

# Z- EX Corn borer system



**Corn borer and Fusarium disease are on everyone's lips.**

The Z-ex smashes maize stubble to the root and removes the corn borer larva where it tries to survive over winter.

The splicing of the stubble results in a better rot and thus a very good prophylaxis against the fusarium infection of the successor fruit.

A good work result is also confirmed in the corn by experts.

When mulching rapids and grain clusters, chaff, seeds and soil are selected, so that emergence traps, fox tails and weeds can be found.



The Z-ex can be used in maize, rapeseed, intercropping, cereals, maize stubble and under-sowing, meadow care, sunflowers, flowering strips, wildlife areas, etc.

Due to its construction, the Z-ex has no problem with regard to durability at grounding. Even the difficulties with stones do not exceed the usual measure for rotary harrows.

**MADE IN GERMANY – In daily use the best you will find on the market.**

The Z-ex rotary unit was developed and optimized on the field.

Over the past six years, we optimized and refined gyroscope function per customer's requirements. As demand grew, machine requirements were refined and the system was enhanced to optimize performance.

Z-ex has grown into an industry standard machine and customer demand encouraged us to market the system Z-ex into new geographic areas. In the autumn of 2016, a total of five prototypes were put into service by contractors and large companies, we now have a history of approximately 3,000 ha of trolley driving.

On the basis of this experience and with the help of engineers, plant cultivators and plant cultivation consultants, the machine has now reached the production stage. Planned production will allow us to supply the first series of rotary rakes from 4 m to 9 m working width beginning in mid year, 2017.

**Z-ex - Herzberger Landstraße 19, 37434 Gieboldehausen, Germany**

**Distribution USA: write to: [info@schmidt-management.com](mailto:info@schmidt-management.com)**

**Contact Person - USA: Amie Urban – Tel: 1- 520-414-6740**

# Z-ex Multiple usage

## **Cornborer**

The corn borer moth is about one inch long with a one-inch wingspan. The female moth is light yellowish-brown with dark, irregular, wavy bands across the wings.



## **Fusarium -**

Fusarium is a large genus of filamentous fungi, part of a group often referred to as hyphomycetes, widely distributed in soil and associated with plants.



## **Rapper & Stubble**

Treated right the following "Culture" grow much better.



## **Pigweed.**

Easy termination of Pigweed.



Above examples are only a few where the Z-EX unit can be used to success. We would be happy to hear about your success.

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Numerous investigations have shown that the corn borer developed at the beginning of May, 2016 from the borer dolls, which were wintering in corn stalks from the previous year. The moth then places eggs in the new corn stock. When the caterpillars hatch from the eggs, they quickly eat the inside of the corn stalk. There, they are safe from insecticides and their natural enemies.

Since the period of time from oviposition to feeding takes only about two weeks, the time window for controlling the caterpillars with insecticides or insects is very narrow. Furthermore, the individual measures are highly dependent on the weather. This makes it difficult to define the optimum time for the control of caterpillars.



This is aggravated by the fact that at this point the corn has often reached a height of almost two meters and that the field can no longer be driven with normal tugs without great damage. Once the larva is in the corn stalk, it does not pose any threat to corn harvest in the normal case.

With the use of the combine, approx. 70% of the caterpillars are transported into the silo and thus do no more damage. Approx. 30% of the caterpillars are fast enough to reach the lower root system.

and at this point they have eaten to a point below the third stem node in the corn stalk. When the caterpillar has arrived in the lowest internodes (stalk between two stalk nodes), it buries itself and can survive in intact internode even at temperatures down to -40 ° C (-40 F). If the stem walls are damaged, water penetrates into the shoot axis and makes it possible to overwhelm the larva.

## Delivery Program

MODEL NUMBER	ROTORS	OPERATING WIDTH	TRANSPORTABLE WIDTH	POWER NEEDED
Z-ex Farmer 238	2 rotors	149 In	98 In	70-100PS
Z-ex Farmer 440	4 rotors	157 In	118 In	90-130 PS
Z-ex Profi 440	4 rotors	157 In	118 In	90-200 PS
Z-ex Profi 445	4 rotors	177 In	137 In	100-200 PS
Z-ex Profi 450	4 rotors	196 In	157 In	120-200 PS
Z-ex Profi 880	8 rotors	314 In	137 In	150-300 PS
Z-ex Profi 900	8 rotors	354 In	157 In	180-300 PS

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