

COTESI<sup>®</sup> UK

# CROP BALING

Baler Twine | Netwrap | Stretch Film | Silage Nets







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# SUSTAINABILITY AND ENVIRONMENT

The COTESI Group is an active member of organizations linked to recycling.

We want to help to provide farmers with a sustainable solution, being part of environmental schemes that allow a considerable increase of the quantity and the quality of plastics collected.

COTESI is engaged in the permanent implementation of policies and procedures according to the requirements of ISO 14001 – Environmental Management Systems.

Aware of the environmental impact of its industrial activities, COTESI promotes the following principles:

- Minimize the environmental risks and implement greener energy usage in all our sites.
- Create awareness on all employees to their input so that our goals may be achieved
- Only use in our production, materials that are fully recyclable
- To develop new products, lighter but stronger, in order to minimize the volume of plastics in fields and seas of the world.

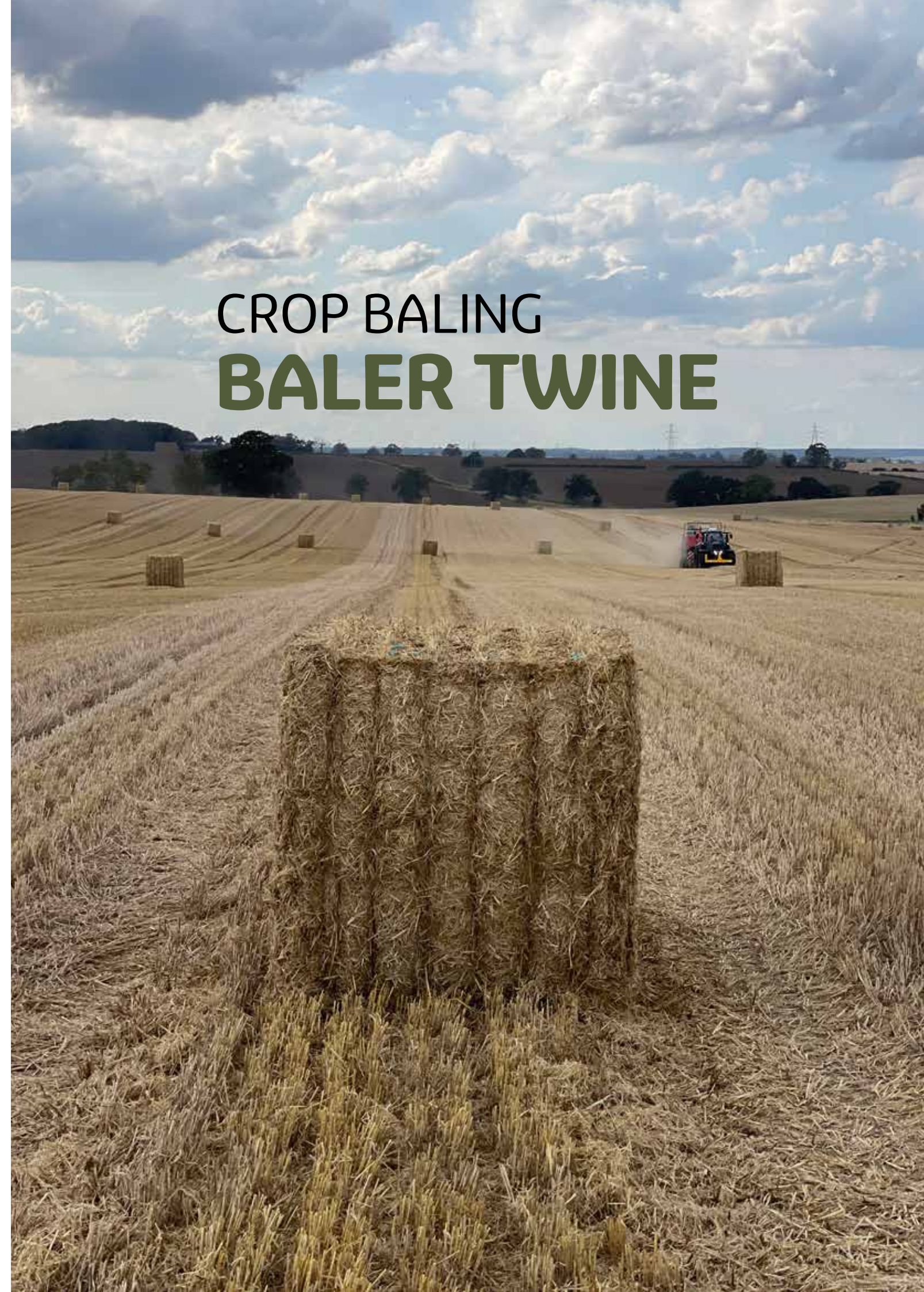
## COTESI UK IS AN ACTIVE MEMBER OF APE UK



APE UK is an industry-led, not for profit body funded by manufacturers and distributors/merchants supplying farmers and growers.

Our collective intent is to ensure the environmentally responsible management of agricultural plastics and to improve the affordable recovery and recycle rates of farm plastics to support sustainable farming initiatives.

Our end goal is to create conditions where sustainable farming thrives with agri-plastics playing a key, equally sustainable role.



## CROP BALING BALER TWINE





# GUIDELINES For choosing the right twine for your needs

The new generation of Square Balers, with speeds and pressures increasing every year, require a completely new range of extra strong baler twines. Please note these guidelines about COTESI Baler Twines.

## ULTRA HIGH PERFORMANCE UNITECH Baler Twine:

- Use it if you have one of the latest models of High Density Balers.
- Use it if you are looking for heavier bales

## HIGH PERFORMANCE Baler Twine:

- Use it if you make small square bales or round bales



## About the UNITECH TECHNOLOGY

COTESI UNITECH is the latest technology in the production of High Density and Ultra High Density Baler Twines.

A whole new extrusion system designed to stretch plastic as never before, while maintaining its molecular integrity during twisting and winding operations.

- **UNI**que for the Extrusion technology using the best grades of Copolymers and Additives. Thermal and UV Protection.
- **UNI**que for the Increased Strength, with the higher Knot Strength experienced in the market.
- **UNI**que for its “Net Construction” providing the best fibrillation and softness, the best grip on knots,



**UNIQUE NET  
CONSTRUCTION  
CREATING A SOFTER,  
LONGER AND  
STRONGER TWINE**



- 20% stronger than any other twine with similar weight per meter
- The Knot that keeps the shape and dimension of the bales



# ULTRA HIGH PERFORMANCE

## Unitech Baler twine



### LOW DENSITY BALES

	SPOOLS PER PACK	FEET PER PACK	KNOT STRENGTH KGF	PACKS PER PALLET
72+	2	7200	230	56
72+ XL	1	5700	230	72



### HIGH DENSITY BALES

	SPOOLS PER PACK	FEET PER PACK	KNOT STRENGTH KGF	PACKS PER PALLET
UNI	2	9700	250	42



### VERY HIGH DENSITY BALES

	SPOOLS PER PACK	FEET PER PACK	KNOT STRENGTH KGF	PACKS PER PALLET
BIG BALE+	2	7200	280	56
BIG BALE + XL	1	4800	280	72
NHD ONE	1	5000	300	72



For the  
Krone 1290 NG  
NH 1290 HD  
Case LB 436 HD

XL Spools: Use them if your baler can fit spools with 295 mm diameter and 370 mm high.

# ABOUT STRENGTH ON

## High Density Baler twine



The 3 pictures show the first day in the life of a bale

But after a whole season stacked, this bale will be handled a few more times before use.

This is why high knot strength and low elongation is important to keep the original shape of the bale. And Anti UV Treatment added, to prevent too much loss of initial strength.

The following table shows our recommendations on what twine to use on different sizes and bale weights of straw (considering a 240 cm long bale):

BALE DIMENSIONS cm			BALE WEIGHT Kg	RECOMMENDED TWINE
W	H	L		
120	70	240	Up to 380	72+ or 72+XL
120	90	240	Up to 430	72+ or 72+XL
120	90	240	430 - 580	UNI
120	90	240	580 plus	Big Bale+ or Big Bale+XL or NHD
120	120	240	Up to 580	UNI
120	120	240	580 plus	Big Bale+ or Big Bale+XL

ESTIMATED No OF PACKS NEEDED FOR 10000 BALES				TWINE REFERENCES					
BALE DIMENSIONS (m)									
WIDTH	HEIGHT	LENGTH	No OF KNOTTERS						
0,8	0,9	2,4	4	126	160	95	114	189	273
1,2	0,7	2,4	6	178	225	133	160	267	
1,2	0,9	2,4	6	189	239	142	171	284	
1,2	1,2	2,4	6	207	261	155	186	310	
1,3	0,9	2,4	8	253	319	189	227	379	

# Recommended Twines

○ Low Density Bales    ✕ High Density Bales    ○ Very High Density Bales

KRONE						LOW		HIGH		VERY HIGH	
MODEL	Bale Dimensions cm		KNOTTERS		No of SPOOLS	72+	72+XL	UNI	BB+	BB+ XL	NHD
	Width	Height	Number	Type							
870	80	70	4	Double	32	○		✕	○		
890	80	90	5	Double	32	○		✕	○		
1270	120	70	6	Double	32	○		✕	○		
1290 HDP XC	120	90	6	Double	32	○		✕	○		
1290 HDP	120	90	6	Double	32	○		✕	○		
1290 HDP NG*	120	90	6	Double	30	○	○	✕	○	○	○
1290 HDP II	120	90	8	Double	54	○		✕	○		
4x4	120	130	6	Double	32	○	○	✕	○	○	

KUHN						LOW		HIGH		VERY HIGH	
MODEL	Bale Dimensions cm		KNOTTERS		No of SPOOLS	72+	72+XL	UNI	BB+	BB+ XL	NHD
	Width	Height	Number	Type							
LSB 870	80	70	4	Single	24	○		✕	○		
LSB 890	80	90	4	Double	32	○		✕	○		
LSB 1270	120	70	6	Double	32	○		✕	○		
LSB 1290	120	90	6	Double	32	○		✕	○		
LSB 1290 ID	120	90	6	Double	32	○	○	✕	○	○	

MASSEY FERGUSON						LOW		HIGH		VERY HIGH	
MODEL	Bale Dimensions cm		KNOTTERS		No of SPOOLS	72+	72+XL	UNI	BB+	BB+ XL	NHD
	Width	Height	Number	Type							
2250	80	90	4	Double	30	○	○	✕	○	○	
2260	120	70	6	Double	30	○	○	✕	○	○	
2290 / 2244	120	120	6	Double	30	○	○	✕	○	○	
2170 / 2270 / 2234	120	90	6	Double	30	○	○	✕	○	○	
2170 XD/2270 XD	120	90	6	Double	30	○	○	✕	○	○	

CASE						LOW		HIGH		VERY HIGH	
MODEL	Bale Dimensions cm		KNOTTERS		No of SPOOLS	72+	72+XL	UNI	BB+	BB+ XL	NHD
	Width	Height	Number	Type							
LB 324	80	70	4	Double	32	○		✕	○		
LB 334	80	90	4	Double	32	○		✕	○		
LB 424 XL	120	70	6	Double	32	○		✕	○		
LB 434 XL	120	90	6	Double	32	○		✕	○		
LB 436 HD*	120	90	6	Double	36	○		✕	○	○	○

NEW HOLLAND						LOW		HIGH		VERY HIGH	
MODEL	Bale Dimensions cm		KNOTTERS		No of SPOOLS	72+	72+XL	UNI	BB+	BB+ XL	NHD
	Width	Height	Number	Type							
870	80	70	4	Double	32	○		✕	○		
890	80	90	4	Double	32	○		✕	○		
1270	120	70	6	Double	32	○		✕	○		
1290	120	90	6	Double	32	○		✕	○		
1290 HD*	120	90	6	Double	36	○	○	✕	○	○	○
9090	120	130	6	Double	30	○	○	✕	○	○	

FENDT						LOW		HIGH		VERY HIGH	
MODEL	Bale Dimensions cm		KNOTTERS		No of SPOOLS	72+	72+XL	UNI	BB+	BB+ XL	NHD
	Width	Height	Number	Type							
990	80	90	4	Double	30	○	○	✕	○	○	
1270	120	70	6	Double	30	○	○	✕	○	○	
1290 / 1290 XD	120	90	6	Double	30	○	○	✕	○	○	
12130	120	130	6	Double	30	○	○	✕	○	○	

CLAAS						LOW		HIGH		VERY HIGH	
MODEL	Bale Dimensions cm		KNOTTERS		No of SPOOLS	72+	72+XL	UNI	BB+	BB+ XL	NHD
	Width	Height	Number	Type							
4000	80	50	4	Single	16	○		✕	○		
4200 / 3200	120	70	6	Single	24	○		✕	○		
5200	120	70	6	Single	24	○	○	✕	○	○	
5300 / 3300	120	90	6	Single	24	○	○	✕	○	○	

JOHN DEERE						LOW		HIGH		VERY HIGH	
MODEL	Bale Dimensions cm		KNOTTERS		No of SPOOLS	72+	72+XL	UNI	BB+	BB+ XL	NHD
	Width	Height	Number	Type							
L 624	120	70	6	Double	30	○		✕	○		
L 633	80	90	4	Double	30	○		✕	○		
L 634	120	90	6	Double	30	○		✕	○		



# BALER TWINE

Round and Small Square Bales



## ROUND BALES

	SPOOLS PER PACK	FEET PER PACK	PACKS PER PALLET
COTESI FINE	2	22300	150



## SMALL SQUARE

	SPOOLS PER PACK	FEET PER PACK	PACKS PER PALLET
COTESI MEDIUM	2	12000	80
COTESI HAY	2	10000	80



## NATURAL SISAL

Biodegradable twines

	SPOOLS PER PACK	FEET PER PACK	PACKS PER PALLET
SISAL BALER	2	8000	60
SISAL BINDER	6	26000	40





# CROP BALING NETWRAP

COTESI started the production of Netwrap 30 years ago. Over the years, new raw materials, additives and machinery were developed to meet the constant challenge of the new balers and customer expectations.

- The **MAXICOVER** brand entered the UK market and is now an established product.
- In 2020, we introduced a new and revolutionary type of net, with an innovative and patented construction. The **CROSS X-PAND** Netwrap.





Netwrap

# CROSS X-PAND

This is the only Cross Thread net construction on the market

Net construction on the market.

With this innovative new design, Cross X-Pand will protect your crop in a much better way. This is why:

An Improved Smooth Surface with twice as many threads in contact with the crop.

If you apply wrap on the bale, plastic will have a better adhesion due to the smoother surface.

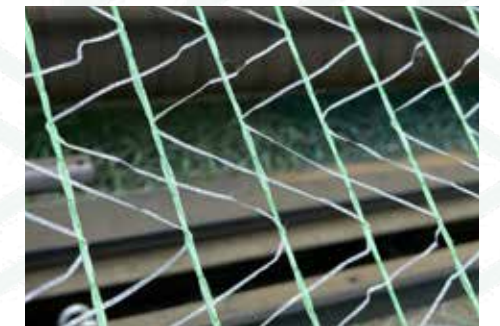
Double threads prevent net openings.

A better crop protection, with a net designed to expand up to 2 inches over the edge of the bale.

Cross X-pand rolls are supplied with two user friendly handles.

The Cross Thread construction with a double density of tapes.

- Better spread of the net on the whole surface of the bale
- The net will not open if tapes are caught on rollers and belts



The crop is covered with twice the amount of tapes

- Extra protection
- Better adhesion of the stretch film



USE IT FOR

HAY  
SILAGE  
STRAW

	METERS PER ROLL	ROLLS PER PALLET
CROSS X-PAND	3600	28



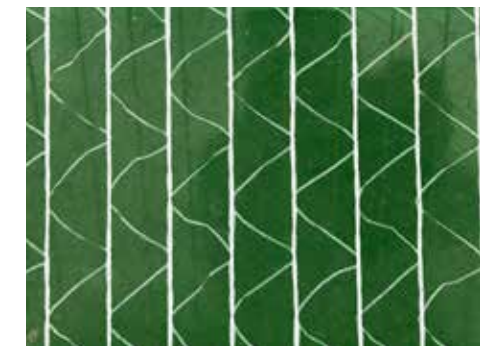
# Netwrap MAXICOVER

A Netwrap with a standard thread construction, well known in the market and performing on every baler and baling condition. The result of 30 years of constant development and accumulated know-how.



## Standard Thread Construction Net

- Produced using a combination of advanced polymers with high tenacity threads
- Maximum performance, designed to spread through the whole surface of the bale, covering up to 2 inches over the edge.



### USE IT FOR

HAY SILAGE STRAW			
		METERS PER ROLL	ROLLS PER PALLET
	MAXICOVER 3000	3000	32
	MAXICOVER 3600	3600	28



# About Netwrap

## Design

Netwrap is produced with a combination of knitted threads in both longitudinal (the warp) and transverse directions (the weft).

The performance of the net is the result of how the threads behave when the bale is made.

Maxicover is a net with a very standard design, where you can see the vertical longitudinal threads and the transverse threads forming triangles covering the crop.

Cross X-pand is a net with a unique patented design, where you can see the same vertical longitudinal threads but the cross transverse threads forming double triangles covering the crop much better.

## Performance

Both Maxicover and Cross X-Pand are designed to spread over the whole surface of the bale, covering up to 2 inches over the edge.

We don't want the net to spread too much and make opening of the bale difficult if the net is caught under it especially in colder environments.

Both types of net perform in every baler. But Cross X-Pand has an unique feature, that makes it different from any other net. With Cross X-pand, even if the net is caught by rollers or belts, the cross thread construction prevents the netwrap from opening.

This may happen with Maxicover or any other net produced with the same design.



CROSS X-PAND



MAXICOVER



CROSS X-PAND



NETWRAP WITH  
STANDARD DESIGNS

## Bale Coverage

All COTESI Netwraps are designed to cover up to 2 inches over the edge of the bale.

## Strength

Strength of the Netwrap is given by the joint combination of the longitudinal (warp) and transverse (weft) threads. Only if both set of threads are strong enough, the net performs as expected. If any threads were to fail fail, the performance of the net will be affected, leading to untidy bales and possible crop losses.

Warp threads are responsible for holding the net when handling with forks or piled in the stacks. Weft threads are responsible for ensuring the spread of the net when the bale is formed, holding its shape when it is handled with grabs and on the stacks when stored.



Performance of the net is linked to the type of crop, diameter of the bale and baling conditions. Please note our recommendationsPlease note our recommendations

	Silage	Hay	Straw
Number of Wraps	2 – 2.5	3 – 3.5	4 – 5
Estimated Number of Bales per roll of Netwrap			
Bale Diameter 120 cm			
3000 m	400-320	270-230	200-160
3600 m	480-380	320-270	240-190
Bale Diameter 130 cm			
3000 m	370-300	250-210	190-150
3600 m	440-350	300-250	220-170



# About Netwrap Features



## Quality Number

All COTESI products carry an individual Quality Control Number, ensuring full traceability. Please refer to this number on the labels inside the core if needed.



## Edge Markers

Our netwrap is produced with unique and distinctive roll identification, for easier loading on the baler and lifetime control in the field.



## Extra Strength

All our Netwraps provide the highest resistance and tenacity, adapted to every baling conditions.



## UV Protection

All products manufactured have UV and Thermal Additives for full protection during their expected lifetime.



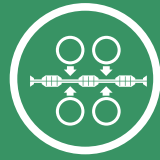
## Waterproof Cardboard Centres

All cores used on our netwrap rolls are produced from solid paper, fully waterproof for guaranteed performance.



## Guaranteed Length

All netwraps are manufactured with full control of the length stated on the wrapper.



## Plastic Spacers

Spacers on the pallet guarantee the pallet stability during storage and transport.



## Storage

Whenever possible keep our products dry and protected from the sun, store undercover.



## Roll End Warning Stripe

The red warning marker on the last 50 meters prevent running out of net.



## Carry Handles

Carry Handles on Cross X Pand Netwrap allow an easier handing of the net.

# CROP BALING STRETCH FILM





# BALPAQ

Stretch Film is a 7 Layers Blown Film, designed for High Speed Wrappers.

- The Blown Film technology allows a much better performance in both longitudinal and transverse direction, very important when wrapping square bales where corners are very aggressive.
- The 7 layers provide an extra protection and an improved puncture resistance, higher than on 5 or 3 layers.
- High Stretch capability.
- Minimum losses of Carbon Dioxide (CO2) and Oxygen penetration.
- UV Stabilized for 1 year.
- Maximum Adhesive Additives to guarantee air and water resistance between layers, so that silage fermentation can be excellent.
- High Impact Resistance Cardboard and Plastic cores, fully recyclable.



FOR HIGH SPEED WRAPPERS	BALPAQ SUPER
12 MONTHS UV PROTECTION	750mm
BLACK GREEN AND WHITE	1500m
PLASTIC OR CARDBOARD CORE	25 microns
	40 ROLLS PER PALLET IN BOXES

## Guidelines

Please take note of these recommendations when using Balpaq Stretch Film.  
Handle the rolls with care.

### 1. Film snapping on Wrapper

- Look for any damage on the surface or sides of roll
- Check pre-stretch system
- Film caught on rollers

### 2. Film not adhering on the Bale

- Allow rolls to be in warmer conditions prior usage
- To avoid tails, make sure that dust does not adhere to the film, especially if you are using a baler/wrapper unit

### 3. Number of layers

A minimum of 6 layers should be applied

### 4. Stacking of round bales

Whenever possible round bales should be stacked on their ends, where more layers of plastic provide better protection

### 5. Bird damage

Birds and other animals may cause severe damage. Use nets or any other system to protect your bales. Any hole must be immediately patched with adhesive tape.

### 6. Balpaq Stretch Film has 7 layers,

Providing maximum oxygen barrier, if all these precautions are followed.  
Any air penetration may cause problems to the crop, with mould and spoilage.  
In specific crops, some of the spores can develop and grow through the hole.



# Silonet and Silobags

For a Better Silage Protection on Bunker Silos



## SILONET

Is a fabric produced from highly resistant polyethylene (HDPE), designed to secure the whole surface of your silo against external attacks of all kind. A 7 Year UV Guarantee, eliminates the use of tyres and physical contamination on the silage. Very resistant to abrasion and tearing.

### Product Description:

**Weight/m2:** 220 gr  
**Composition:** High Density Polyethylene Monofilament  
**Colours:** Dark Green  
**Weave:** Special loops to pass ropes through for improved security  
**Strength:** 4.2 Ton/m2  
**Sizes:** 10 x 12 m      14 x 16 m  
          10 x 25 m      15 x 18 m  
          12 x 15 m      18 x 20 m

## SILOBAGS

Are produced with highly resistant polyethylene monofilaments, intended to be filled with gravel and eliminating the use of tyres. A good hold of the silage sheet and net over the silo, keeping the air tightness.

### Advantages and Tips:

- Water drains away, it does not freeze on spot.
  - 7 years UV Guarantee
  - Handles for an easy handling
  - Store under cover, on a pallet when not in use, away from rodents.
- Sizes: 27 x 120 cm (designed to be filled up to two thirds of its capacity with approximately 16 kg of non-sharp gravel)





Our partner near you

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