>
<tr>
<td>Intensive levelling over the entire surface, even in heavy conditions</td>
<td>Self-cleaning by using two different ring sizes</td>
</tr>
<tr>
<td>Excellent consolidation, without over crumbling of the soil surface</td>
<td>Ideal for rolling on grassland</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>SATURNUS ROLLERS</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>For use in wet conditions and on heavy and stony soils</td>
</tr>
<tr>
<td>Even crumbling over the entire working width</td>
</tr>
<tr>
<td>Machine runs in line behind the tractor, also on hillsides</td>
</tr>
</tbody>
</table>

The trapeze roller is suitable for most soil conditions.
REAR ROLLERS IN DETAIL

Every soil is different, so Evers offers a wide range of rear rollers, depending on the soil type. However all Evers rollers have one thing in common: precise manufacture and robust design.

The V form makes the difference.

Roller diameter and number of tubes:
- Ø 36 cm – 7 tubes – ideal for lighter machinery on medium soils with good load bearing capacity.
- Ø 45 cm – 6 to 8 tubes – ideal for lighter soil cultivation machinery on all soils.
- Ø 62 cm – 8 or 12 tubes – ideal for heavier machinery, such as deep working cultivators on all soils.

Optional: the V form.
If required, your tube roller can have tubes mounted in V form. This special setup means that the roller runs more easily and levels the soil more evenly. The V form reveals is particularly useful on heavy soils and behind machines with larger working width.

Optional: angle or square irons.
As an alternative to the rollers with tubes, we also deliver rollers with angle irons or square irons. Both iron types are suitable for breaking up large clods or used stand alone to break up catch crops.

A roller for (almost) all soils and machines.

With its 62 cm diameter and ring spacing of 125 mm, this trapeze roller promotes optimal crumbling and achieves good consolidation of the soil, not least thanks to its weight. The spring cleaners between the rings interrupt the flow of earth, thus preventing clogging. The trapeze roller’s characteristics turn it into an optimal rear roller on most soils and behind most machines.

Working width and number of rings.
The number of rings depends on the width of the trapeze roller. The range begins with a working width of 50 cm with 4 rings and ends at 350 cm with 28 rings. From 20 rings, resp. 250 cm roller width, an intermediate bearing is standard.

Ideal for various soils.

Due to its large diameter, the Orion roller provides a first class result, particularly on light soils. The special ring structure prevents the roller from smearing, making the Orion roller suitable for use on heavy soils too. The roller is available in various versions, depending on the requirements.

Roller diameters:
- Ø 47 cm – 1 or 2 rows of rings
- Ø 59 cm – 1 or 2 rows of rings
- Ø 71 cm – 1 row of rings

Self-cleaning rings.

The Pictor roller adapts very well to the soil, making it reliable on both arable land and grassland. One highlight is the self-cleaning effect of the roller, resulting from the interaction between rings of various sizes. The small rings with a diameter of 44 or 56 cm are fixed on the axle, while the larger rings (Ø 49 or 62 cm) run freely along the path of the smaller rings, preventing clogging.

Working width and number of rings.
The number of rings depends on the width of the Pictor roller. The range starts with a working width of 100 cm with 17 rings and ends at 305 cm with 51 rings. With larger working widths, the roller is also available in a hydraulic folding version.

The Multi-talent.

The Saturnus roller is the optimal rear roller, particularly for farmers that grow crops on various soil types. With its robust construction, the roller runs easily in wet conditions and over stony soils. The special design prevents stones from becoming stuck between the rings.

Working width and number of rings.
Between 15 and 27 rings, each 62 cm in diameter, mounted onto the Saturnus roller, which is available from 100 cm working width. In the largest version (400 cm working width), it has a considerable weight of 915 kg, ensuring good consolidation.

TUBE ROLLER

TRAPEZE ROLLER

ORION ROLLER

PICTOR ROLLER

SATURNUS ROLLER
**Seedbed preparation.**

Evers rollers are ideal for rolling after seeding on any soil type. Furthermore, Evers rollers can also be used to stimulate growth and tillering on grassland or in grain crops.

By means of rolling, existing clods and crusts are broken up, thus assuring uniform field sprouting. At the same time, capillary action in the soil is improved and unwanted evaporation of soil moisture reduced.

The Concord roller also leaves a level and finely crumbled seedbed, even on heavy soils.

**CONCORD ROLLER**

- Extremely stable and durable frame.
- The rings are fitted as standard with corrugations of chrome-nickel steel and are also sealed with flange bearings.
- Staggered arrangement of the roller segments facilitates easy manoeuvring.
- The low centre of gravity ensures improved stability.
- The AWL (Automatic Weight Levelling) system ensures precise adaptation to the soil and constant, even weight distribution over the roller segments.
- Mechanical locking for secure transport on the road – available optionally with light fittings.
- Cambridge rings of 53 or 62 cm diameter available.
- CRumbling can be set precisely with the hydraulic levelling board, which can be fitted afterwards.
- Concord rollers are available with various ring types and diameters depending on use. Cambridge, Crosskill or Pictor rings can be chosen from among others.
- All Concord rollers can be fitted with a seeder for sowing fine seeds and cover crops.

Illustration as example for rollers.
GREENING ROLLER

- Three-point linkage for combining with other machinery.
- Maximum stubble crushing and mixing for optimal rotting.
- The robust frame is hydraulic folding.
- Effective soil cultivation by using two rollers of variable diameters.
- Ideal for crushing crops.
- Available as front mounting as well with mud guards against stone impact and dirt.
- Available as trailed version for stable use and secure transport.

PACKER ROLLER

- Fitted with cleaner as standard.
- Available as front mounting as well.
- Rigid or hydraulic folding frame.
- Meets every requirement due to variable working widths of 120 cm up to 455 cm.

Illustration as example for Packer rollers.

The packer roller is available in both a trailed and a hitched version.

The front packer features a steered linkage. Thanks to the pulling point at the front, the packer can optimally follow movements.

For better consolidation, the packer roller can also be integrated in the cultivator.

Our wide product range also features a double ring packer as rear roller behind a reversible plough. For optimal crumbling, the packer can additionally be equipped with a breaker ring.
Well prepared seeding.

The importance of careful seedbed preparation is usually only revealed during the harvest. To ensure that the resulting yield is as expected, the soil must be prepared optimally before sowing. This is where the Evers short combination comes into its own for seedbed preparation.

Tines and rear roller are perfectly attuned to each other and developed for use on ploughed fields. Mounting is possible both at the rear and at the front linkage.

Levelling and simultaneous consolidation lead to secure field sprouting, a uniform crop and ultimately a rich harvest.

Illustration as example for seedbed preparation.
The modular structure of our products enables us to offer a wide range of equipment options. Each basic model can be extended and assembled with the equipment required.

Here, no wishes are left unfulfilled: frame heights, working widths or number of discs - everything can be adjusted and customised to meet your requirements.

Our speciality – customised.

Whether soil preparation, slurry technology or grassland maintenance, our extensive product portfolio includes machines with extensive equipment options in the standard range.

If you are unable to find what you need, Evers can customise machinery to meet your requirements. All the machinery characteristics can be changed or modified, including working widths, types of parts and technical functions.

Configuration is carried out using basic and additional elements that are put together individually and then manufactured into your personal machine based on a professional design drawn beforehand.

Our engineers' years of experience mean that functionalities are quickly tested and implemented in the workshop.

Please ask our staff for advice.
The Evers Dales Spring tine cultivator is a very robust machine with a strong and stable frame. With its large frame clearance, I can easily cultivate fields with more crop residue. The result is a lovely smooth field. This machine is much better than cultivators produced locally.

“Strong construction, good frame clearance, better than local manufacturer.”

Mr. Takahashi, Abira (Japan)