

Redexim



MAINTAIN HYBRID
SPORTS FIELDS
TO PERFECTION

SCARIVATOR



ELEVATE HYBRID FIELD CARE WITH THE REDEXIM SCARIVATOR

Hybrid sports fields are becoming increasingly popular. These hybrid fields combine the best of both worlds - combining the durability and extended playtime of synthetic surfaces with the authentic feel of real grass. It's no surprise that more and more Premier League clubs are adopting this system. Even FIFA is involved in trials for the 2026 World Cup.

As the market for hybrid fields continues to grow, many fields are at risk of being discarded at the end of each season. This practice leads to significant waste of both money and materials. This financial and material waste is largely caused by the lack of a proper renovation solution to keep them in optimal condition from one year to the next.

To revolutionise hybrid pitch maintenance, Redexim introduced the Scarivator. The Scarivator is a cutting-edge tool specifically designed for renovating hybrid fields. By using it, costly replacements and repairs can be avoided while ensuring excellent playing conditions and extending the lifespan of the fields.

The Scarivator features adjustable tines for custom depth control, ensuring precision without damaging synthetic fibres. Its innovative design includes horizontal beams with angled spring tines that remove organic material and thoroughly loosen the soil.



Designed to be perfectly paired with the Turf-Stripper and its hybrid rotor, the Scarivator provides an unparalleled renovation solution. This combination enhances the removal of rootzone material, creating an ideal seedbed for new applications and ensuring a smooth, level surface.

After years of rigorous testing in collaboration with hybrid carpet manufacturers and in conjunction with contractors, the Scarivator has become the preferred choice for contractors and turf maintenance professionals. From compacted hybrid fields to heavily worn synthetic surfaces, the Redexim Scarivator is your ultimate tool for efficient and effective pitch renovation, embodying the quality and reliability that Redexim is renowned for.

POPULARITY AND BENEFITS OF HYBRID FIELDS

Hybrid sports fields are becoming more popular. These fields allow up to four times more activity compared to natural sports fields. However, hybrid fields still require frequent renovation due to soil compaction from the high sand content and synthetic fibres.

What Is a Hybrid Sport System?

Hybrid sports systems combine synthetic fibres with natural turf. There are two main types:

1. Hybrid Stitched System: A synthetic fibre is sown to a depth of 18 cm (7 inches) into a soil profile, with 2 cm (0.8 inches) exposed above the rootzone. This system is designed to last up to 15 years.

2. Hybrid Carpet System: A lower-cost alternative, these systems use an open-backed carpet within the soil profile with a fibre up to 7 cm (2.8 inches) and with 2 cm (0.8 inches) of exposed fibre above the rootzone. This system is designed to last up to 5 years.

Maintenance and Costs for Hybrid Fields

Hybrid systems require consistent, often annual renovations to maintain their integrity. Without proper maintenance, an entire hybrid field is often discarded at the end of the season. Installation costs range from €250,000 to €1.5 million (\$270,000 to \$1.62 million). These fields are considered contaminated waste and are subject to high taxes as they must be disposed of in a landfill.

The challenge with renovating these hybrid sports fields is the efficient and effective removal of organic material without causing damage to the synthetic fibres, which could result in expensive repairs and reduce the overall lifespan of the surface.

THE ULTIMATE HYBRID SURFACE RENOVATION TOOL

The Scarivator is designed to efficiently renovate hybrid fields. It features adjustable tines that allow for precision depth control and ensure minimal damage to synthetic fibres. The horizontal beams with angled spring tines loosen soil and organic material without the risk of fibre wrapping around a rotor.

- Adjustable tines for custom depth control up to 35 mm (1.38").
- Horizontal beams with angled spring tines minimise fibre damage.
- Ideal for loosening compacted soil on hybrid, synthetic, and natural surfaces.
- Creating the perfect seedbed for new rootzone application.
- Perfectly complements the Turf-Stripper during the renovation process.



Scarivator

SKU	164.210.001
Working width	2.13 m (83.9")
Working depth	0-35 mm (0-1.38")
Weight	626 kg (1380 lbs)
Working Speed	up to 3 km/h (1.86 mph)
Min. HP Required:	40 hp
Including:	Front roller - Set of tines - PTO with slip coupling



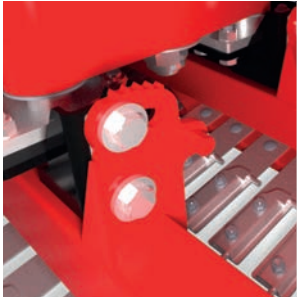
How It Works

The Scarivator uses two horizontal beams with angled spring tines to work into the surface, minimising any damage to the synthetic fibres. The horizontal beams reciprocate across each other to agitate and loosen the organic material and soil without the risk of fibre wrapping around a rotor.

The tines are adjustable in angle and depth up to 35 mm (1.38") to allow for varying levels of aggressiveness, and to ensure the correct working depths are achieved while protecting hybrid fields from being worked too aggressively. This precision is crucial in hybrid carpet systems where rotating blades can lift the backing from the hybrid sports field.



Infinitely adjustable working depth



Adjustable tine angle for varying degrees of aggressiveness

THE RENOVATION PROCESS - A WINNING SOLUTION

Hybrid surfaces naturally become compacted, which necessitates effective renovation to maintain performance and longevity. The process begins with the Scarivator, designed to loosen the uppermost layer of the surface. This initial step is crucial as it prepares the ground for additional steps in the renovation process. The Turf-Stripper can work in conjunction with the Scarivator and can remove more rootzone material in a single pass. When used together, the Scarivator and Turf-Stripper provide a comprehensive solution that works effectively on hybrid, and natural surfaces, even those with heavy wear.





As the Scarivator loosens the top layer, it addresses naturally occurring hardpan in the soil profile. This hardpan is a concrete-like layer that can hinder proper root development and water absorption. The Scarivator etches away at this hardpan, leveling the surface and ensuring that the Turf-Stripper can perform optimally without damaging the backing, particularly on hybrid carpets.

Once a loose tilth has been achieved, new rootzone material can be applied, creating the perfect seedbed for future growth. This renovation method is versatile and enhances hybrid surfaces. Additionally, the Scarivator has shown effectiveness in maintaining synthetic surfaces by agitating and lifting infill on heavily worn carpet systems, ensuring a renewed, even playing field.

FINAL THOUGHTS

The Scarivator by Redexim represents a significant advancement in turf maintenance. Designed with contractors in mind and rigorously tested over time, it is capable of maintaining hybrid, synthetic, and natural surfaces, offering a comprehensive tool for turf facilities. Whether it's for thorough and efficient renovation work or periodic maintenance, the Scarivator's versatile and adjustable features make it an essential tool for any groundsman aiming to maintain high-quality playing conditions. For more information about the Scarivator, contact a Redexim representative today.



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