Baertschi
Perma-Agrartecnic

OekoSem

ROTOR-Strip-Till System

DATA, FACTS, EVIDENCE

A SOLID SWISS PRODUCT

When it comes to modern agriculture, efficient and minimalistic tillage operations are especially important. Consequently, finding the right device becomes all the more important. It's all about creating an optimal seedbed in rows, minimizing soil erosion and operating costs and simultaneously securing your earnings over the long term.

As a genuine Swiss product manufactured by BAERTSCHI manufacturing, the **OekoSem ROTOR STRIP TILL** meets these requirements.

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- **You save time and money:**
  Through the simultaneous execution of several work steps, and the low levels of fuel consumption
- **Perfect erosion control:**
  The ground between the rows remains protected and navigable.
- **Secure and high yields:**
  The plants develop in a more favourable manner, thanks to the high water storage capacity.

LOWER COSTS

Several processes such as milling, sowing, fertilizing and sprinkling can be combined with each other.

You reduce the working time, fuel costs and maintenance costs

HEALTHIER SOIL

The coating between the rows prevents soil erosion and siltation.
.

Your healthy soil has a good structure, which results in excellent water infiltration.

HIGHER EARNINGS

The plants get nutrients, air and water, which results in the formation of the best possible germination conditions.

You attain higher yields
Thanks to well-developed plant populations.
.

The Rotor Strip Till helps our clients attain excellent results, when it comes to the cultivation of maize, rapeseeds, sunflowers and sugar beets

"OEKOSEM HELPS ME SAVE TIME AND MONEY"
Compared to other well-known cultivation systems, row crops offer a significantly higher degree of yield security. More and more of my customers want the sowing to be done with OekoSem!
Stefan Marx, contractor (Landscheid, Germany)

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- ✓ **Robust**
- ✓ **Safe to use**
- ✓ **Long-lasting**

Highest-quality material | **Compact structure** | **Highest level of efficiency**

The use of fine-grained alloy steel guarantees the longest possible service life.

The compact and torsion-resistant structure ensures maximum stability

Premium-quality materials used in the tilling blade guarantee an extended lifetime. The cultivator tines effectively eliminate congestion.

The row packer roller facilitates ideal reconsolidation ahead of the maize-sowing machine

A hitch with two hydraulic cylinders that can be used to install a single-grain sowing machine can also be delivered

OUR CUSTOMERS PROVE IT:
HIGHER EARNING, THANKS TO HIGHEST LEVELS OF EFFICIENCY AND HAELTHIER SOIL!

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SAVE up till 50%

The costs (wages, time and fuel) per hectare can be reduced to up to 50% of the costs associated with conventional cultivation.

Thanks to the OekoSem ROTOR STRIP TILL, harmful soil consolidations and siltations are a thing of the past.

Our customers have proven, over a period of 20 years, that the OekoSem ROTOR STRIP TILL helps them increase their yields in a sustained manner.

AND THAT'S NOT ALL

- The fertility of your farmland is enhanced
- The carrying capacity of the soil is improved
- The water storage capacity of the soil is enhanced
- OekoSem has been designed to facilitate blockage-free operations

TECHNICAL DATA

OekoSem ROTOR STRIP TILL

Working width	3 – 6m (4-12 rows)
Row spacing	50-75 cm
Working depth - Cultivator	20-25 cm
Working depth - Milling machine	6-15 cm
Drive speed	1000 U/min
Power requirement	from 90 kW/122 PS
Weight	ca. 1650 kg onwards

You can obtain further technical details and extensive advisory services related to the **OekoSem Rotor-Strip-Till system** upon request

Subject to technical modifications and product improvements

We develop and manufacture machines that keep your yields high over the long term!

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Comparative study conducted by LBBZ Hohenrain

The LBBZ conducted a study that dealt with ‘A comparison between strip milling machines and direct seeding’.

According to the field test that compared the use of the direct seeding process to the use of a strip milling machine, the use of a strip milling machine – ROTRO STRIP TILL – results in a lower level of rodent damage and a CCM yield that is 6% higher.

Analysed yields:

Procedure	**Yield - CCM/Fresh**	**TS %**	**TS yield - CCM**
No till (direct seeding)	134 kg/a	61.90%	83 kg/a
ROTOR STRIP TILL	141 kg/a	62.70 kg/a	88.5 kg/a

Brief description of the cultivation method used for this test:
Sowing on 19/05/2004 - Dolmen-grade, with the aid of ROTOR STRIP TILL and direct seeding (Nodet system). Planting-regulation: 24/05/2004 5l/ha round-up + 1l/ha oil, 17.04.04 tank mix 40g/ha Titus + 0.9 kg/ha Gesaprim Quick + 0.6 l/ha Banvel. Fertilization: 20 t/ha dung, for sowing - 2.5 kg/a ammonium nitrate, 23/06/2004 top dressing - 2.3 kg/a ammonium nitrate for the row.

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Yield analysis - Sowing of maize with OekoSem ROTOR STRIP TILL, season - 2012

Hörtenhuemer opera-
tion Edtholz 14 A-4600
Thalheim

Type Pioneer P 400, level 330
Time of sowing: 27/04/2012
Machine: Oekosem IV with Monosem (4 rows)

Fertilisation: 150 kg NAC row-fertiliser, 200 kg NAC as row-fertiliser on 25/05/2012, 30m3 pig manure before sowing.
.

Plant protection: Laudis and Aspekt (through the contractor)

Threshing: on 6/10/2012 6-row corn plucker

Area of the tract of land: 5580 m2
Yield from the tract of land: 9810 kg
Humidity: 30.8
Humidity deduction: 22.26% (30.8 humidity – 14% residual humidity = 16.8% x factor of 1.325 = 22.26% deduction)
Revised yield with 14% humidity: 7626.29 kg

Yield per hectare: 13667 kg of dry maize

OekoSEM – by itself

Most favourable growth of young plants

High-yield crops