

**Premium
crop baling solutions
- the whole assortment**



TRIOWRAP[®]



“We’re running a contracting business for baled silage and have been using the Triowrap products for more than 20 years now”

**Steffen Rüttger,
German Contractor**

TRIOWRAP®

Try our
bale wrap guide
on triowrap.com

Triowrap crop baling solutions	4
How to be sustainable in baled silage	6
Recycled bale wrap? Of course!	8
PlusTech	10
Triowrap	12
Triowrap loop	14
Triowrap plus 1900/2400 RS	16
Triowrap plus 1900 RS Charity Edition	18
Triowrap plus 2100/2600 R	20
Contractorwrap packaging	22
TrioBaleCompressor	24
Sleeve packaging	26

THE STORY

Triowrap was introduced in the 1980's and is one of the worlds most used bale wrap. We have a long history within the baling application and Triowrap is well tested by contractors, machine manufactures, independent research institutes and SLU (Swedish University of Agricultural Sciences).

The Triowrap premium film assortment offers you highest reliability due to best running performance, solutions for wrappers as well as ideal characteristics for securing the valuable feed.

A full range of products to cover all needs when baling crops - For best economical silage with a sustainable leadership!



TRIOWRAP CROP BALING SOLUTIONS

Bale wrap guide on Triowrap.com

Premium

Silage quality

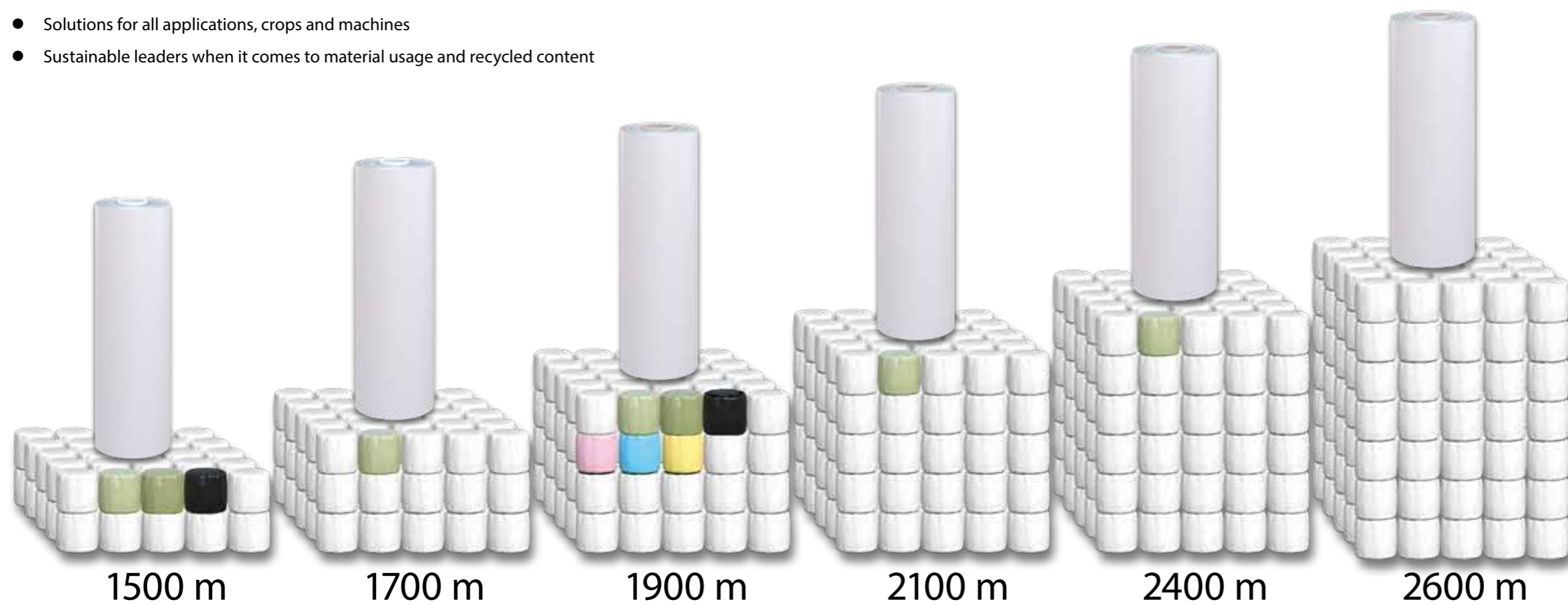
Service

Efficiency

Sustainability

OUR BALE WRAP PRODUCTS

- Solutions for all applications, crops and machines
- Sustainable leaders when it comes to material usage and recycled content



BALE WRAP PACKAGING OPTIONS

- Packaging alternatives for all different needs
- Contractorwrap or the unique patented sleeve packaging for reduced waste and efficient baling



MANTLE FILM FOR BEST FILM ON FILM PERFORMANCE

- Highest bale output in the market for mantle film
- Film on film with our PlusTech products for perfect seal of the bales with high silage quality and optimal bale shape for easy bale handling and storage



TRIED AND TESTED



TECHNICAL SUPPORT IN FIELD



HIGHEST EFFICIENCY



PROVEN SILAGE QUALITY



HOW TO BE SUSTAINABLE IN BALED SILAGE

- Reduce your feed losses – Triowrap products have been proven with very low losses, e.g. dry matter losses down to 1%
- Be efficient in your silage making – with our Triowrap plus products you can increase your efficiency by up to 73%!
- Switch to our thickness optimised Triowrap plus products, based on the PlusTech technology for reduced material usage
- Use products with recycled content – Try our Triowrap loop! Triowrap plus and TrioBaleCompressor are also available as loop options reducing the carbon footprint by up to 50%!
- Reduce your packaging waste by switching to packaging alternatives as Sleeve or Contractorwap
- Collect and sort plastic waste after usage for recycling – all Triowrap products are fully recyclable, including the packaging!

FEED LOSSES HAVE THE HIGHEST IMPACT

Making high-quality silage and preserving the nutrient value of the plant material as good as possible is the foundation for sustainable baling. Nothing affects your carbon footprint as much as feed losses. Additionally low losses save cost and contribute to animal performance and welfare.

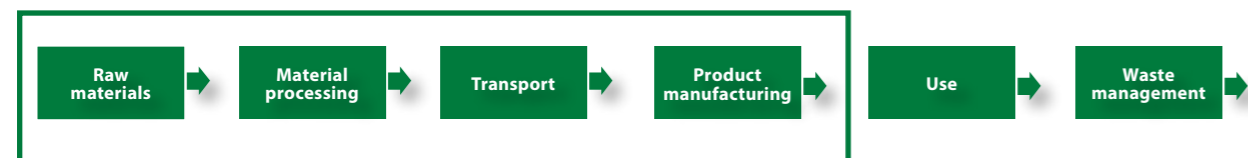
With Triowrap and Triowrap plus compared to market standard, you can:

- Get a silage quality tested product
- Produce baled silage with DM-losses of 1%
- Decrease losses equal to 6-13 liters of milk per bale

IN THE END OF THE DAY IT'S THE VALUE OF THE SILAGE THAT COUNTS!

WHAT IS LCA AND WHY DO WE MEASURE IT?

Our Life Cycle Assessment (LCA), performed with SimaPro, is a method to assess the overall environmental impact of a product's life cycle. Our analyzes are done considering the climate impact until delivery of the product (cradle-to-gate). In our assortment you can chose products with up to 50% reduction of climate impact. For all our more sustainable solutions, regardless if based on PlusTech or loop technology, we have LCA figures available, which state the specific carbon footprint reduction.



“You can save plastic and have recycled material in it at the same time.

That's just fantastic!”

**Carl Johan Bertilsson
Swedish Farmer**



RECYCLED BALE WRAP? OF COURSE!

As feed losses have the greatest impact on sustainability in baled silage, a premium bale wrap to maintain the forage quality is mandatory. But: this premium bale wrap film can be made from recycled content!

Thanks to our own recycling plants and our advanced technology, we have succeeded to develop a portfolio of products with recycled content, also called loop. Our loop products offer the same mechanical and ensiling properties as our regular Triowrap films.

The PCR (post-consumer recycled material) used in the film comes from used bale wrap, which enables a true loop within baled silage! Our loop film has been tested regarding silage quality by the Swedish Agricultural University.

Already more than 1 million bales done successfully, what are you waiting for?

Switching to bale wrap containing recycled content can't be easier than that!



LOOP



REGRANULATES



CLEANED AND SHREDDED



USED FILM

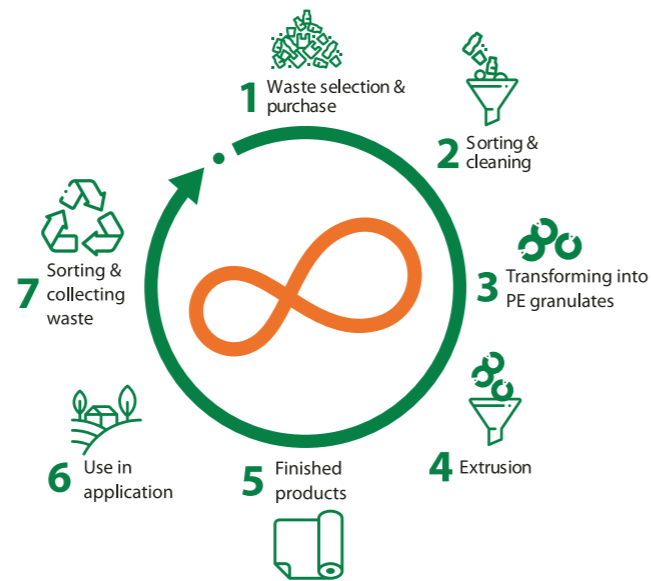


BALE WRAP FILM

WHAT MAKES OUR LOOP PRODUCTS SO SPECIAL

- Contain recycled content and are fully recyclable
- Close the loop - from agri to agri
- Same mechanical properties as the virgin product
- Excellent stretchability and elasticity for airtightly wrapped bales with long lasting protection
- Can be used on all types of wrappers and crops

THE RECYCLING PROCESS



It feels good to take a step forward for the climate with recycled plastic, especially when it works as well as it does.

Andreas Neass

Norwegian contractor

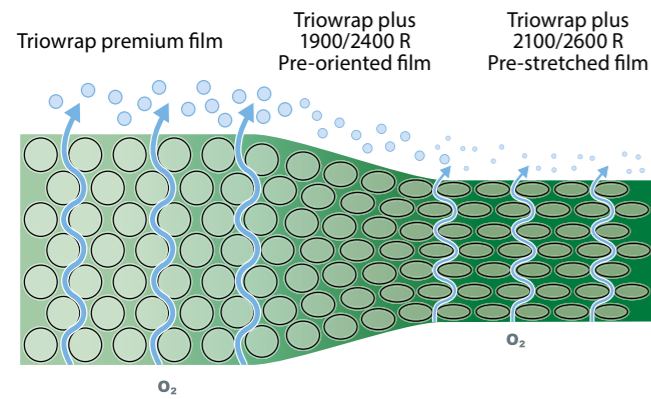


HOW SUSTAINABILITY MAKES YOU MORE EFFICIENT AT THE SAME TIME: PLUSTECH™

PlusTech is our name for a number of technology innovations that combine a special blend of raw materials, unique manufacturing processes and over 50 years of knowledge and silage expertise in different processes to achieve products with improved efficiency for end-users.



THE UNIQUE TECHNOLOGY FOR A PERFECT THINNER PREMIUM FILM

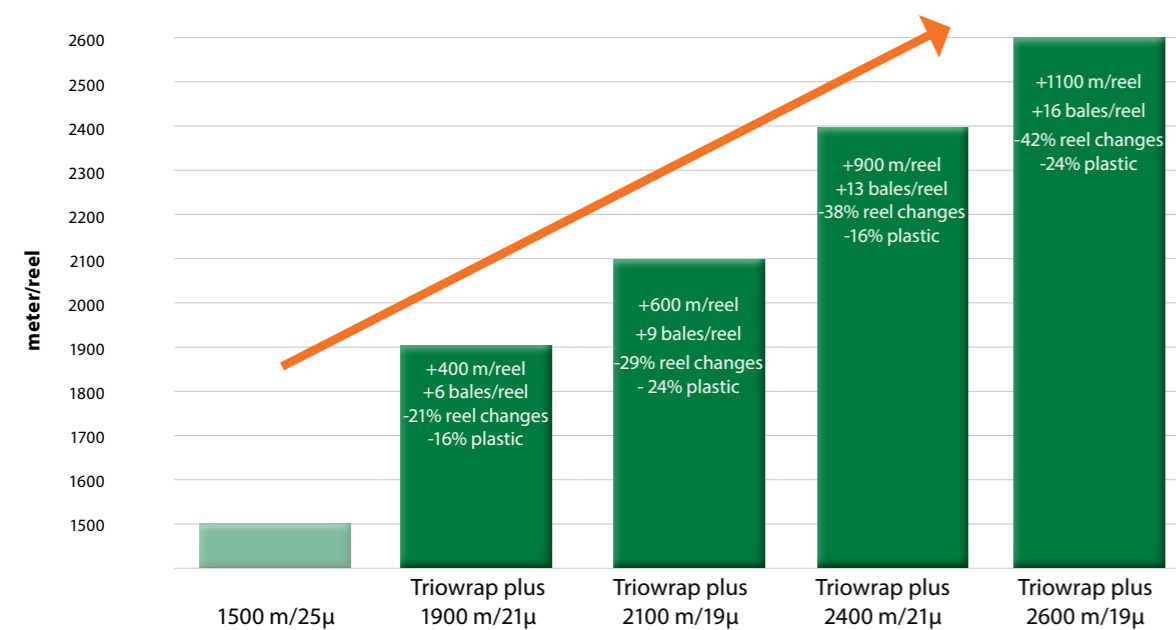


The special technology makes it possible to use less raw material for the production of a premium bale wrap. The LCA figures for our PlusTech films prove carbon footprint reductions up to 25%. Additionally, due to less plastic used per bale, it reduces the waste. At the same time you can increase your efficiency significantly, thanks to more meters of film per reel! Check out below graphic to see just by how much.

Your benefits with PlusTech

- Less climate impact
- Optimized wrapping and ensiling properties
- No compromising on fodder quality
- Best economical silage due to highest efficiency
- Excellent tear strength
- Minimal air permeability
- Smooth bale surface
- Minimized disposal costs

Higher efficiency – Save time & money!



Based on: Round bale 1,20 m, 6 layers of film, 55 % overlap, 70 % pre stretch, when comparing to 1500 m/25µ film.



"I am wrapping 10.000 bales per year - I really need an efficient bale wrap, I can rely on. For years now, the Triowrap plus products have been the right choice for me."

**Per Johnsson,
Swedish Contractor**

TRIOWRAP[®]

The Original

TRIED, TESTED, PROVEN

- Tried and tested with high performance and high silage quality
- Reliable choice for all wrapping applications
- Premium multilayer blown film up to 7 layers
- Fully recyclable



PRODUCT DATA

Dimensions	Reels/pallet	Colour	Core	UV-Protection	Application
500 mm x 0.025 mm x 1800 m	24	White, Eco Green, Green, Black	Plastic (PP) core	12 months	For round and square bales
750 mm x 0.025 mm x 1500 m	15	White, Eco Green, Green, Black	Plastic (PP) core	12 months	For round and square bales
750 mm x 0.025 mm x 1700 m*	15	White, Eco Green	Plastic (PP) core	12 months	For round and square bales

*Contractorwrap packaging, no box packaging for efficient handling. Also with more meters per reel!



Triowrap fulfils the requirements set out in SP's Certification rules for P-marking of Agri-stretch film for round-bale ensiling, SPCR 063.

Try our
bale wrap guide
on triowrap.com

WANT TO LEARN MORE ABOUT TRIOWRAP?

If yes, you can take a look at our Triowrap product brochure or scan the QR code on the right.



**Tried and tested
a million times!**



TRIOWRAP loop™

The Original with Circularity

YOUR RELIABLE AND SUSTAINABLE CHOICE

- Contains a minimum of 30% PCR (post-consumer recycled)
- Premium bale wrap which decreases the carbon footprint by at least 29%*
- Proven product both regarding wrapping performance and silage quality
- A true loop – from agri to agri!



* LCA modeled 2021 in SimaPro using data from the ecoinvent inventory database. Reduction in impact when comparing Triowrap loop 25µ to Triowrap 25µ virgin.

PRODUCT DATA

Dimensions	Reels/pallet	Colour	Core	UV-Protection	Application
500 mm x 0.025 mm x 1800 m	24	White, Green	Plastic (PP) core	12 months	For round and square bales
750 mm x 0.025 mm x 1500 m	15	White, Eco-green, Green, Black	Plastic (PP) core	12 months	For round and square bales
750 mm x 0.025 mm x 1700 m*	15	White, Eco-green	Plastic (PP) core	12 months	For round and square bales

*Contractorwrap Packaging, no box packaging for efficient handling and less waste. Also with more meters per reel!



Triowrap loop has been proven by the Swedish University of Agricultural Sciences (SLU) to enable high silage quality. (2020)



Triowrap loop has been certified by RecyClass.



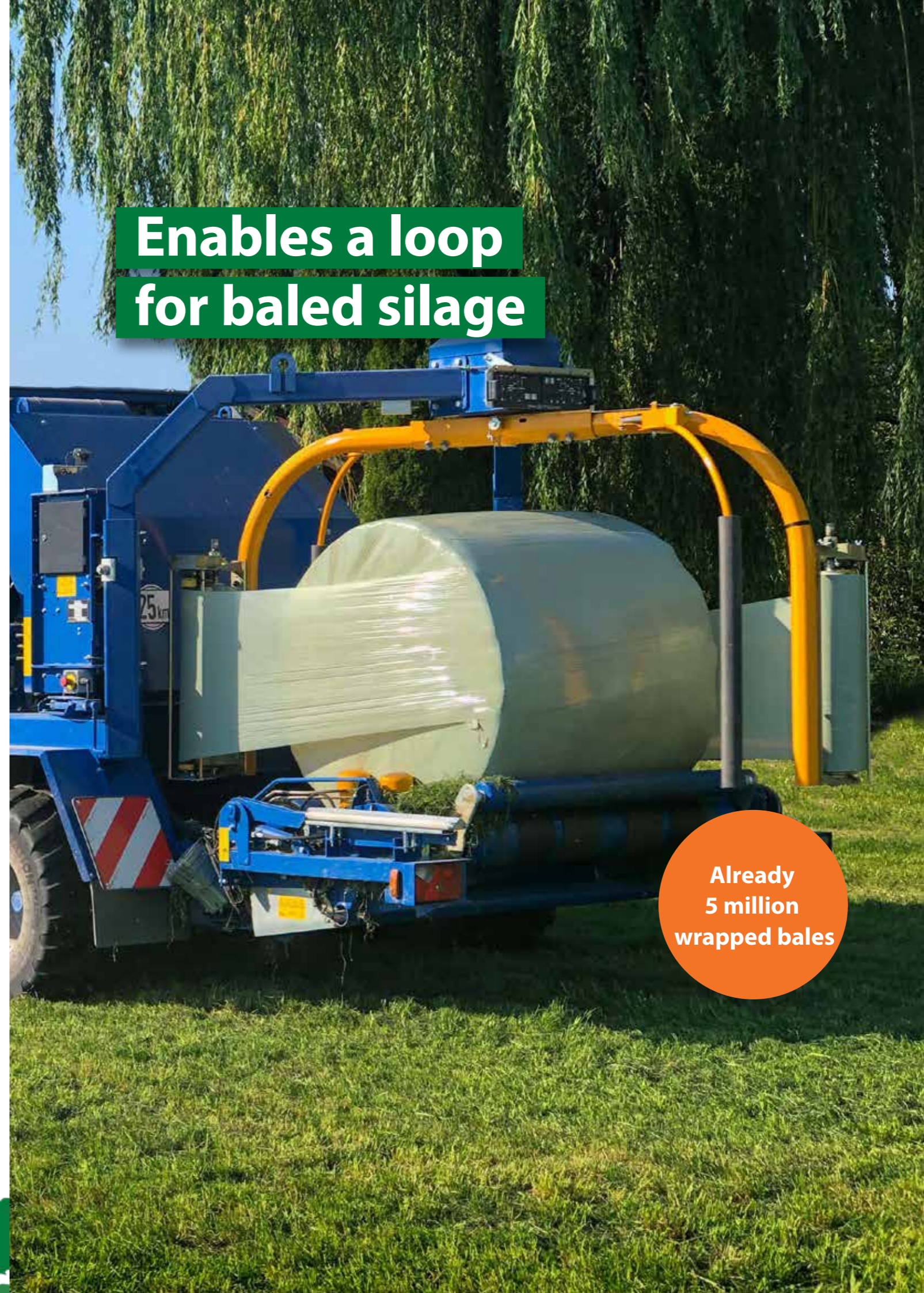
If you're satisfied with our Triowrap loop, try our loop versions of Triowrap plus and TrioBaleCompressor!

WANT TO LEARN MORE ABOUT TRIOWRAP LOOP?

If yes, you can take a look at our Triowrap loop product brochure or scan the QR code on the right.



Enables a loop for baled silage



Already 5 million wrapped bales



PLUS TRIOWRAP[®] 1900 RS 2400 RS

For best efficiency

MAKES YOU MORE EFFICIENT!



Up to 41% reduced carbon footprint*



Proven with low silage losses - DM losses down to 1%!**



More meters per reel - Increased output per day

* LCA modeled in SimaPro using data from the ecoinvent inventory database. Reduction in impact when comparing loop version of Triowrap plus 1900/2400 RS 21μ to Triowrap 25μ.
** Test by Swedish University of Agricultural Sciences (SLU) 2016



PRODUCT DATA

Dimensions	Reels/pallet	Colour	Core	UV-Protection	Application
750 mm x 0.021 mm x 1900 m ∞	15 ²⁾	White, eco-green, green, black ¹⁾	Premium water protected paper	12 months	For round and square bales
750 mm x 0.021mm x 2400 m	16 ²⁾	White, eco-green	Premium water protected paper	12 months	For round and square bales

¹⁾ Charity edition: pink, blue, yellow

²⁾ Packaging: 1900 m - Box, sleeve or Contractorwrap packaging Solution. 2400 m - Only Contractorwrap packaging solution.

∞ Available as loop, containing 30% PCR, RecyClass certified



Triowrap plus has been tested by the Swedish University of Agricultural Sciences (SLU) regarding silage quality and feed losses.

WANT TO LEARN MORE ABOUT TRIOWRAP PLUS RS?

If yes, you can take a look at our Triowrap plus RS product brochure or scan the QR code on the right.



Highest efficiency for all bale types in all machines!



Also available as loop with 30% PCR

PLUS TRIOWRAP[®] 1900 RS Charity Edition



SUPPORTS CANCER AWARENESS

- Same function and high quality as other Triowrap plus 1900 m products
- Light colors pink, blue and yellow raise awareness for cancer and also help to achieve a high quality silage
- Raises money for donation to cancer research*
- Contains a minimum of 30% PCR (post-consumer recycled)
- For all machines and for all bale types



*Guaranteed donation for each reel. Amount of money depends on agreement in each country/region where the product is sold.

PRODUCT DATA

Dimensions	Reels/pallet	Colour	Core	UV-Protection	Application
750 mm x 0.021 mm x 1900 m	15	Pink, Blue, Yellow*	Premium water protected paper	12 months	For round and square bales

* Triowrap plus 1900 is also available in white, ecogreen, green and black

Breast cancer	You can be proud, because with this product you are donating to your local charity organization while raising awareness for cancer at the same time!
Prostate cancer	
Childhood cancer	

DID YOU KNOW...

...that the original idea was hatched by a farmer in New Zealand and became a reality through close cooperation between us and our New Zealand partners in 2014? The campaign, which started with the pink film to raise awareness and funds for breast cancer, primarily in rural areas, became such a success, that we decided to launch a blue bale wrap in 2015 to support prostate cancer awareness. In 2018 we completed the family: with a yellow bale wrap film we want to support childhood cancer organizations.



Guaranteed donation for each reel

Charity edition for raising cancer awareness



PLUS TRIOWRAP[®] 2100 R 2600 R

For best efficiency



MAKES YOU MORE EFFICIENT!



25% reduced carbon footprint due to less material usage*



Proven with low silage losses - DM losses down to 1%!**



More meters per reel - Increased output per day



* LCA modeled in SimaPro using data from the ecoinvent inventory database. Reduction in impact when comparing Triowrap plus 2100/2600 R 19µ to Triowrap 25µ.

** Test by Swedish University of Agricultural Sciences (SLU) 2016

PRODUCT DATA

Dimensions	Reels/pallet	Colour	Core	UV-Protection	Application
730 mm x 0.019 mm x 2100 m ∞	15 ¹⁾	White, eco-green	Premium water protected paper	12 months	For round bales
730 mm x 0.019 mm x 2600 m	16 ¹⁾	White	Premium water protected paper	12 months	For round bales

¹⁾ Packaging: 2100 m - Sleeve or Contractorwrap packaging Solution.
2600 m - Only Contractorwrap packaging Solution.

∞ Available as loop, containing 30% PCR, RecyClass certified



Triowrap plus has been tested by the Swedish University of Agricultural Sciences (SLU) regarding silage quality and feed losses.

PATENTED
EP3256319

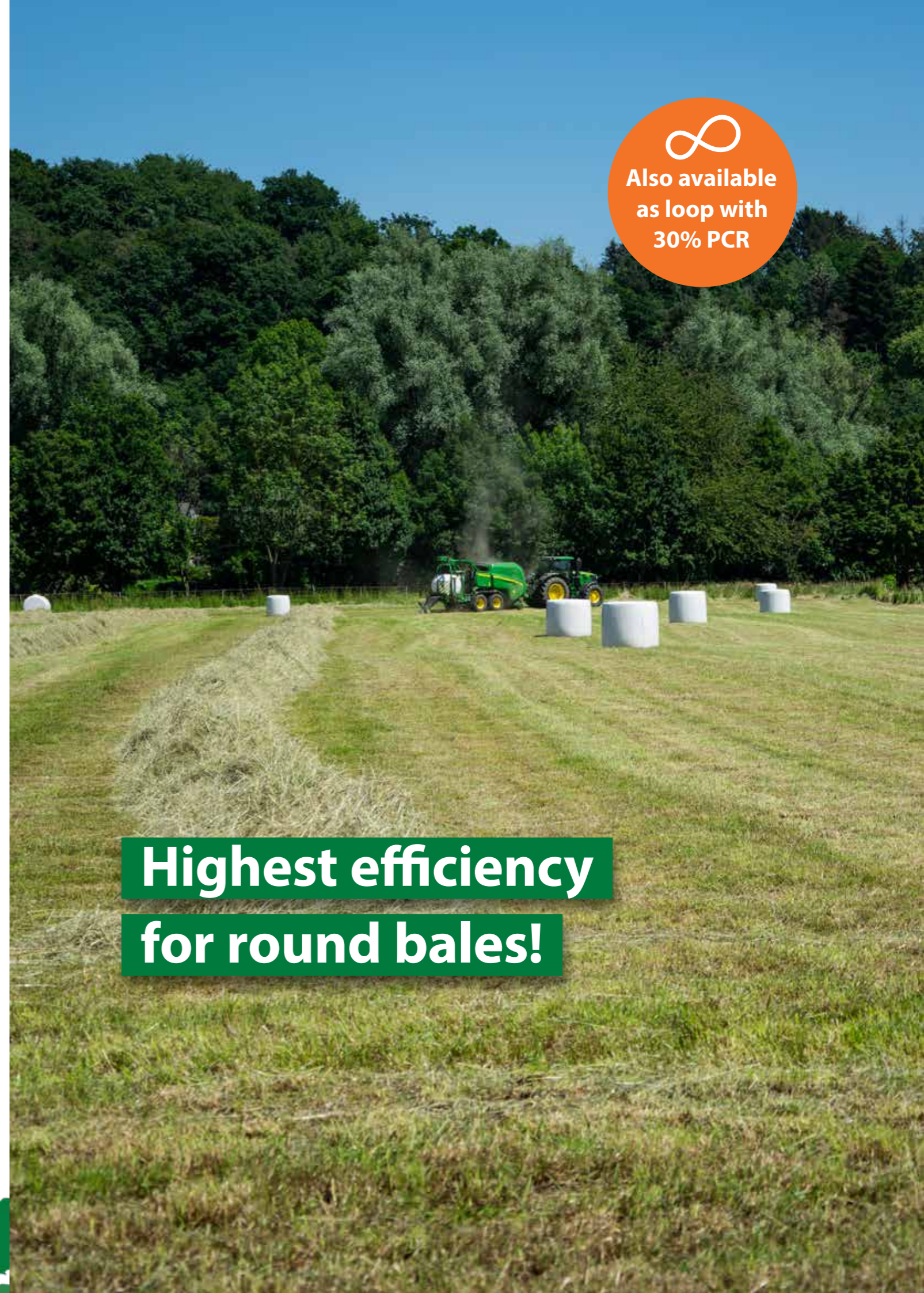
WANT TO LEARN MORE ABOUT TRIOWRAP PLUS R?

If yes, you can take a look at our Triowrap plus R product brochure or scan the QR code on the right.



∞
Also available
as loop with
30% PCR

Highest efficiency
for round bales!



TRIOWRAP[®]

CONTRACTORWRAP[®] PACKAGING

- Quick loading of the machine
- No handling of empty boxes
- Less impact on the climate



AVAILABLE ON THESE PRODUCTS

Product	Dimension	Reels/pallet	Colour	Core	Layers per bale:
Triowrap	750 mm x 0.025 mm x 1700m	15	White, Eco green	Plastic (PP) core	
Triowrap loop	750 mm x 0.025 mm x 1700m	15	White	Plastic (PP) core	
Triowrap plus	750 mm x 0.021 mm x 1900m	15	White, Eco green	Paper, Water protected	
Triowrap plus	730 mm x 0.019 mm x 2100m	15	White, Eco green	Paper, Water protected	
Triowrap plus	750 mm x 0.021 mm x 2400m	16	White, Eco green	Paper, Water protected	
Triowrap plus	730 mm x 0.019 mm x 2600m	16	White	Paper, Water protected	



**Special packaging solution
for contractors**

**Saves time
and
waste**

TRIOBALE[®] compressor

Takes your silage to the next level

PREMIUM MANTLE FILM FOR SECURING SILAGE VALUE

- 10-30% higher output per reel compared to other brands - lower cost per bale!
- Patented properties – Enables optimal efficiency and tear resistance on bale!
- Increases the silage quality according to independent tests*
- 50% reduced carbon footprint when using loop version**

* Test by Swedish University of Agricultural Sciences (SLU) 2015

** LCA modeled in SimaPro using data from the ecoinvent inventory database. Reduction in impact when comparing loop version of TrioBaleCompressor 16μ to TrioBaleCompressor 20μ virgin.



PRODUCT DATA

Dimensions	Reels/pallet	Colour	Stretch in machine*	Specific benefits
1280 mm x 0.013 mm x 3000 m	16	Tinted white	5-13%	Perfect for stationary machines – many bales between reel changes. 25-30% increased output compared to other brands.
1280 mm x 0.016 mm x 2400 m	16	Tinted white	15-20%	Perfect combination for mobile and stationary machines for edge to edge. 25% increased output compared to other brands.
1400 mm x 0.016 mm x 2200 m ∞	16	Tinted white	18-30%	Superior product for mobile balers for professional use and possibility to cover edge. 20% increased output compared to other brands.
1400 mm x 0.016 mm x 4500 m	9	Tinted white	18-30%	Highest efficiency with minimum downtime. For applicable machines please visit triowrap.com
1400 mm x 0.020 mm x 1800 m ∞	16	Tinted white	25-35%	Heavy duty product for mobile balers for all type of users with possibility to cover edge. 10% increased output compared to other brands.

∞ Available as loop, containing 30% PCR, RecyClass certified *Stretch levels for each product are stated on the reel label



TrioBaleCompressor has been tested by the Swedish University of Agricultural Sciences (SLU) which proved better shaped bales, better airtightness and less mould, when compared to bales with net binding.

WANT TO LEARN MORE ABOUT TRIOBALECOMPRESSOR?

If yes, you can take a look at our TrioBaleCompressor product brochure or scan the QR code on the right.



Innovative mantle film for
increased silage quality



∞
Also available
as loop with
30% PCR

ONE PIECE PACKAGING CONCEPT - UNIQUE SLEEVE

- Edge protection for safe reel handling
- 100 % recyclable plastic – can be recycled with bale wrap
- Unwinding direction on packaging for convenient loading
- One piece packaging for efficient reel changes
- Stretch levels of product on the label



AVAILABLE ON THESE PRODUCTS

Bale wrap film

Product	Dimension	Reels/pallet	Colour	Core
Triowrap plus RS	750 mm x 0.021 mm x 1900m	15	White, Eco green, Black	Paper, Water protected
Triowrap plus R	730 mm x 0.019 mm x 2100m	15	White, Eco green	Paper, Water protected

Mantle film

Product	Dimension	Reels/pallet	Colour	Core
TrioBaleCompressor	1280 mm x 0.013 mm x 3000 m	16	Tinted white	Paper
TrioBaleCompressor	1280 mm x 0.016 mm x 2400 m	16	Tinted white	Paper
TrioBaleCompressor	1400 mm x 0.016 mm x 2200 m	16	Tinted white	Paper
TrioBaleCompressor	1400 mm x 0.020 mm x 1800 m	16	Tinted white	Paper



Unique patented sleeve packaging



Perfect reel protection



Efficient & sustainable silage making

We know the hazards and challenges of the harvest season and we can support you with our many years of experience. If you need help, our silage experts and technical support team is there to support you to improve your yield, efficiency and sustainability in your silage making - all over the world.

Find out more on [triowrap.com](https://www.triowrap.com)



Follow us on Facebook and Instagram
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APE Europe objective is to improve agri-waste recycling rate by the implementation of national collecting Schemes (NCS) all over Europe.