



# Rani SILO<sub>2</sub>

Single sheet solution

**S** Many farmers have come to rely on the RaniSILO2 single sheet's unique quality and effectiveness although it has been on the market for a short period of time.

What makes RaniSILO2 stand out from the rest is its special oxygen barrier. It prevents oxygen from penetrating the silage and improves the fermentation process. In fact, the film's EVOH-barrier blocks oxygen up to 100 times more efficient when compared to conventional silage sheets.

This low oxygen permeability means that farmers get maximum forage quality and suffer less

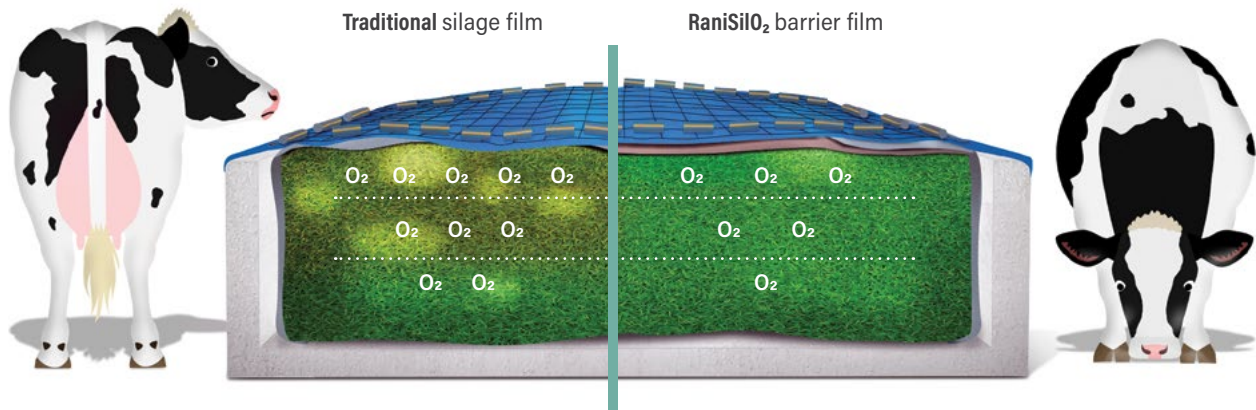
forage losses in the upper layer of the clamp.

Thanks to the advanced protective features of RaniSILO2, only a single sheet is needed to cover the silage. Created with the future in mind, RaniSILO2 saves the farmer's time and money. We at Rani Plast are committed to developing products that offer great value to farmers.

The RaniSILO2 sheet is 100% recyclable as LDPE, in a similar way to conventional silage sheets.

Please contact your Rani Plast film specialists for more information. You can also visit our [Youtube channel](#) to discover more about RaniSILO<sub>2</sub>.

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## The how and why of RaniSILO<sub>2</sub>

A high dry matter content will affect compaction across the silage clamp. The structure of the chopped material will also impact forage quality as chopping improves compression and reduces the availability of oxygen. Compaction is best in the lower layers of the pile, which is why RaniSILO<sub>2</sub> has been developed to offer protection where it's needed the most: in the upper.

1. RaniSILO<sub>2</sub> prevents gas exchange and lowers the pH value at a fast rate
2. RaniSILO<sub>2</sub> ensures that the aerobic stability of the silage lasts longer
3. RaniSILO<sub>2</sub> ensures a significant reduction in DM/feed losses

### Calculation example for a 12 x 50 m silo:

38% less loss in grammes/kg DM - 10% less loss of protein.  
This equates to EUR 2.50/m<sup>2</sup> of savings.

$$\text{€2,50} \times 600\text{m}^2 = \text{EUR 1.500 added value from the silage}$$

Additional benefits include better feed conversion, higher milk quality, and improved animal health.



Our findings are based on field tests and feed tests conducted in laboratories.