

TamaWrap™

.....

WE'VE GOT YOU COVERED

2023



Contents

- 3 Clean Cotton
- 4 Round Module Wrap Standard
- 5 TamaWrap+™ Yellow Premium
- 6 The Premium wrap for premium harvesters
- 7 TamaWrap+™ Pink Premium
- 9 TamaWrap+™ Premium specifications
- 13 TamaWrap™ Blue Value
- 14 Traceability
- 15 Storage & Handling
- 16 TamaWrap™ recycling documents
- 17 Tama limited warranty

Clean cotton

Committed to minimize cotton contamination



Collaboration



Innovation



Training

Collaboration with John Deere & the National Cotton Council of America, Cotton Inc. and USDA to minimize cotton contamination:

- Raising awareness.
- Training & professional information.
- Research & development.

Training provided through the entire cotton operations industry:

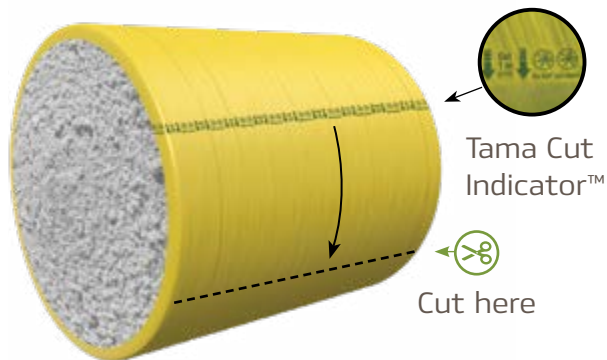
- Gins
- Producers and Custom Harvesters
- Dealers

Innovation of new technological solutions:

Tama Cut Indicator™ minimizes the risk of cotton contamination.

Investing vast resources in new technologies to **minimize contamination**.

Our **formulation of tail adhesive** for wrapped modules has proven itself in all weather conditions, to ensure **minimum risk of cotton contamination**.



Round Module Wrap Standard

Research has proven that if round modules are delivered to cotton gins in good condition - meaning no tears, punctures, loose material, or adhesive failures - then the likelihood of plastic entering the gin and ultimately the ginned bale is greatly reduced.

To ensure that plastic wrap material meets a minimum acceptable standard, the US cotton industry and USDA-ARS scientists worked with the American Society of Agricultural and Biological Engineers (ASABE) to develop a standard for round module wrap: "Cotton Module Cover Material Performance".

TamaWrap+™ Premium Yellow and/or Pink is

Approved Round Module Wrap Product

Meets ASABE S615.2 Feb 2022 Cotton Module Cover Material Performance

Approved List Maintained by the National Cotton Council



TamaWrap ™ Yellow Premium

- The ORIGINAL cotton wrap
- Trouble free harvesting
- 14 years of proven success
- The recommended wrap for John Deere CP/CS770, CP/CS690, 7760
- Approved Round Module Wrap Product (ASABE S615.2)
- Available in Arctic Formulation
- Tens of millions of portions sold around the world



The Premium wrap for premium CP/CS 770 Harvesters



**Tama Wrap Yellow & Pink premium
are the recommended wrap for the
new CP/CS770 harvesters**

- 8% savings in wrap and hauling costs
for Picker customers
- 12% savings in wrap and hauling costs
for Stripper customers
- Less plastic (PE) per pound of cotton

**THE ONLY WRAP
RECOMMENDED BY
JOHN DEERE**

TamaWrap+™ Pink Premium

It began with a unique request from a cotton producer from Missouri USA who lost his beloved sister to breast cancer and had been thinking of ways to honor her memory and raise awareness about early detection.

The producer came up with the idea to cover a round cotton module with a pink wrap and we were fully behind the idea! Our crop baling specialists provided him, for the first time ever, with the pink cotton wrap, just in time for the harvest season.

Today, TamaWrap+™ Pink Premium is among our best-selling wrap, providing dealers, producers and custom harvesters with the opportunity to support and contribute to the community and **raise breast cancer awareness.**



THE ONLY WRAP
RECOMMENDED BY
JOHN DEERE

TamaWrap+™ Premium specifications

WRAP

Radio Frequency IDentification (RFID):

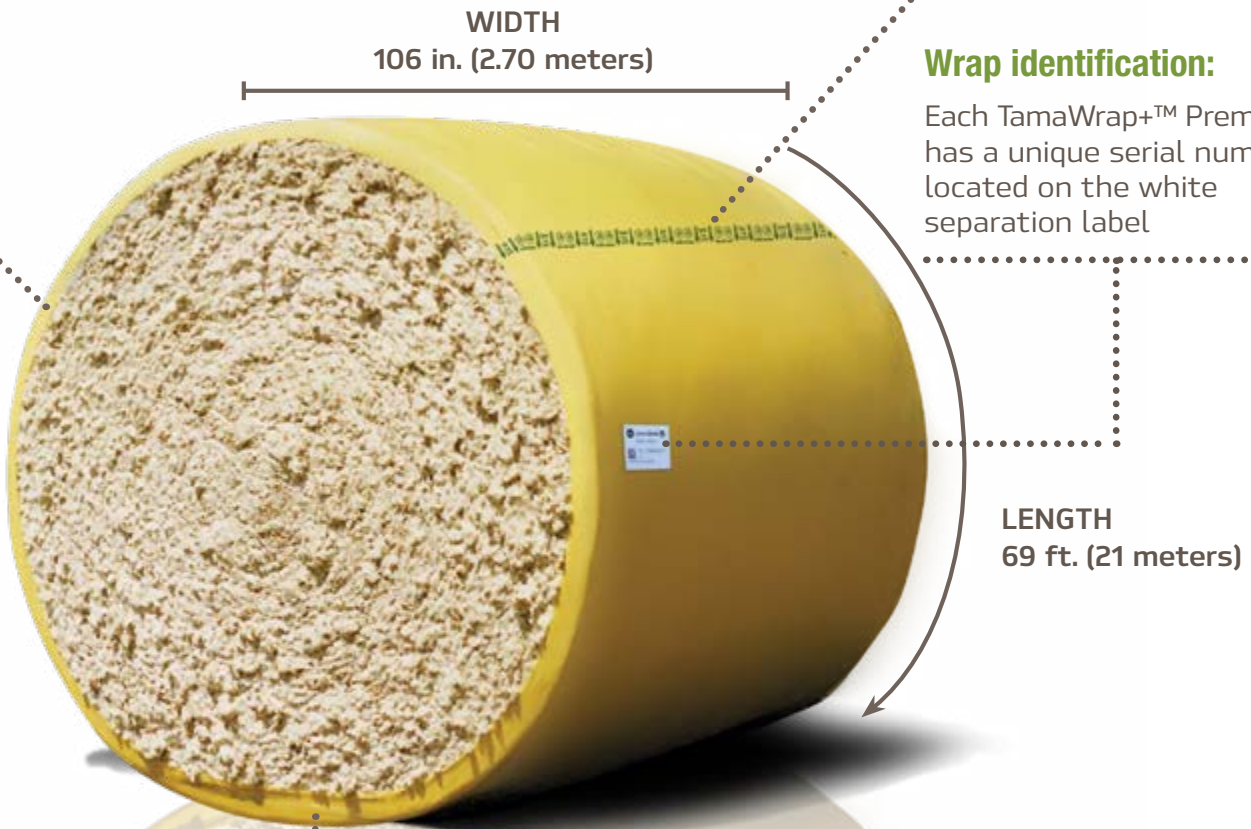
every TamaWrap includes 4 RFID tags

Tama Cut Indicator™:

Helps in locating the recommended cutting zone in order to minimize the risk of cotton contamination.

Wrap identification:

Each TamaWrap+™ Premium has a unique serial number, located on the white separation label



The TamaWrap+™ Premium Z-LOCK® wrap portion concept:

TamaWrap+™ Premium is made of pre-cut wrap portions in order to eliminate the potential of plastic fragments.

The Z-lock® system connects and separates each individual portion on a roll, so the roll is made from 24 "ready to use" portions.

The Z-lock® system assures the next portion is ready to feed correctly.

ROLL

24 Portions of Wrap per roll

Plastic core:

Every core is marked on its left hand side, to assist correct installation:

- Black dots or blue stripe on the core.
- A label inside the core.

Identification:

Each roll has its own ID number located inside the core, and on the leading edge of the 1st TamaWrap+™ Premium.

Roll Weight:

Approx. 220 lbs (100 kg)

Roll Width:

9 ft. 2 in. (2.8 meters)

Roll Diameter:

10 in. (25 cm)



PALLET

9 rolls per pallet

216 Portions of Wrap per pallet

Weight
2095 lbs (950 kg)



TamaWrap™ Blue Value

We listened to your requests and now offer TamaWrap™ Blue Value - our cost effective wrap solution.

TamaWrap™ Blue Value offers a significant cost reduction

Best suited where:

- Using John Deere 7760, CP690, & CS690 Round Module Harvesters
- Reliability of TamaWrap+™ Premium is less essential
- Transporting with flatbed trucks

Running TamaWrap Blue Value on CP/CS 770 harvesters requires a minor machine adjustment. Please contact your John Deere Dealer for instructions and information.

Identical characteristics to TamaWrap+™ premium:

- Wrap length, width and thickness
- RFID tags per wrap
- Tama Cut Indicator™
- Wrap portions per roll
- Rolls per pallet
- Developed, produced & fully supported by Tama

TamaWrap™ Blue Value can be more susceptible to damage due to less robust construction than TamaWrap+™ Premium. Please review product recommendations, (pages 16-17) to minimize the risk of cotton contamination.

TamaWrap™ Blue Value

Handling recommendations

- **General recommendation:** Handle with care and do not allow the module to drag on the ground or on stalks during staging.
- **Spear loaders:** Do not allow module to drag on the ground when inserting or withdrawing spears.
- **Rear and front loaders:** Make sure arms are completely on the ground before opening and closing to avoid "over squeezing".



Spear Loader



Rear and Front Loaders

Transportation recommendations

As modules wrapped with TamaWrap™ Blue Value wrap may squat more, please adhere to the following recommendations :

- **Module trucks:**
 - When using module trucks, module diameter should not exceed 100 inches (254 CM). Thus, maximum recommended harvester monitor set size is 92", since TamaWrap™ Blue Value may squat more than TamaWrap+™ Premium. If larger than 100", further reduce the set size.
 - Insure that recommended chains are used on module trucks.
- **Other trucks:**

make sure there are no sharp edges or other sharp objects which may cause tears in modules.



Module Truck



Flatbed Truck

Product Recommendations

APPROVED BY
JOHN DEERE

As with TamaWrap+™ Premium, it is **HIGHLY** recommended to use appropriate chains while using module trucks, in order to minimize the risk of damaged modules and decrease the risk of contamination.



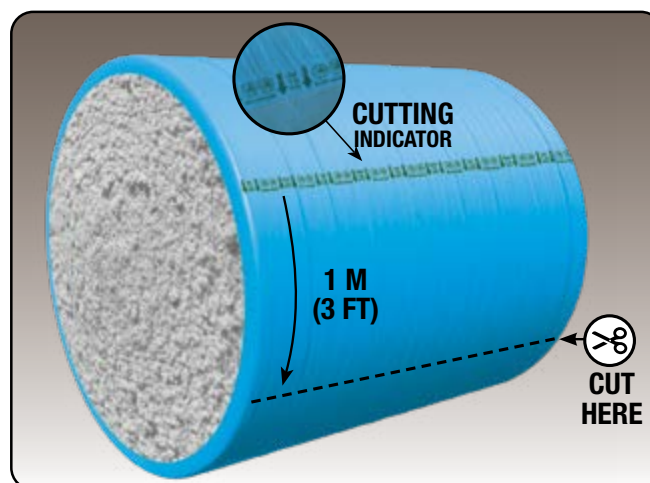
High potential to damage wrap



Typical recommended chain

Unwrapping recommendations

- Extra care while unwrapping modules at the Gin is required!
- Examine module carefully PRIOR to unwrapping / cutting, and remove any and ALL loose pieces of plastic and other potential contaminants.
- Gins that cut wrap:
 - Use the Tama Cut Indicator™ to locate the recommended cutting zone (3 feet / 1 meter) from the Tama Cut Indicator™, with the direction of the arrows.
 - Make ONE clean cut across the module, rather than several short cuts.
- Make certain ALL pieces of wrap are removed after unwrapping/cutting.



Tama Cut Indicator™ on Value wrap

Traceability

Every TamaWrap+™ can include 4 RFID tags to provide unique identification to each module

This unique identification enables full traceability of individual modules through harvesting and processing:

- From the field, through the gin's gateway, scale and yard- to the feeder floor
- Allows association of the ginned bale related data - back to the seed cotton module and back to the field
- Integrated with John Deere Harvest ID, Cotton Pro and the John Deere Operations Center



Storage and handling

TamaWrap Storage Requirements:

- Store under roof in an enclosed structure and avoid exposure to sunlight and moisture while stored
- Double stacking of pallets is permissible with proper handling equipment
- To be used within two seasons

Handling Recommendations:

- HANDLE ONE PALLET AT A TIME
- Recommended lift capacity: 4,400 lbs (2 tons) forklift
- USE LONG FORKS when handling pallets from its narrow end to minimize damage
- Long Forks length: 6 ft. 6 in. (2m)
- USE PALLET PULLER when unloading from truck
- Pallet pullers available from material handling supply houses

For roll handling equipment contact: www.stellarindustries.com

- **Wrap can be punctured or torn by improper handling or loading/unloading procedures**
- **Wrap can be damaged by careless handling**
- **Make sure that all sharp edges and protrusions on hauling equipment are eliminated**

Recycling document

General material description for recyclers



TamaWrap+™ Yellow / Pink Premium

TamaWrap+™ consists predominantly LLDPE with the following unique aspects on each wrap that may impact the recycling process:

- Approximately ½ of the surface is coated with an adhesive type material (amount of adhesive type material is less than 3.5% of the film).
- Approximately 8' x 4" of polypropylene tape adhered to the middle of the wrap (approximately 33 feet from each end of the wrap).
- 5 Identification labels, 4 of which have RFID tags embedded in them.
- Approximately 8' x 7.7" of polyester material adhered to the leading edge of the wrap.
- Approximately 8' x 7.7" of adhesive material that secures the tail.
- Each wrap portion weighs approximately 10 lbs (4.3 Kg).

More detailed descriptions of the materials will require confidentiality agreements with the wrap producer.

TamaWrap™ Blue Value

TamaWrap™ consists predominantly LLDPE with the following unique aspects on each wrap that may impact the recycling process:

- Approximately 8' x 4" of polypropylene tape adhered to the middle of the wrap (approximately 33 feet from each end of the wrap).
- 5 Identification labels, 4 of which have RFID tags embedded in them.
- Approximately 8' x 7.7" of polyester material adhered to the leading edge of the wrap.
- Approximately 8' x 7.7" of adhesive material that secures the tail.
- Each wrap portion weighs approximately 10 lbs (4.3 Kg).

More detailed descriptions of the materials will require confidentiality agreements with the wrap producer.

Tama limited warranty

for TamaWrap™ products



Tama warrants and agrees that the individual wrap portion by individual serial number used in John Deere Round Module Cotton Harvesters sold hereunder shall be free of defect, in workmanship and/or materials, for a period of 24 months following the first delivery of TamaWrap™ to the Buyer provided that:

The TamaWrap™ is kept in its original packaging.

The TamaWrap™ is stored under cover and is not exposed to extreme heat, direct sunlight or moisture during storage. Double stacking of pallets is permissible with proper handling equipment.

The TamaWrap™ is used in accordance with user manuals or other instructions furnished by Tama.

Request for warranty by individual serial number must be requested in the use season as the incident occurs.

Tama's responsibility under this Warranty regarding TamaWrap™ found to be defective will be to replace the defective TamaWrap™ with appropriate substitute TamaWrap™ free of charge or to refund to dealer the price paid for such TamaWrap™.

Tama will not be responsible for and will have no obligation to make repairs or replacements required, in whole or in part, in case the conditions above were not fulfilled.

Round modules wrapped with TamaWrap™ can be staged outside for a period of up to 6 months.

REPAIR, REPLACEMENT OR REFUND IN THE MANNER PROVIDED ABOVE WILL CONSTITUTE FULFILLMENT OF ALL OF TAMA'S OBLIGATIONS WITH RESPECT TO THE QUALITY AND PERFORMANCE OF THE PRODUCTS. TAMA HAS MADE AND MAKES NO OTHER WARRANTIES WHATSOEVER WITH RESPECT TO THE PRODUCTS, EXPRESSED OR IMPLIED.

The TamaWrap™ with Z-LOCK® wrap portion is a Tama patented product: Australia Patent No. 2005300259; Australia Patent No. 2003292463; China Patent No. 200380100224; China Patent No. 00580020614; Turkey Patent No. 200607638; Israel Patent No. 180527; Israel Patent No. 163215; Brazil Patent No. 0307327; India Patent no. 254696; South Africa Patent No. 2006/09928; South Africa Patent No. 2004/5937.

The names RMW, Z-LOCK, Cut Indicator, TamaWrap, Tama Plus Logo, Tama Logo and the color Yellow are trademarks of Tama Group.



Tama Group

Kibbutz Mishmar HaEmek, 1923600 Israel

Tel: +972 4 989 9600 Fax: +972 4 989 9696 www.tama.co.il

Dealer:

