1800 Series

Small Square Balers

HESSTON
by MASSEY FERGUSON

Nothing else stacks up.

Table of Contents

Hesston Quality hay starts here.

The Hesston® 1800 Series

Whether you bale a few acres a year for your own herd or you're a commercial producer, there's one small square baler that can do it all – the Hesston by Massey Ferguson® 1800 Series.

Featuring the same efficient in-line design as our industry-leading large square balers, the 1800 Series runs directly behind the tractor and straddles the windrow like a round baler. It offers benefits you just won't find with conventional designs. Bottom line, you'll just get better hay.

Read on. And we'll give you plenty of reasons why the 1800 Series is simply a better square baler, right on down the line.

Hesston 1800 small square balers.

Two more promises kept. Because that's what we do. Because that's what you need. And because that's what makes all the difference.

Six and a half decades of firsts.

Over the past 65 years, Hesston has been dedicated to helping farmers succeed. With innovation after innovation – and first, after first, after first – we've consistently led the way in providing the tools to produce higher-nutrient, higher-value hay. No wonder we've become the number one choice of hay professionals across North America.

Hesston first

Industry first

1947

The Hesston Manufacturing Company is founded.

1955

Hesston introduces the first commercially available self-propelled windrower – the model 100.

1967

Hesston introduces the Hydro-Static 600, the first hydrostatic drive windrower in the industry.

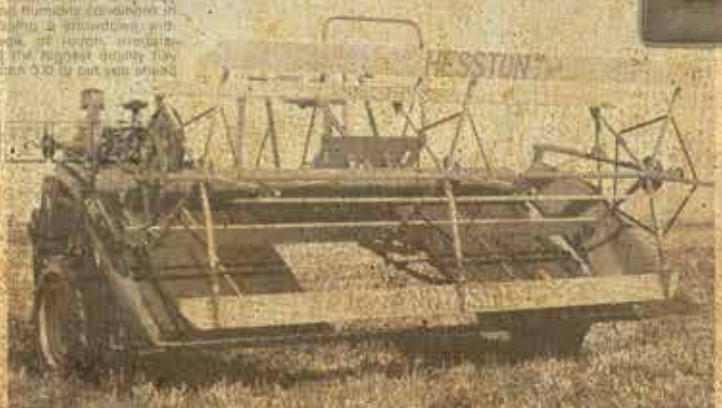
1974

The inaugural Hesston belt buckle is issued. It's the first in a famous series still coveted by collectors today.

1978

Hesston introduces the first large square baler.

1950 1960 1970 198

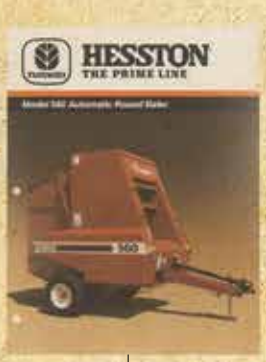


2012

The cutting-edge WR Series wins top innovation awards, including the AE50 from the American Society of Agricultural and Biological Engineers and the Finnovation award from *Farm Industry News.*

1988

The first totally automatic round baler is introduced by Hesston – the model 560.



2009

Hesston introduces the revolutionary 16-foot RazorBar™ cutterbed that delivers one of the closest, cleanest cuts in the business.

2006

Massey Ferguson and Hesston join forces to produce the new Hesston complete line of hay equipment.

1990 2000 2010

1979

The Hesston model 4600 small square baler is the first to feature centerline design.

2011

The unprecedented Hesston WR Series self-propelled windrower introduces electronically controlled hydraulics, operated by a virtual computer terminal, allowing precision control of windrower functions and the incorporation of features unheard of in previous windrowers.

2013

Hesston introduces the Model 1840 Small Square Baler. Built on the highly successful Model 1839, it features new engineering to increase capacity even in difficult conditions, storage for ten spools of twine instead of six, and an extended baler chamber to ensure more consistent bale shape than ever.

1994

Yet another innovation, the Hesston model 8500 is the first self-propelled windrower to use a disc header.

Hesston knows Hay

At Hesston, we've always promised to help hay professionals produce the highest quality, highest nutrient, highest-value hay possible. And for over 60 years, we've delivered on that promise, time and again.

Today, we're proud to say we're the number one choice of producers in North America. And we intend to go right on earning that distinction, with the kind of quality hay tools you just can't get anywhere else. Like our 1800 Series small square balers. Nothing in their class compares.

With every model in the 1800 Series, you'll be getting increased capacity, proven Hesston reliability and top-notch small square baler performance. Not to mention our proprietary in-line design.

Better bales, six ways from Sunday.

From the time hay enters the wide, low-profile pickup until it drops out the back as a finished bale, the crop follows a straight path. There are no right-angle turns, and no high pickup lifts to shake or tear valuable leaves from the stems. Instead, the crop is lifted about half as high as on competitive models and fed straight into a pre-packer chamber that actually pre-forms each flake before sweeping it into the bale chamber. It all adds up to higher-quality bales that are easier to stack and easier to feed.

See complete specs on page 22.

Model	Bale Size	Baler Weight	Required PTO HP	No. of Knotters
1835	14” x 18” (356 x 457 mm)	2,700 lb. (1,224 kg)	35 (26 kW)	2
1837	14” x 18” (356 x 457 mm)	3,050 lb. (1,384 kg)	35 (26 kW)	2
1840	14” x 18” (356 x 457 mm)	3,300 lb. (1,497 kg)	50 (26 kW)	2
1841	16” x 18” (406 x 457 mm)	4,375 lb. (1,985 kg)	50 (37 kW)	2
1844N	15.75” x 22” (400 x 559 mm)	8,000 lb. (3,632 kg)	75 (56 kW)	3
1844S	15” x 22” (381 x 559 mm)	8,000 lb. (3,632 kg)	75 56 kW)	3

1800 Series small square balers

- *Versatile performance*
- *Solid reliability*
- *Industry-exclusive in-line design*
- *Solid, brick-shaped bales*
- *Denser bales with consistent leaf distribution*

Yes, we have no bananas. (The straight facts on our In-line design.)

Thanks to our industry-exclusive in-line design, every bale is easier to handle, stack and feed. Plus, our bales are denser, with more consistent bale flakes and less leaf loss.

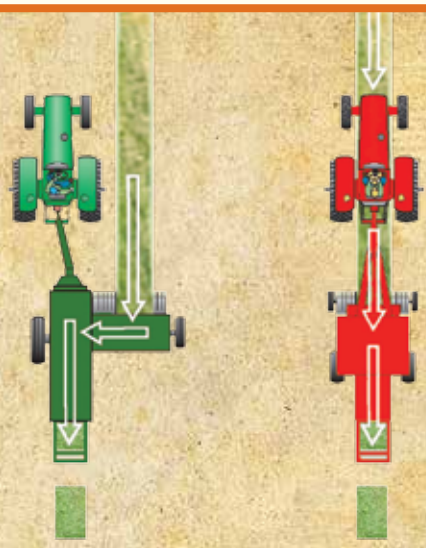
Good-bye flimsy, banana-shaped bales that fall apart at the drop of a hat. Our 1800 Series delivers bales that are consistently higher quality and uniform in shape.

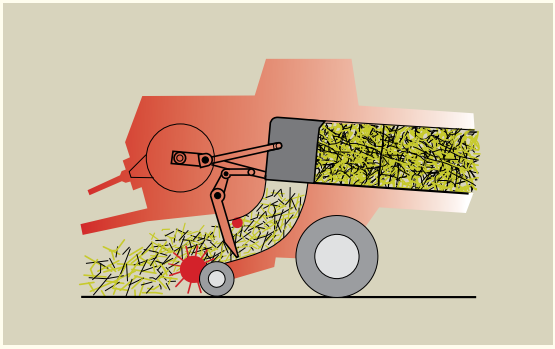
On all competitive balers, the plunger has to form, cut, and compress the hay that's side-delivered through the bale chamber into an individual bale slice. On our 1800 Series, these operations are evenly distributed between the pre-forming chamber, packer/stuffer and plunger, which helps minimize peak loading on the entire drive system.

And because each bale flake is pre-formed before it goes into the bale chamber, the nutritious leaves are more evenly distributed and the same amount of crop is distributed to each side of the bale. The result is uniform bale density from top to bottom, side-to-side and end-to-end.

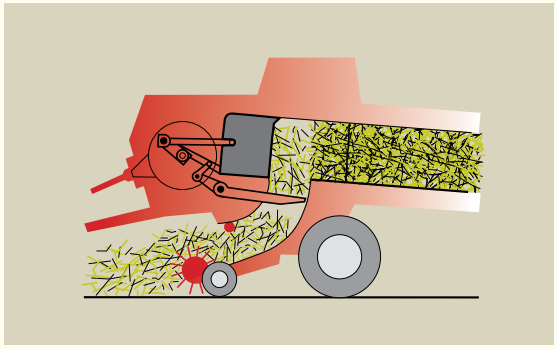
Better in the field. Better on the road.

The benefits of centerline design go far beyond better shaped bales. Because field and road positions are one in the same, you save time when you're on the move. It also means the baler and any wagon pulled behind it are towed in a straight line, for less twist or strain on the baler frame. And the baler can adjust to ground contours faster and easier, since flotation tires are of equal size on both sides of the machine.





Crop flows in a straight line from the low profile pickup to the stuffer and into the pre-compression chamber forming a square, equally dense flake. The direct line of crop flow evenly distributes leaves throughout the bale flake for increased palatability.



Flakes then enter bale chamber through the bottom. Since the pre-compression chamber begins building bale density before the crop enters the bale chamber, plunger load is reduced, lowering horsepower requirements and increasing baling capacity.

Simply better from every angle.

1
To provide additional pick-up capacity, particularly in large windrows and uneven crops, the **pick-up** cross augers have been enhanced.

2
A new **packer fork** with revised spacing significantly increases feeder capacity in a wide range of crops and conditions.

3
To maintain field up- time **larger twine box** has been introduced. This will enable a total of ten spools of twine to be carried.

4
To ensure consistent bale shape in all conditions and maintain uniform density the **OptiForm™ bale chamber** has been extended by 18 inches.

5
To boost the efficiency of the knotters, an optional **cleaning fan** can be added.

Find the model that is right for your operation.

Two-string balers. One-of-a-kind productivity.

Model 1835 – A strong start

This first model in the 1800 Series is designed for the hay producer or livestock owner who needs a strong, reliable baler for a minimal number of acres. Model 1835 churns out 14 x 18-inch bales with a plunger speed of 92 strokes per minute and a pickup width of 70 inches. Yet, it's built tough enough to pull a loaded bale wagon over rolling terrain — an important factor when the bale thrower option is added. It's also loaded with features the competition simply can't offer at this kind of price.

Model 1837 – A step up in performance

For the medium-sized operator who needs a little more capacity, we offer model 1837, with its faster plunger speed and wider pickup. Its 42 double tines and 70-inch tine-to-tine pickup sweep in wider windrows and swaths with less raking for less crop leaf loss. Combine that with its short 21.7-inch plunger stroke and its 100 strokes per minute plunger speed and you have a machine that exemplifies productivity in any kind of crop.

NEW Model 1840 – Tops in 14 x 18-inch balers

Building on the success of its highly regarded predecessor, model 1839, we've significantly enhanced the 1840 in terms of high-capacity baling and rugged reliability. Pick-up capacity and feeder capacity have both been enhanced – especially with large, uneven and varying crop conditions. New features include ten-roll twine storage. An adjustable drawbar that allows attachment to a wider range of tractors. And a new knotter fan (optional) to keep the knotter clean – which is part of the high performance package that also includes the hydraulic bale density system. We've also added 18 more inches to the OptiForm™ bale chamber, to ensure greater consistency in bale shape and density.

Model 1841 – Maximum productivity

Meet our Hesston model 1841. With its 16 x 18-inch bale size and 70-inch tine-to-tine pickup, the 1841 is the perfect machine for high-volume hay producers and custom operators who mechanically load and transport a lot of hay.

A total of 56 double tines on four tine bars sweep up the heaviest windrows without fear of damage, thanks to slip and over-running clutch protection. Other heavy-duty features include eight sealed plunger roller bearings, a number 80 packer drive chain, a six-ball twine box and 31 x 13.5-15 8-ply flotation tires. So don't hold back. The model 1841 is built to handle it, day in and day out.

Whether you're a livestock owner or hay producer, there's a Hesston two-string baler to fit your needs.

The three-string baler that won the West.

Looking for a high-capacity, three-string baler that meets the existing handling and transportation needs of the western market? Hesston offers not one, but two excellent choices. Go with model 1844S for high-quality bale flakes and rock solid 15 x 22-inch bales that load and stack like bricks. Or, for higher capacity and bales that measure slightly larger 15.75 x 22 inches, choose the 1844N. Both produce bales that average 48 inches in length and weigh approximately 145 lbs. at normal baling moisture.

On the 1844S/1844N baler tows directly behind the tractor and straddles the windrow for true in-line baling.

The in-line position also offers a narrower transport width than most competitors — only 8 feet, 6 inches — for safer roading and easier maneuvering.

Take full control

Convenient doesn't begin to describe the 1844S/1844N monitoring console. It offers oversight and remote control of:

- Bale flake counter
- Bale density

Like every Hesston square baler, the 1844S/1844N models allow the crop to move in a straight line from the pickup to the bale chute. It's a difference you'll see in every bale — and a benefit you'll appreciate when it's time to load the trucks.

Consistent bale weight and density

The hydraulic density control system automatically senses and adjusts bale density to produce bales that could be clones of each other in terms of weight and density. Bale density can be adjusted from the tractor cab, too, as crops and conditions change.

TLC for the knotters

An automatic knotter lube system lubricates 18 critical bearing surfaces each time the knotters complete a tying cycle. A blower fan keeps trash buildup to a minimum for increased reliability and smoother operation. The split frame design makes service quicker and easier.

Bale Thrower Kit

Add your choice of bale-handling options.

The Bale Thrower Kit*

Increase your productivity in the field and reduce the labor, with this kit that allows you to fill even the largest wagons without wrestling bales by hand. Compatible with Models 1840, 1837 and 1835.

*Please see specifications on page 21.

Bale Chute Extension Kit

Most commonly used to unload bales straight from the baler to a wagon, this kit works specifically with the BK40416 bale chute.

Wagon Hitch Kit

Used in conjunction with the bale chute, balethrower kit or extension kit, this telescoping hitch allows you to pull a wagon through the field, behind the baler. It should not be used to pull loaded wagons or other vehicles on the road.

Hesston is all about helping hay producers get where they're going. And because the 1800 Series and any wagon pulled behind it are towed in a straight line, getting there is safer than ever.

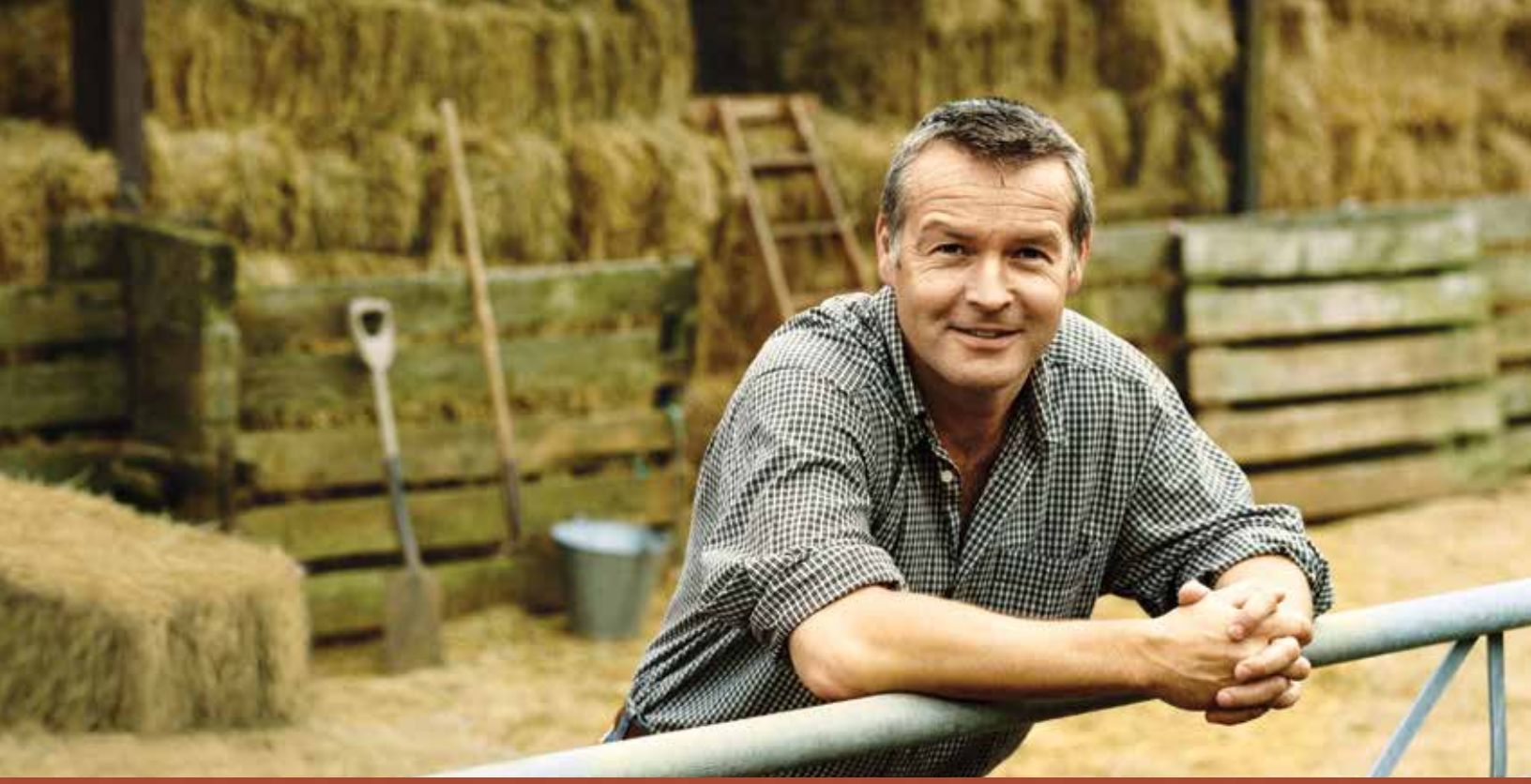
Bale Chute Quarter Turn Kit

This kit lets you turn bales 90° and drop them on the ground with the twines on the sides of the bale, for pickup with an automatic stacking bale wagon. It can be set up to turn bales to the right or left or to drop them with the twines on top, like the regular bale chute.

HayBoss G2™ Preservative System

The bale chamber frame on 1800 Series balers is already equipped with mounting points for the AGCO HayBoss G2™ Hay Preservative System. It includes a 110-gallon tank, in-cab monitor and automatic applicator. For additional information and downloadable literature on the HayBoss family of products, visit www.agcoparts.com/Hay/hayboss.

HayBoss G2™ Preservative System



We know hay.

They say nobody knows hay like Hesston.

But the truth is, someone else does.

Just ask those farmers who spend their lives producing it.

They know hay. They know Hesston. And they know we're in this together.

After all, the quality of their hay determines their quality of life. And they need a partner they can rely on.

For almost 60 years, we've been right there, swath after swath, field after field, season after season, doing all we can to make them more efficient. More productive. More successful.

In other words, we've kept our promises.

And we've been rewarded with a loyalty that's humbling.

Yes. Hesston knows hay.

And our mission is to provide the help that hay farmers need. Any way we can.

Because we're in this together.

And we wouldn't have it any other way.

Invest wisely.

Hesston has built a worldwide following by building machines that last. We go the extra mile right from the start, so our balers go the extra mile for years to come. Maybe that's why our small square balers have been the market leader for the past three decades. Best of all if you ever decide to trade in your Hesston 1800 Series baler, the resale values are the highest in the industry. That's because they come with a built-in reputation for durability. And they come from a brand that has served farmers for more than 65 years.

LOW-RATE, FLEXIBLE FINANCING

Your Dealer and AGCO Finance offer attractive financing to ensure our 1800 Series small square balers will fit your operating budget. Rates as low as 0% APR and terms make it easy to buy, lease or rent.

We're number one in hay. And every bale proves why. Whether you're a large producer or small, we have just the baler you need.

We're always at your service.

If you're like most farmers, when you find that perfect piece of equipment, it becomes almost like part of your family. And when you buy a Hesston 1800 Series baler, you instantly become part of ours. Our network of dealers understands what owning a commercial-grade baler really means. They'll advise and support you through the selection process, the buying process, through operation, maintenance and beyond. Equally important, they realize that you have to be ready to bale 24 hours a day, seven days a week. Because our dealers share your passion for farming, they're happy to share their knowledge to keep you working happy, no matter the hour. After all, you're family. And there's nothing we wouldn't do for family.

All-inclusive warranty

Even our warranty is high performance. From hitch pin to bale chute, it provides one-year/unlimited hour all-inclusive coverage on all other parts and labor. Best of all, it's backed by dealers who know how to help you make the most of it.

Quality parts

Genuine AGCO replacement parts are manufactured to the same high standards of quality and dependability as the original part used on the assembly line. Using original equipment parts will help keep your Hesston 1800 Series baler running like new.

At Hesston, you're family. And there's nothing we wouldn't do for family.

Questions? Go to Hesston.com

Our website opens the door to all sorts of technical information, corporate support and product specifications. Visit the site today to see our full line of hay making products and even build and price your own machine. At Hesston.com we are always available with expert advice and quality hay making solutions.

Merchandise and Gifts

ShopHesstonGear.com is your one-stop source for Hesston and Team Hesston logoed products. You'll have access to hats, apparel, seasonal items, gifts and our collectable WNFR belt buckles.

AGCO Answers

(877) 525-4384 | agcoanswers@agcocorp.com

At AGCO, customer care isn't just a department. It's a commitment. Contact us with your questions. We'll do our best to answer them promptly, or put you in touch with someone who can.

Team Hesston Rodeo

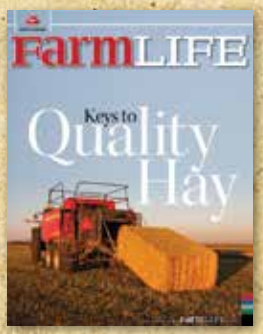
Hesston has been an important part of Professional Rodeo since 1975. Team Hesston Rodeo was formed in 2013 to further expand Hesston's support of the top cowboys and cowgirls in ProRodeo.

Follow Team Hesston Rodeo as these top Cowboys and Cowgirls blaze their way through the ProRodeo trail on their way to Las Vegas for the NFR. They have World Championships in their sights and the power of Hesston Machinery and Hay behind them. Join Team Hesston Rodeo and be part of the new World Championship Machine.

Ride with us.

#TeamHesston

Enjoy our exclusive publication that offers insights into all the joys–and challenges–of rural life. Go to myfarmlife.com to learn more.



We proudly support:

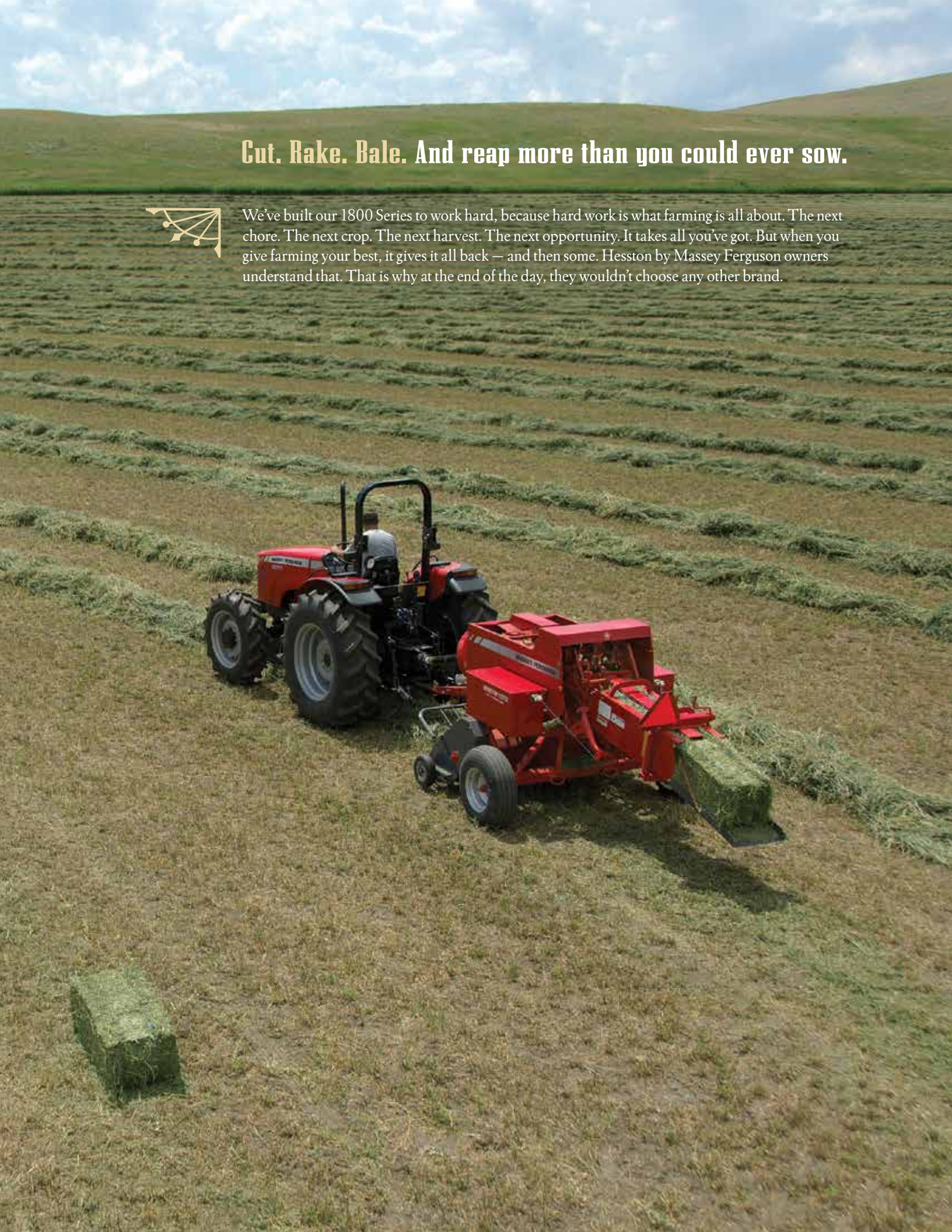
Farm Safety Just Kids

Play It Safe. Work Safely.

BALER MODEL	1835	1837	1840	1841
Bale Size				
Size of chamber in. (mm)	14 x 18 (356 x 457)	14 x 18 (356 x 457)	14 x 18 (356 x 457)	16 x 18 (406 x 457)
Bale length in. (mm)	12 to 52 (305 to 1,321)	12 to 52 (305 to 1,321)	12 x 52 (305 x 1,321)	12 to 52 (305 to 1,321)
Dimensions & Weight				
Length				
w/o bale chute in. (mm)	168 (4,267)	168 (4,267)	182 (4,267)	202 (5,121)
w/bale chute in. (mm)	204 (5,182)	204 (5,182)	218 (5,182)	244 (6,187)
w/bale thrower in. (mm)	240 (6,096)	240 (6,096)	254 (6,096)	N.A.
Width (overall) in. (mm)	93 (2,362)	101 (2,565)	101 (2,565)	104 (2,652)
Height w/shielding in. (mm)	65 (1,651)	65 (1,651)	65 (1,651)	66 (1,676)
Baler weight, approx. lbs (kg)	2,700 (1,224)	3,050 (1,384)	3,500 (1,587)	4375 (1,985)
Tires				
Flotation	9.5L x 14, 6 Ply	11L x 14, 6 Ply	31 x 13.5-15, 8 Ply	31 x 13.5-15, 8 Ply
Pickup				
Width				
Tine to tine in. (mm)	54.6 (1,387)	70.2 (1,782)	70.2 (1,782)	70.2 (1,782)
Inside panel to panel in. (mm)	61.1 (1,552)	75.9 (1,928)	75.9 (1,928)	77.5 (1,968)
Outside panel to panel in. (mm)	73.5 (1,867)	89.1 (2,264)	89.1 (2,264)	91.2 (2,316)
Number of tine bars	3	3	4	4
Number of tines	66	84	112	112
Augers in. (mm)	13 O.D. (330)	13 O.D. (330)	11 O.D. (280)	12.5 O.D. (318)
Protection	Belt drive	Belt drive	Overrunning torque limiter	Slip and overrunning clutch
Gauge wheels	2 (one per side)	2 (one per side)	2 (one per side)	2 (one per side)
Feeding System				
Stuffer	Crank type w/4 tines	Crank type w/4 tines	Crank type w/4 tines	Crank type cam controlled w/3 tines
Drive	No. 60 chain	No. 60 chain	No. 60HD chain	No. 80 chain
Protection	Shearbolt	Shearbolt	Shearbolt	Shearbolt
Plunger				
Speed: strokes / min.	92 strokes/min	100 strokes/min	100 strokes/min	100 strokes/min
Length of stroke: in. (mm)	21.7 (550)	21.7 (550)	22 (550)	23 (584)
Mounting	7 sealed ball bearing rollers	7 sealed ball bearing rollers	8 sealed ball bearing rollers	8 sealed ball bearing rollers
Tying Mechanism				
Type	Knotters	Knotters	Knotters	Knotters
Protection	Shearbolt	Shearbolt	Shearbolt	Shearbolt
Twine container capacity	4 balls	4 balls	10 balls	6 balls
Tractor Requirements				
Horsepower, minimum hp (kW)	35 (26)	35 (26)	50 (37)	35 (26)
PTO speed rpm	540	540	540	540
Hydraulics	None for standard baler	None for standard baler	1	One double acting remote valve (for hydraulic pickup lift)
Optional Kits				
	Bale chute Bale chute extension Bale chute quarter turn Wagon hitch kit Hydraulic bale tension kit Hydraulic pickup lift kit Field light kit Bale thrower	Bale chute Bale chute extension Bale chute quarter turn Wagon hitch kit Hydraulic bale tension kit Hydraulic pickup lift kit Field light kit Bale thrower	Bale chute Bale chute extension Bale chute quarter turn Wagon hitch kit Hydraulic bale tension kit Hydraulic pickup lift kit Field light kit Bale thrower	Bale chute Bale chute extension Bale chute quarter turn Field light kit Knotter lubrication system

BALER MODEL	1844S	1844N
Bale Size		
Size of chamber in. (mm)	15 x 22 (380 x 560)	15.75 x 22 (400 x 560)
Bale length in. (mm)	12 to 52 (305 to 1,321)	12 to 52 (305 to 1,321)
Dimensions & Weight		
Length w/bale chute in. (mm)	285 (7,239)	285 (7,239)
Width (overall) in. (mm)	104 (2,642)	104 (2,642)
Height w/shielding in. (mm)	69 (1,753)	69 (1,753)
Baler weight, approx. lbs (kg)	8,000 (3,632)	8,000 (3,632)
Tongue weight lbs (kg)	1,030 (468)	1,030 (468)
Tires		
Flotation	14L x 16.1, 12 Ply	14L x 16.1, 12 Ply
Pickup gauge wheels	4.00 x 16 pneumatic w/ inner tube	4.00 x 16 pneumatic w/ inner tube
Pickup		
Drive	Drive shaft and roller chain	Drive shaft and roller chain
Width Tine to tine in. (mm) Inside panel to panel in. (mm) Outside panel to panel in. (mm) Overall w/gauge wheels in. (mm)	 70.2 (1,783) 77.5 (1,969) 91.2 (2,317) 108.5 (2,756)	 70.2 (1,783) 77.5 (1,969) 91.2 (2,317) 108.5 (2,756)
Number of tine bars	4	4
Number and type of tines	56, double tines	56, double tines
Tine spacing in. (mm)	2.6 (66)	2.6 (66)
Tine control	Dual camtracks	Dual camtracks
Protection	Slip & overrunning clutch	Slip & overrunning clutch
Augers Length in. (mm) Shaft size in. (mm) Speed rpm	 33.5 (852) 1.38 (34.9) 278	 27.6 (700) 1.25 (31.8) 212
Gauge wheels	2 (one per side)	2 (one per side)
Pickup lift	Hydraulic cylinder	Hydraulic cylinder
Feeding System		
Stuffer crank	6 tines	8 tines
Protection	Shearbolt	Shearbolt
Plunger		
Speed: strokes / min.	90	90
Length of stroke: in. (mm)	21.9 (556)	21.9 (556)
Mounting	10 sealed ball bearing rollers	10 sealed ball bearing rollers
Tractor Requirements		
Horsepower hp (kW)	75 (55)	75 (55)
Hydraulic System		
Type	Self-contained	Self-contained
Pump dsiplacement gpm (L/min)	3.6 (13.6)	3.6 (13.6)
Towing Vehicle Requirements		
Weight, minimum lbs (kg)	5,700 (2,588)	5,700 (2,588)
Electrical	12 V DC w/ ASAE 7-pin connector for warning lights	12 V DC w/ ASAE 7-pin connector for warning lights

BALER THROWER	
General	
Applicable models	1835/1837/1840
Thrower type	Belt
Belt drive	Hydraulic pump driven by baler
Apron belts Type (number) Size in. (mm)	Flywheel Wedge Grip pattern (2) 12 (305)
Bale Size	
Cross section in. (mm)	14 x 18 (356 x 457)
Length in. (mm)	36 (914)
Bale weight (max.) lbs (kg)	70 (32)
Dimensions and Weights	
Length in. (mm)	63 (1,600)
Height in. (mm)	72 (1,829)
Weight (approx) lbs (kg)	500 (227)



Cut. Rake. Bale. And reap more than you could ever sow.

We've built our 1800 Series to work hard, because hard work is what farming is all about. The next chore. The next crop. The next harvest. The next opportunity. It takes all you've got. But when you give farming your best, it gives it all back — and then some. Hesston by Massey Ferguson owners understand that. That is why at the end of the day, they wouldn't choose any other brand.










Welcome to the family.

HESSTON
by MASSEY FERGUSON



HESSTON
by MASSEY FERGUSON

AGCO, Your Agriculture Company, is a premier manufacturer of agricultural equipment, providing high-tech solutions for professional farmers feeding the world. The company is dedicated to delivering superior customer service, innovation and quality. AGCO products are distributed in more than 140 countries worldwide.