

Pro-Til Xzact

The innovative one pass precision striptill seeder



Marking a huge advance in seeding technology, the innovative Mzuri Pro-Til Xzact combines a striptill drill and a precision seeder in just one piece of equipment, meaning that one drill can now seed all types of arable and precision crops – in a single pass.

Two drills in one

Topped up from the drill's main 2800 litre seed hopper, the Xzact precision metering system is an optional extra that can be fitted to most Pro-Til striptill drills to provide non-stop seeding of precision crops including maize, sunflower and soya. The drill can just as easily be converted back into a standard Pro-Til drill for crops such as wheat, oilseed rape and beans.

Pro-Til Xzact delivers exceptional seeding accuracy, typically awarded by conventional precision seeding drills, in a form of a single pass drill, yet without any of the downsides. The innovative 'one pass precision seeding' approach eliminates ploughing and power-harrowing operations, which are widely recognised as huge contributors to erosion and loss of moisture, meaning that the soil's natural structure can be preserved to the benefit of the crop and the environment.

Significantly better results at considerably lower inputs

Capable of drilling straight into previous crop residue, the Pro-Til Xzact precision striptill drill has been proven to retain moisture, reduce soil and water erosion and improve soil structure whilst cutting diesel requirement by up to 80% compared with conventional seeding – without penalty to the yields.

With soil deterioration and lack of moisture proving an increasing problem in some heavily cultivated areas, partial or severe crop losses caused by the weather extremes, water erosion or draught are fast becoming commonplace.

Extensive trials comparing conventional establishment and Pro-Til Xzact one pass precision seeding have shown that crops drilled with the Mzuri Xzact have consistently outperformed conventionally established maize right through

to harvest. During extremely dry conditions, some plough & press maize failed to germinate whereas the Xzact precision striptill method produced a viable, healthy crop thanks to the system offering the optimum environment for the seed to develop and reach its full potential.

Non-stop precision seeding with advanced Xzact metering system

Pro-Til's seeding arm moves up and down to follow the contours of the ground, as well as pivots side to side to ensure the seed is always placed centrally in the pre-tilled area.

The Xzact system features an electronic precision seeding unit and coulter assembly to deliver single seed placement whilst the constant hydraulic pressure exerted onto each coulter arm ensures the seeding depth accuracy.

The system uses adjustable-pressure vacuum metering to accurately space crops, regardless of the seed size. Each unit contains a metering disc and a singulator to prevent skips or doubles and is driven by an electric motor which maintains the same seeding distance at variable speeds.



Unlike with conventional precision seeders, the mini hoppers on the Pro-Til Xzact drill are automatically replenished by a bulk fill mechanism on each metering unit directly from the Pro-Til's main tank, thus extending the drilling time and reducing downtime.

Pro-Til Xzact features hydraulic pressure adjustment to each individual arm and a coulter-following semi-pneumatic wheel to remove air pockets whilst ensuring that the soil is not over-consolidated for compaction-intolerant precision crops.

Unique combination of features to preserve soil and improve bottom line

Precision crops, particularly maize, favour warm, moist, well-structured soil and the Pro-Til Xzact can create these optimum conditions in a single pass.

As well as the state-of-the-art Xzact precision metering system, the Pro-Til offers a range of additional benefits awarded by the Mzuri one pass striptill technology.

The Pro-Til only cultivates a narrow strip of soil, leaving the rest of the ground undisturbed, thus not only improving the soil's natural structure and helping beneficial organisms to flourish, but eliminating unnecessary passes and reducing labour and fuel requirement. Less farm traffic, in turn, means reduced compaction, better structured soil and a healthier root system.

Additionally, the drill boasts a unique combination of features which have been engineered to prepare the perfect 'nursery seedbed' and ensure even germination.

With the help of the front cutting discs, the Pro-Til Xzact can drill directly into previous year's stubble,



Specification	PRO-TIL 3T Xzact	PRO-TIL 4T Xzact
Working Width	3m	4m
Transport Width	2.95m	2.8m
Dual Hopper Capacity	3400 l	3400 l
Row Spacing	33.3cm or 66.6cm	36.3cm or 72.6cm
No. of Coulters	9 or 5	11 or 6
Xzact precision metering units	5	6
Tractor Requirement	180hp +	240hp +
Working Speed	6-15km/hr	6-15km/hr
Format	Trailed	Trailed

thus preserving valuable soil structure and moisture, both of which are paramount for the successful establishment of precision crops. Independent leading discs are spring-loaded and pivot side to side to ensure good trash flow.

Next, the leading leg loosens the soil, preparing a strip of friable tilth, and places a band of fertiliser just below the seeding depth to ensure quick access of nutrients for fast root establishment. The band is then gently

reconsolidated by a following press wheel to remove pockets.

Seed is accurately placed at a consistent seeding depth by the Pro-Til pivoting seeding arm fitted with the Xzact precision metering system. Once the soil has been gently reconsolidated by the coulter-following semi-pneumatic wheel, a hydraulically pressurised harrow bar smooths the surface if required, ready for the effective application of pre-emergence chemicals.