



MASSEY FERGUSON

HESSTON



# 1800 SERIES

SMALL SQUARE BALERS

DENSER BALES WITH CONSISTENT  
LEAF DISTRIBUTION



# 1800 SERIES

## BOTTOM LINE

YOU'LL JUST GET BETTER HAY

FEATURING THE SAME EFFICIENT IN-LINE DESIGN AS OUR INDUSTRY-LEADING LARGE SQUARE BALERS, THE HESSTON BY MASSEY FERGUSON® 1800 SERIES SMALL SQUARE BALER RUNS DIRECTLY BEHIND THE TRACTOR AND STRADDLES THE WINDROW. THIS OFFERS BENEFITS YOU JUST WON'T FIND WITH CONVENTIONAL SIDE-FEED DESIGNS.



**4** SIMPLY BETTER

**8** THE THREE-STRING BALER

**9** HIGH-QUALITY BALES

**10** TECHNICAL SPECIFICATIONS

- Simply Better ..... 4
- Hesston Knows Hay ..... 6
- The Three-String Baler ..... 8
- High-Quality Bales ..... 9
- Technical Specifications ..... 10
- Parts & Service ..... 11

# SIMPLY BETTER FROM EVERY ANGLE

At Hesston, we've always promised to help hay professionals produce the highest-quality, highest-nutrient, highest-value hay possible. And for 75 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 continue earning that distinction, with quality hay tools you can't get anywhere else, including the Hesston® 1800 Series small square balers. Nothing in their class compares.

With every model in the Hesston 1800 Series, our proprietary in-line design will deliver increased capacity, proven Hesston reliability and top-notch small square baler performance.

## PICKUP CROSS AUGERS

Cross augers are utilized to provide a steady crop flow into the stuffer chute. This is an added benefit with large or uneven windrows. The cross augers work in conjunction with the curved-tip pickup tines to maximize capacity at the pickup.

## STUFFER FORK

The spacing of the stuffer fork tines as well as the travel geometry maximizes capacity in all crop conditions.



### **KNOTTER FAN**

To help promote reliability and minimize debris buildup on the top of the baler, a knotter fan comes standard on all 1800 Series balers except the 1838.

### **OPTIFORM™ BALE CHAMBER**

The 1840 features the OptiForm bale chamber. The added 18 inches of chamber length helps to maintain uniform, dense bales in all conditions.

### **LARGER TWINE BOX**

To maintain field uptime, a larger twine box has been introduced on certain models. This will enable up to 10 balls of twine to be carried.

### **HYDRAULIC BALE TENSION**

Dial in the perfect bale weight with hydraulic bale tension.

# HESSTON KNOWS HAY

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 preforming chamber that 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.





### **HESSTON 1838 — A STEP UP IN PERFORMANCE**

For the medium-sized operator who needs a little more capacity, the Hesston 1838 offers a faster plunger speed and wider pickup. The wide 89-inch pickup width with 42 double tines performs well in both wide and narrow windrows. The low profile of the pickup minimizes crop movement and promotes high quality forage. Combine that with its 100-strokes-per-minute plunger speed, and you have a machine that delivers productivity in any kind of crop.



### **HESSTON 1840 — TOPS IN 14-BY-18-INCH BALERS**

The Hesston 1840 is the leader in high-capacity baling and rugged reliability. Pickup capacity and feeder capacity are critical in large, uneven and varying crop conditions. Features include 10-ball twine storage, an adjustable drawbar that allows attachment to a wider range of tractors, and a knotter fan (optional) to keep the knotters clean. All are 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, compared to the Hesston 1838. This ensures even greater consistency in bale shape and density.

### **HESSTON 1842 — MAXIMUM PRODUCTIVITY**

With its 16-by-18-inch bale chamber and 91-inch pickup, the Hesston 1842 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 can handle the heaviest windrows without fear of damage, thanks to slip and overrunning clutch protection. Other heavy-duty features include eight sealed plunger bearing rollers, a number 80 packer drive chain, a 10-ball twine box, and 31-by-13.5 or 31-by-15 8-ply flotation tires. So don't hold back. The Hesston 1842 is built to handle it, day in and day out.



▼ Add your choice of bale-handling options:

#### **Wagon Hitch Kit**

Used in conjunction with the bale chute, bale thrower 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.

#### **The Bale Thrower Kit**

Increase productivity in the field and reduce labor with this kit that allows you to fill even the largest wagons without wrestling bales by hand. Compatible with Hesston 1838 and 1840 balers.

#### **Bale Chute Extension Kit**

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

# THE THREE-STRING BALER THAT WON THE WEST

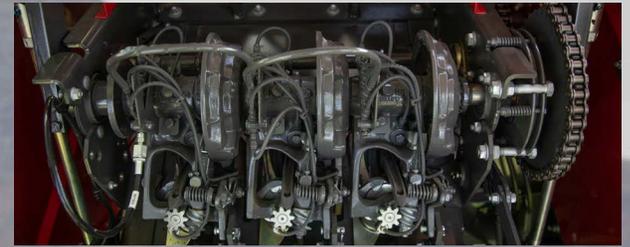
Looking for a high-capacity three-string baler that meets the handling and transportation needs of the Western market? Hesston offers not one, but two excellent choices. Go with the Hesston 1844S for high-quality bale flakes and rock-solid 15-by-22-inch bales that load and stack like bricks. It produces bales that average 48 inches in length and weigh up to 180 pounds at normal baling moisture. The 1844S tows directly behind the tractor and straddles the windrow for true in-line baling. The in-line position also offers a narrower transport width — only 8 feet, 6 inches — for safer roading and easier maneuvering. And it comes with 12-ball twine storage.

---

## TAKE FULL CONTROL

Convenient doesn't begin to describe the Hesston 1844S monitoring console, which offers oversight and remote control of both the bale flake counter and bale density.

---



## TLC FOR THE KNOTTERS

An automatic knotter lube system lubricates 18 critical wear points 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.



## CONSISTENT BALE WEIGHT AND DENSITY

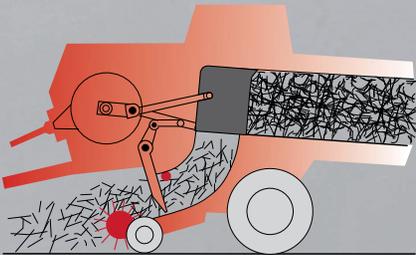
The hydraulic density control system automatically senses and adjusts bale density to produce bales that could be clones of each other in terms of weight and density. Bale density can be adjusted from the tractor cab too, as crops and conditions change.



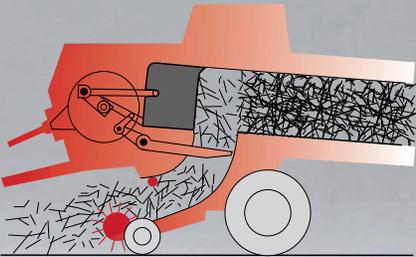
# HIGH-QUALITY BALES

## THE STRAIGHT FACTS ON OUR IN-LINE DESIGN

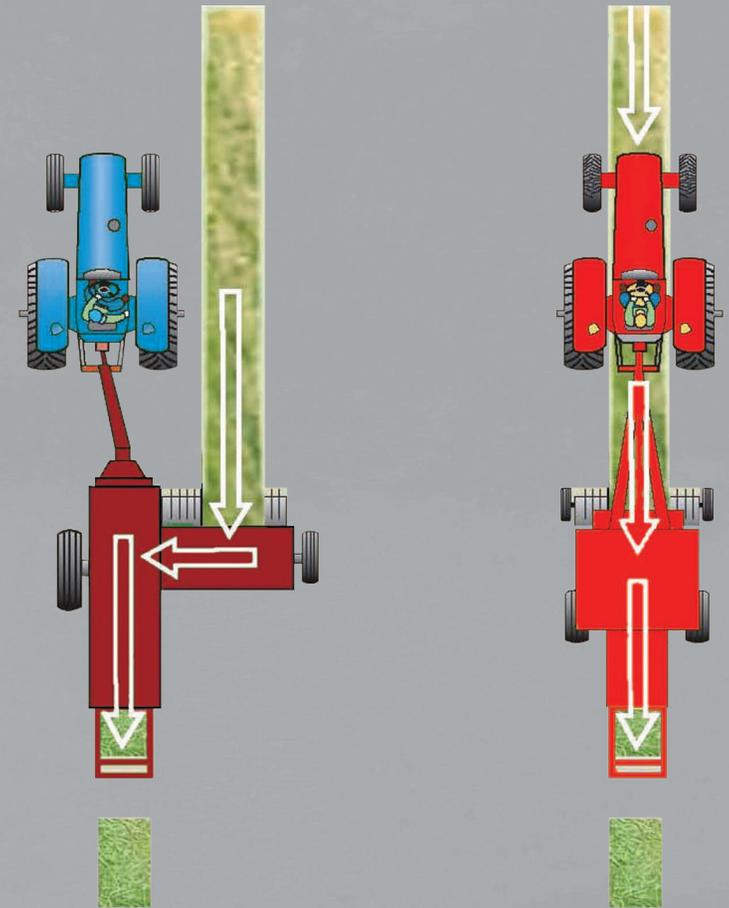
Goodbye flimsy, banana-shaped bales that fall apart at the drop of a hat. The Hesston 1800 Series delivers bales that are consistently higher quality and uniform in shape. On competitive balers, the plunger has to form, cut and compress the hay that's side-delivered through the bale chamber into an individual bale slice. On the Hesston 1800 Series, these operations are evenly distributed between the preforming chamber, packer/stuffer and plunger, which helps minimize peak loading on the entire drive system. And because each bale flake is preformed 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.



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 the 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.



### BETTER IN THE FIELD. BETTER ON THE ROAD.

The benefits of in-line design go far beyond better-shaped bales. Because field and road positions are one and 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.

# TECHNICAL SPECIFICATIONS

	1838	1840	1842	1844S
<b>Bale Size</b>				
Size of chamber	in. (mm) 14 x 18 (356 x 457)		16 x 18 (406 x 457)	15 x 22 (380 x 560)
Bale length	in. (mm) 12 to 52 (305 to 1,321)			
<b>Length</b>				
Without bale chute	in. (mm) 168 (4,267)		202 (5,121)	-
With bale chute	204 (5,182)		244 (6,187)	285 (7,239)
With bale thrower	240 (6,096)		-	-
Width (overall)	in. (mm) 101 (2,565)		104 (2,652)	
Height with shielding	in. (mm) 65 (1,651)		66 (1,676)	69 (1,753)
Baler weight, approx.	lbs. (kg) 3,050 (1,384)		3,500 (1,587)	4,375 (1,985)
			4,375 (1,985)	8,000 (3,632)
<b>Tires</b>				
Flotation	11 L x 14, 6 Ply		31 L x 13.5-15, 8 Ply	14 L x 16.1, 12 Ply
<b>Pickup Width</b>				
Tine to tine	in. (mm) 70.2 (1,782)		70.2 (1,782)	
Inside panel to panel	75.9 (1,928)		77.5 (1,968)	
Outside panel to panel	89.1 (2,264)		91.2 (2,316)	
Number of tine bars	3		4	
Number of tines	84		112	56
Augers	13 O.D. (330)		11 O.D. (280)	12.5 O.D. (318)
Protection	Belt drive		Overrunning torque limiter	Slip and overrunning clutch
Gauge wheels	2 (one per side)			
<b>Feeding System</b>				
Stuffer	Crank type with 4 tines		Crank type cam controlled with 3 tines	Crank type with 6 tines
Drive	No. 60 chain		No. 60HD chain	No. 80 chain
Protection	Shearbolt			
<b>Plunger</b>				
Protection	Shearbolt			
Length of stroke	100		21.9 (556)	
Mounting	7 sealed ball bearing rollers		8 sealed ball bearing rollers	10 sealed ball bearing rollers
<b>Tying Mechanism</b>				
Type	Knotters		-	
Protection	Shearbolt		-	
Twine container capacity	6 balls		10 balls	-
<b>Tractor Requirements</b>				
Minimum PTO HP	(kW) 45 (34)		50 (37)	80 (60)
PTO speed	rpm 540		-	
Hydraulics	None for standard baler		One double acting remote valve (for hydraulic pickup lift)	-

\*Specifications are manufacturer's estimates at time of publication and are subject to change without prior notification.

## BALER THROWER

### General

Applicable models		1838/1840
Thrower type		Belt
Belt drive		Hydraulic pump driven by baler
Apron belt		Flywheel
Type	number	Wedge grip pattern (2)
Size	in. (mm)	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)
Width	lbs. (kg)	500 (227)

## OPTIONAL KITS

1838	<ul style="list-style-type: none"> <li>Bale chute</li> <li>Bale chute extension</li> <li>Bale chute quarter turn</li> <li>Wagon hitch kit</li> <li>Hydraulic bale tension kit</li> <li>Hydraulic pickup lift kit</li> <li>Field light kit</li> <li>Bale thrower</li> </ul>
1840	<ul style="list-style-type: none"> <li>Bale chute</li> <li>Bale chute extension</li> <li>Bale chute quarter turn</li> <li>Wagon hitch kit</li> <li>Field light kit</li> <li>Bale thrower</li> </ul>
1842	<ul style="list-style-type: none"> <li>Bale chute</li> <li>Bale chute extension</li> <li>Bale chute quarter turn</li> <li>Field light kit</li> <li>Knotter lubrication system</li> </ul>
1844S	<ul style="list-style-type: none"> <li>Tandem wheel kit</li> <li>Clevis hitch kit</li> </ul>

## PARTS & SERVICE

# IT'S ALL ABOUT A LIFETIME OF SUPPORT

Buying, owning and maintaining equipment can be complex. That's why ensuring you have support and peace of mind is always an important consideration. With Massey Ferguson, you can count on personalized, responsive support from our network of dealers. Plus, there's no cutoff time for parts and service, meaning we're available to you throughout the lifetime of your machine.



Ask your dealer about AGCO Protection, an extended warranty program that prolongs your coverage and safeguards against the cost of sudden breakdowns.

AGCO replacement parts are made to the same high standards as those used on the assembly line, so your AGCO® equipment will stay running like new. Talk to your dealer or shop at [parts.agcocorp.com](http://parts.agcocorp.com) to find the AGCO Genuine Parts you need.

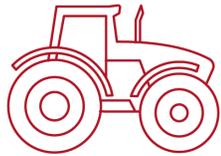
Focus on your operation, not on scheduling maintenance. With AGCO GenuineCare plans, your service intervals are predetermined. You'll avoid downtime and be able to better plan your costs thanks to transparent pricing, bundles and discounts.



We proudly support:



**APPLY  
ONLINE  
FOR FINANCING**



*APPLY NOW FOR PRE-APPROVAL\**  
[www.masseyferguson.us](http://www.masseyferguson.us)



or scan the QR code to get started.



\*Currently only available for individual applicants. Subject to credit review and approval and other terms and conditions. All financing is in AGCO Finance LLC's sole discretion.  
©2023 AGCO Corporation. Massey Ferguson is a worldwide brand of AGCO Corporation.  
Hesston is a brand of AGCO. AGCO, Massey Ferguson and Hesston are trademarks of AGCO.  
All rights reserved. | MF22B008FCV03



**MASSEY FERGUSON**

**HESSTON**