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**WORKABILITY**  
\_\_\_\_\_ TO THE MAX

**bridon**  
**USA**  
BETTER BALING. BETTER BALES.

**IMPAX**<sup>®</sup>  
TECHNOLOGY INSIDE

BRIDON'S  
BETTER BALING  
TWINE SELECTION  
**GUIDE**

# 7 QUESTIONS TO ASK THE END-USER

## TOP 3 QUESTIONS TO ASK

| Question  | Possible Answers                           | Please note   |
|---|--|---|
| <b>1</b><br>Which baler(s) brand and model number do you use? | Standard density balers                    | Require a lower strength twine.   |
|   | High density balers                        | Require a higher strength twine.  |
|   | Single knotter balers                      | Typically require a higher strength twine, due to friction.   |
|   | Ultra-High density balers                  | Require the highest strength twine on the market in most conditions.  |
| <b>2</b><br>What type of crops do you primarily bale?         | Alfalfa, silage and some grass hay's       | Typically do not require the strongest twine for each baler model.  |
|   | Timothy, Sudan, Rye and Teff grass hay's   | Require a bit more twine strength due to their moderately springy nature.   |
|   | Grain hay – Barley, Oats, Wheat, Triticale | React very similar in the baler compared to straw. In these crops, we would recommend being on the higher end of the twine recommendations per model.             |
| <b>3</b><br>What are your typical baling conditions?          | Straw and Cornstalks                       | Most all types of straw typically require the strongest twine per baler model, but it also depends on the end-user's operating preference and target bale weight. |
|   | Moderate conditions                        | May only require the lower to medium range of twine for their baling needs depending on the crop being baled.   |
|   | Hot, dry and extreme conditions            | Often require the strongest twine per application and baler model.  |

## ALSO GOOD TO KNOW....

| Question  | Possible Answers  | Please note   |
|---|---|---|
| <b>4</b><br>What's your preferred driving speed while baling? | Lower driving speeds (2 – 6mph)   | Offer more suitable conditions for the lower strength twines per model.   |
|   | High driving speeds (6 – 12mph+)  | Require higher strength twines. Depending on the type and volume of crop being baled.   |
| <b>5</b><br>How many flakes per bale do you prefer?           | Higher number of flake counts (38 – 45 flakes per bale)   | Help to better compress the bale in the chamber and does not place as much stress on the twine.   |
|   | Lower flake counts per bale (35 flakes per bale or less)  | Puts a greater stress on the twine leading to a faster rate of expansion of the bale, when leaving the chamber, therefore requiring a higher strength twine per baler model.                              |
| <b>6</b><br>What's your ideal bale weight?                    | This is especially important information to know for the end-users who are baling grass crops and straw. The higher the bale weight per model that they are targeting, the higher the strength of twine is needed to maintain the bale integrity. |   |
| <b>7</b><br>Which do you prefer?                              | Highest efficiency  | A bit smaller twine diameter will perform better in the knotters, with less misties and fewer adjustments/maintenance.  |
|   | Highest strength & heaviest bales   | The absolutely highest demanding operators would prefer the heaviest bales and highest strength twine needed to make them, but may require more knotter maintenance and adjustment throughout the season. |

# IMPAX® Twine Technology



Bridon USA is proud to introduce Impax: a new patented baler twine technology which provides a new baling experience.

Baler twine with Impax technology tackles all of the end-user's pain points and guarantees peace of mind.

## Main Benefits:

|                        |                                      |                               |                                     |                             |
|------------------------|--------------------------------------|-------------------------------|-------------------------------------|-----------------------------|
|                        |                                      |                               |                                     |                             |
| <b>Knot protection</b> | <b>Superior knotting performance</b> | <b>Unmatched baler output</b> | <b>Recyclable &amp; sustainable</b> | <b>Less wear &amp; tear</b> |
| Peace of mind          | Less downtime                        | More bales per hour           | Reduced carbon footprint            | Major savings               |

## Product range

|                     | Length |
|---------------------|--------|
| Impax 800           | 3,700  |
| Impax 700           | 4,160  |
| Impax 700 Endurance | 4,650  |
| Impax 600           | 4,700  |
| Impax 600 Endurance | 5,140  |
| Impax 440           | 4,450  |
| Impax 440 ENDURANCE | 5,700  |
| Impax 400           | 4,870  |
| Impax 400 ENDURANCE | 6,200  |

## Recommended Impax twine to baler model

| BRAND                                       | BALER TYPE                                  | FORAGE         |                | STRAW          |                |  |
|---|---|----------------|----------------|----------------|----------------|--|
|   |   | Standard       | Extreme        | Standard       | Extreme        |  |
| CASE IH                                     | 8575  | Impax 4870-400 |                | Impax 4870-400 |                |  |
|   | 8585  | Impax 4870-400 |                | Impax 4870-400 |                |  |
|   | 8580  | Impax 4870-400 |                | Impax 4870-400 |                |  |
|   | LB 332                                      | Impax 4870-400 |                | Impax 4870-400 |                |  |
|   | LB 333                                      | Impax 4870-400 |                | Impax 4870-400 |                |  |
|   | LB 431                                      | Impax 4450-440 |                | Impax 4450-440 |                |  |
|   | LB 432                                      | Impax 4450-440 |                | Impax 4450-440 |                |  |
|   | LB 334 XL                                   | Impax 4870-400 | Impax 4450-440 | Impax 4450-440 | Impax 4700-600 |  |
|   | LB 434 XL*                                  | Impax 6200-400 | Impax 5700-440 | Impax 5700-440 | Impax 5140-600 |  |
|   | LB 436 HD*                                  | Impax 5700-440 | Impax 5140-600 | Impax 5140-600 | Impax 4650-700 |  |
| *Can fit XL spools (14" - Endurance series) |   |                |                |                |                |  |
| NH  | 590   | Impax 4870-400 |                | Impax 4870-400 | Impax 4450-440 |  |
|   | BB 230                                      | Impax 4870-400 |                | Impax 4870-400 | Impax 4450-440 |  |
|   | BB 940                                      | Impax 4870-400 |                | Impax 4870-400 | Impax 4450-440 |  |
|   | BB 960                                      | Impax 4870-400 |                | Impax 4870-400 | Impax 4450-440 |  |
|   | BB 980                                      | Impax 4870-400 |                | Impax 4870-400 | Impax 4450-440 |  |
|   | BB 9060                                     | Impax 4870-400 |                | Impax 4870-400 | Impax 4450-440 |  |
|   | BB 9080                                     | Impax 4870-400 | Impax 4450-440 | Impax 4450-440 |                |  |
|   | BB 330                                      | Impax 4450-440 |                | Impax 4450-440 | Impax 4450-440 |  |
|   | 330 PLUS                                    | Impax 4450-440 |                | Impax 4450-440 | Impax 4700-600 |  |
|   | 340   | Impax 4450-440 | Impax 4450-440 | Impax 4450-440 |                |  |
|   | 340 PLUS                                    | Impax 4450-440 | Impax 4450-440 | Impax 4450-440 | Impax 4700-600 |  |
|   | 340HD*                                      | Impax 5700-440 | Impax 5140-600 | Impax 5140-600 | Impax 4650-700 |  |
|   | *Can fit XL spools (14" - Endurance series) |                |                |                |                |  |



| BRAND | BALER TYPE          | FORAGE         |                     | STRAW          |                |
|-------|---------------------|----------------|---------------------|----------------|----------------|
|       |                     | Standard       | Extreme             | Standard       | Extreme        |
| MF    | 4755                | Impax 4870-400 |                     | Impax 4450-440 |                |
|       | 4760                | Impax 4870-400 |                     | Impax 4450-440 |                |
|       | 4790                | Impax 4870-400 |                     | Impax 4450-440 |                |
|       | 4900                | Impax 4870-400 |                     | Impax 4450-440 |                |
|       | 4910                | Impax 4870-400 |                     | Impax 4450-440 |                |
|       | 7433*               | Impax 6200-400 |                     | Impax 5700-440 |                |
|       | 7434*               | Impax 6200-400 | Impax 5700-440      | Impax 5700-440 |                |
|       | 7444*               | Impax 6200-400 | Impax 5700-440      | Impax 5700-440 |                |
|       | 2150*               | Impax 6200-400 | Impax 5700-440      | Impax 5700-440 | Impax 5140-600 |
|       | 2170*               | Impax 6200-400 | Impax 5700-440      | Impax 5700-440 | Impax 5140-600 |
|       | 2170 XD*            | Impax 5700-440 | Impax 5140-600      | Impax 5140-600 | Impax 4650-700 |
|       | 2190*               | Impax 6200-400 | Impax 5700-440      | Impax 5700-440 | Impax 5140-600 |
|       | 2250*               | Impax 6200-400 | Impax 5700-440      | Impax 5700-440 | Impax 5140-600 |
|       | 2270*               | Impax 6200-400 | Impax 5700-440      | Impax 5700-440 | Impax 5140-600 |
|       | 2270 XD*            | Impax 5700-440 | Impax 5140-600      | Impax 5140-600 | Impax 4650-700 |
|       | 2290*               | Impax 6200-400 | Impax 5700-440      | Impax 5700-440 | Impax 5140-600 |
|       | 2233*               | Impax 6200-400 | Impax 5700-440      | Impax 5700-440 | Impax 5140-600 |
|       | 2234*               | Impax 6200-400 | Impax 5700-440      | Impax 5700-440 | Impax 5140-600 |
|       | 2234 XD*            | Impax 5700-440 | Impax 5140-600      | Impax 5140-600 | Impax 4650-700 |
|       | 2244*               | Impax 6200-400 | Impax 5700-440      | Impax 5700-440 | Impax 5140-600 |
| 2370  | Impax 3,700-800 UHD |                | Impax 3,700-800 UHD |                |                |

\*Can fit XL spools (14" - Endurance series)

| BRAND | BALER TYPE         | FORAGE         |                | STRAW          |                |
|-------|--------------------|----------------|----------------|----------------|----------------|
|       |                    | Standard       | Extreme        | Standard       | Extreme        |
| KRONE | 870 HDP MULTIBALE  | Impax 4450-440 |                | Impax 4450-440 | Impax 4700-600 |
|       | 890                | Impax 4870-400 |                | Impax 4450-440 | Impax 4700-600 |
|       | 1270               | Impax 4870-400 |                | Impax 4450-440 | Impax 4700-600 |
|       | 1290               | Impax 4870-400 |                | Impax 4450-440 | Impax 4700-600 |
|       | 4X4 BIG PACK       | Impax 4870-400 | Impax 4450-440 | Impax 4450-440 | Impax 4700-600 |
|       | 1290 HDP           | Impax 4870-400 | Impax 4450-440 | Impax 4450-440 | Impax 4700-600 |
|       | 1290 HDP GEN 5*    | Impax 5700-440 | Impax 5140-600 | Impax 5140-600 | Impax 4650-700 |
|       | 1290 HDP II        | Impax 4870-400 | Impax 4450-440 | Impax 4450-440 | Impax 4700-600 |
|       | 1290 HDP II GEN 5* | Impax 5700-440 | Impax 5140-600 | Impax 5140-600 | Impax 4650-700 |

\*Can fit XL spools (14" - Endurance series)

| BRAND | BALER TYPE | FORAGE         |                | STRAW          |                |
|-------|------------|----------------|----------------|----------------|----------------|
|       |            | Standard       | Extreme        | Standard       | Extreme        |
| JD    | 100        | Impax 4870-400 |                | Impax 4450-440 |                |
|       | L330       | Impax 4870-400 |                | Impax 4450-440 |                |
|       | L340       | Impax 4870-400 |                | Impax 4450-440 |                |
|       | L331*      | Impax 6200-400 | Impax 5700-440 | Impax 5700-440 | Impax 5140-600 |
|       | L341*      | Impax 6200-400 | Impax 5700-440 | Impax 5140-600 |                |
|       | L331R*     | Impax 6200-400 | Impax 5700-440 | Impax 5140-600 |                |
|       | L341R*     | Impax 6200-400 | Impax 5700-440 | Impax 5140-600 |                |
|       | L341R HD*  | Impax 5700-440 | Impax 5140-600 | Impax 4650-700 |                |

\*Can fit XL spools (14" - Endurance series)

| BRAND | BALER TYPE   | FORAGE         |                | STRAW          |                |
|-------|--------------|----------------|----------------|----------------|----------------|
|       |              | Standard       | Extreme        | Standard       | Extreme        |
| KUHN  | LSB 870      | Impax 4450-440 |                | Impax 4450-440 |                |
|       | LSB 890      | Impax 4450-440 |                | Impax 4450-440 |                |
|       | LSB 1270     | Impax 4450-440 |                | Impax 4450-440 |                |
|       | LSB 1290 DX* | Impax 5700-440 | Impax 5140-600 | Impax 4650-700 |                |
|       | SB 870       | Impax 4870-400 |                | Impax 4450-440 |                |
|       | SB 890       | Impax 4870-400 |                | Impax 4450-440 |                |
|       | SB 1270      | Impax 4870-400 |                | Impax 4450-440 |                |
|       | SB 1270X     | Impax 4450-440 |                | Impax 4450-440 | Impax 4700-600 |
|       | SB 1290*     | Impax 5700-440 |                | Impax 5700-440 | Impax 5140-600 |
|       | SB 1290 iD*  | Impax 5700-440 | Impax 5140-600 | Impax 4650-700 |                |

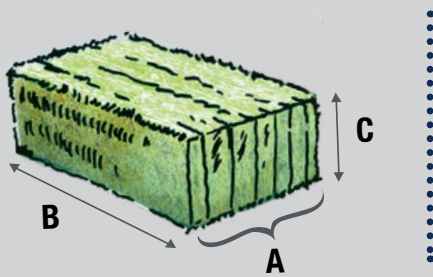
\*Can fit XL spools (14" - Endurance series)

| BRAND | BALER TYPE | FORAGE             |         | STRAW              |         |
|-------|------------|--------------------|---------|--------------------|---------|
|       |            | Standard           | Extreme | Standard           | Extreme |
| CLAAS | 2100       | Impax 4450-440     |         | Impax 4450-440     |         |
|       | 2200       | Impax 4450-440     |         | Impax 4450-440     |         |
|       | 3400       | Impax 4450-440     |         | Impax 4700-600     |         |
|       | 3300       | Impax 4,700-600 HD |         | Impax 4,160-700 HD |         |
|       | 4200       | Impax 4,700-600 HD |         | Impax 4,160-700 HD |         |
|       | 5200       | Impax 4,700-600 HD |         | Impax 4,160-700 HD |         |
|       | 5300*      | Impax 5,140-600 HD |         | Impax 4,650-700 HD |         |

\*Can fit XL spools (14" - Endurance series)



# How many bales can be produced from one spool of twine?



**A** = Number of Knotters (4/6/8)

**B** = Bale length (Example: 8ft)

**C** = Bale height (Example: 3ft)



## 1. Calculate how much twine is needed to produce one bale:

- Determine the size of the bale  
(in the example the bale is 3 X 4 X 8 OR 3 ft high by 4 ft wide by 8 ft long)
- Determine the number of knotters (in the example there are 6)

|        |   |        |   |   |   |                    |   |                        |
|--------|---|--------|---|---|---|--------------------|---|------------------------|
| Length | + | Height | x | 2 | x | Number of knotters | = | Feet of Twine/ Bale    |
| 8      | + | 3      | x | 2 | x | 6                  | = | 132 Feet of Twine/Bale |

## 2. Calculate how many bales you can make from 1 spool:

- Divide the length of the spool by how much twine you need to produce 1 bale.

| Length of Spool | ÷ | Twine to make 1 Bale | = | # of Bales per Spool |
|-----------------|---|----------------------|---|----------------------|
| 4,000           | ÷ | 132 ft               | = | 30 bales             |
| 4,700           | ÷ | 132 ft               | = | 36 bales             |

## 3. Calculate how many spools of twine are needed for the season:

- Divide the approximate number of bales per year by the number of bales that can be made from 1 spool
- In this example an operator makes 6,000 bales per year and is currently using 4,700' / 600 twine

| # of Bales per Season | ÷ | # of Bales per Spool | = | spools needed for the season |
|-----------------------|---|----------------------|---|------------------------------|
| 6,000                 | ÷ | 36                   | = | 166                          |



Major saving with XtraTwine Impax technology twines!

\* Round the number to the nearest pallet quantity - For example the nearest 48 spool pallet quantity for 200 spools is slightly more than 4 pallets, but we recommend to round up to 5 pallets to have a buffer for changes through the season.



TAKING OUR SUPPORT  
**TO THE MAX**

**SCAN**  
FOR SUPPORT

