



HarvestTec[®]

EST. 1976

Harvest Tec, your trusted advisor for hay and forage solutions since 1976.

Explore our full lineup of hay preservative, applicator solutions, and accessories—all designed to support better forage management from start to finish.



Applicators & Moisture Sensors

No matter what baler you use, there is a model of Harvest Tec applicator for you. Pair it with our Baler's Choice® hay preservative and you'll have the most efficient, advanced, and easy to use application system on the market.

Efficient Design With You In Mind

Tanks and saddles have been engineered to mount on all makes and models of balers. They are designed with you in mind; easy to reach and fill, yet out of the way.



Large Square Balers

Baler's Choice® hay preservative is formulated with the large hay producer in mind. Bales produced between 16% and 27% moisture will not heat and will maintain their high quality, smell and appearance when treated with Baler's Choice®.



Round Balers

Hay can be baled with Baler's Choice® at moistures up to 30% with a round baler, extending the hours of operation. Although no preservative product can reduce outside weathering, Baler's Choice® can preserve the quality of the inside.



Small Square Balers

Baler's Choice® enables hay to be baled at moistures up to 30% with small square balers. Get out in the fields early, even on cloudy days, and work later in the evenings when the dew is heavier.

Better Bales With The Right Application Equipment

Greener hay with high feed value is the ultimate goal of every smart producer. All it takes is the right application system. Harvest Tec applicators are available for every make and model of baler, and allow the operator to apply preservative efficiently and effectively to match hay conditions. Large or small, our application process means your crops are baled at the highest quality possible, with minimal product waste.



Moisture Doesn't Stand a Chance

Harvest Tec's automatic applicators are equipped with in-chamber moisture sensors. The sensors accurately sense crop throughput, moisture levels while baling, and take a reading across the entire width of the bale, 100 times every three seconds. This allows the operator to see real-time moisture levels and monitor changes in the field.

Large Square Balers

The 700 Series Automatic Applicator for large square balers are equipped with star wheels that mount on the top of the bale chute. Accurately reads moisture from 8% to 70%.



Round Balers

The 700 Series Automatic Applicator for round balers is equipped with two moisture sensing discs, one mounted on each of the baler's sidewalls, reading moisture from 5% to 60%. US Patent 8,860,443



Small Square Balers

Moisture sensors for the automatic applicator on small square balers consist of two star wheels that mount on the bottom of the bale chute. Reading moisture from 8% to 32%.



Pumping System & Spray Shields

The 700 Series Automatic Applicator has a single pump. As the hay moisture and throughput fluctuates, the system adjusts as needed to apply the right amount of preservative on the go.

Consistent preservative coverage throughout the crop is critical. Each baler model has a spray shield designed to fit specifically in the pick-up area, to assure complete and accurate coverage.



An Automatic System Creates Exceptional Bales

The 700 Series Automatic Applicator works as you go, applying the right amount of preservative at the right time, based on moisture levels. You can bale faster and complete more tonnage while tracking the volume of preservative used. Application systems are designed specifically for every make and model of large square balers, small square balers, and round balers.



Automatic Controls For All Balers

The new 700 Series Automatic Applicator for large square balers makes baling quality hay easier and more efficient. Features include:

- ISOBUS compatible
- Records bale information and job records
- Ability to export job records to USB flash drive
- Provides capacity to add on additional features such as moisture dye sprayer, bale weight information, and GPS position of where bale is tied
- Applicator can be controlled through most baler ISOBUS displays, or customer's tablet*

If a baler or tractor is not equipped with an ISOBUS monitor, the operator also has the option of using their own tablet display via charging cable into the ISO Communication Module located in cab of tractor. Any one of these options give the operator complete control and provides information for any baler equipped with the automatic applicator. The baler monitor and tablet display:

- Moisture content
- Speed of baling (tonnage)
- Volume of preservative used per bale
- Target application rate and actual application rate
- Total tons baled

View Selected Job (2)

Created	Bales	Moisture	Application
04/20/2021	Count 3009	Average 24%	Product 75 lb
#	Aug MC	High MC	Prod Used
7	47%	42%	4.3 lb
8	47%	42%	4.3 lb
9	47%	42%	4.3 lb
10	47%	42%	4.3 lb
11	47%	42%	4.3 lb
12	47%	42%	4.3 lb
13	47%	42%	4.3 lb
14	47%	42%	4.3 lb
15	47%	42%	4.3 lb
16	47%	42%	4.3 lb
17	47%	42%	4.3 lb
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20	47%	42%	4.3 lb
21	47%	42%	4.3 lb
22	47%	42%	4.3 lb
23	47%	42%	4.3 lb
24	47%	42%	4.3 lb
25	47%	42%	4.3 lb
26	47%	42%	4.3 lb
27	47%	42%	4.3 lb
28	47%	42%	4.3 lb
29	47%	42%	4.3 lb



* Requirements to run iPad is iOS 12 or later installed, plus Harvest Tec Precision Baling App installed.

* Requirements to run thru Samsung tablet are Google Play 5 operating system plus Harvest Tec Precision Baling App.

700 Series Monitors Display

- Moisture content - Instantaneous and Bale Average
- Speed of baling (tonnage)
- Volume of preservative used per bale
- Target application rate and actual application rate
- Total tons baled



** Requirements to run iPad is iOS 12 or later installed, plus Harvest Tec Precision Baling App installed.

Control Options

Innovation That Works For Large Balers

Automatic applicators take the guesswork out of baling. They also make it easy and convenient. You have complete control from the tractor with an ISOBUS monitor, or the customer’s tablet. Leading-edge technology that works for you.



Automatic Mode

On the main operating screen, moisture readings are averaged every three seconds; baling rate every five seconds. The controller can match application rate for precise application.

Manual Mode

Operator can override automatic features and proceed as needed.

Setup

Adjust moisture points or set rate per ton. Weights for balers not equipped with scale can be estimated.

FIELD	AVG MOISTURE	HIGH MOISTURE	PRESERVATIVE	BALE NUMBER	BALE WEIGHT	DATE/TIME BALED
VAN1	7	12	0	5353602299	1200	10 JUN 14 00:42
VAN1	7	11	0.1	5353602300	1200	10 JUN 14 00:43
VAN1	7	10	0	5353602301	1200	10 JUN 14 00:45
VAN1	16	20	2.4	5353602302	1200	10 JUN 14 00:46
VAN1	13	20	1	5353602303	1200	10 JUN 14 00:47
VAN1	13	18	1.6	5353602304	1200	10 JUN 14 00:49
VAN1	11	15	0.1	5353602305	1200	10 JUN 14 00:51
VAN1	8	18	0	5353602306	1200	10 JUN 14 00:52
VAN1	6	11	0	5353602307	1200	10 JUN 14 00:54
VAN1	9	16	0	5353602308	1200	10 JUN 14 00:55
VAN1	10	16	0	5353602309	1200	10 JUN 14 00:57
VAN1	12	16	0.2	5353602310	1200	10 JUN 14 00:58
VAN1	18	28	3.3	5353602311	1200	10 JUN 14 01:00
VAN1	17	22	3.2	5353602312	1200	10 JUN 14 01:01
VAN1	22	28	6	5353602313	1200	10 JUN 14 01:02
VAN1	14	19	1.9	5353602314	1200	10 JUN 14 01:03

Job Records

Knowledge is power. Detailed job records, as shown below, help you stay efficient.

- Average and high moisture levels
- Bale weight
- Amount of product used
- Date/time
- GPS coordinate of bale position when equipped with optional 780GPS receiver

You Run The Show For Round Or Conventional Balers

Automatic applicators provide “in-the-field” office management for your baling operations.

700 Monitors

- Control the automatic application of preservative
- Allow moisture to be read continuously by sensors, fed to the processor and displayed
- Measure speed of baling, the amount of preservative used and the average moisture of the last bale
- Display moisture as it changes
- Automatically adjust the rate of preservative application every three seconds when in automatic mode. Actual rate of application is read by a flow meter and displayed on the screen as “actual” and compared to the set “target” rate.
- Adjusts for speed of baling

Everyday Electronic Cab Control

For small-scale operations, an electronic control applicator is available on all baler models and sizes. The dial on the control box can be adjusted for correct preservative output. Electronic components in the cab control box hold the application rate constant.

This unit is included for:

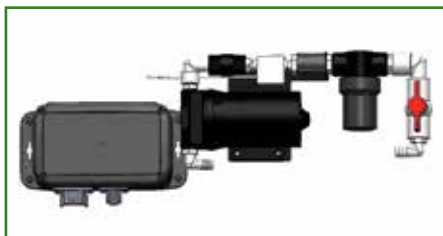
- 25 and 55-gallon applicators with electronic control
- 110 and 100-gallon applicators with electronic control for large square balers



COMPARISON OF APPLICATOR CONTROLS

	Electronic	700 Series Automatic
Single Pump		
Control Box with Adjustable Dial		
Tablet Display		
ISOBUS Display		
Built-in Flowmeter		
Automatic Application		
Moisture Sensing Capability		
Job Record by Field		
Job Records by Individual Bales		
Calculates Baling Rate		
Hay Indicator Compatible		
Optional Stroke Counter on Small Square Baler		
Dye Sprayer Kit Compatible		

Components of 700 Series Large Square Applicator



1 Pump Plate

Mounted on preservative tank; includes bypass pump and flow meter



5 Spray Shield/Tips

Hay preservative applied at bale pickup on loose windrow as fed into baler.



2 Dual Pulsing Solenoids

Accurately controls rate of preservative with a range from 24 lb/hr up to 800 lb/hr



6 Dual Star Wheels

Sends low voltage signal to accurately sense moisture at the front of the bale chamber. Built in encoder provides baling rate. Built in encoder provides baling rate.



3 Optional Microwave Moisture Sensors

Positioned at back of bale chamber (shown) for artificial moisture applications. Additionally, can be positioned in pre-compression chamber for improved preservative placement in bale



7 Optional Hay Indicator (Crop-Eyes) End of Row Shut-Off Sensor

Automatically turns applicator on/off when enter/exiting windrow



4 Optional GPS Antenna

Records position of bale and adds it to job record





Display (not included)

Improved functionality for ease of operation, integrates through most baler virtual terminals.

H2O Precision Moisture Only Sensors

The most efficient, cost-effective moisture monitor with accurate readings, the H2O Precision Moisture Sensor from Harvest Tec is the answer.

The moisture sensor uses the operator's Apple or Android smartphone or tablet as the monitor. The H2O control is mounted in the cab and connects via the charging cable to your device, along with the free H2O App from Harvest Tec.

Precision Moisture Sensor Features and Benefits

- Displays instantaneous moisture
- Add-on kit is available to provide last bale average moisture (required for fixed chamber round balers)
- Rugged disc plates and star wheels are designed for long-term use with minimal wear
- Simple to use H2O App is free to download from the App Store or Google Play Store
- Only on-baler moisture sensor for round balers to read up to 60% with reliable accuracy

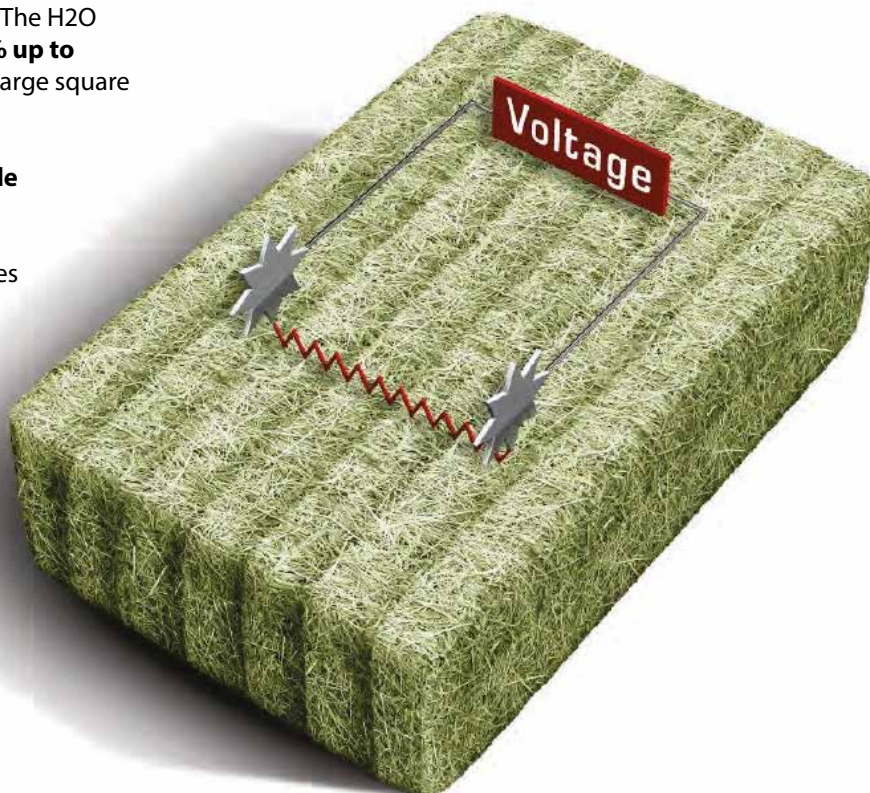


Small and Large Square Balers

Two star wheels are mounted in the bale chute. The H2O System will **read crop moisture levels from 5% up to 33%** on small square balers and **up to 60%** on large square balers.

Features Of The New Hardwire Display Include

- Security of a hardwired solution
- Built-in tablet/smartphone charging capabilities
- Cellular data not required



Round Baler

The H2O System includes two sensing discs, one mounted on each side of the baler's sidewalls inside the bale chamber read crop moisture side-to-side from 5% up to 60% for round balers.

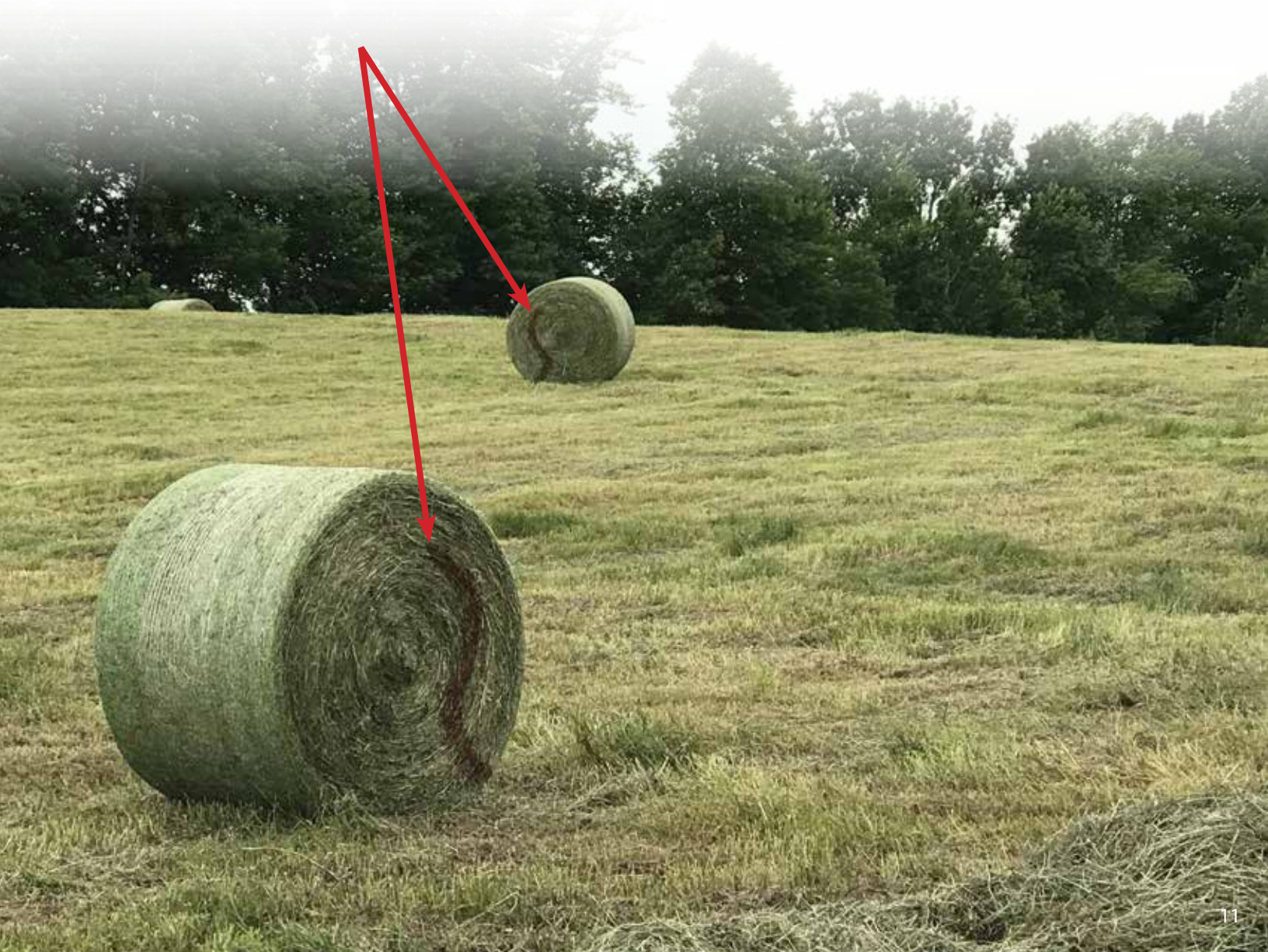
Features Of The Hardwire Display Include

- Security of a hardwired solution
- Built-in tablet/smartphone charging capabilities
- Cellular data not required



Optional Dye Marker

With the H2O Dye Marker added to the H2O Moisture Sensor, any bale above a set moisture level is marked with a red, food-grade stripe. The bale is marked as it leaves the chamber, allowing the operator to easily identify those bales that are above their own moisture threshold. Operators can also manually mark bales with the push of a button.





**Safe, Innovative Baling
At High Moistures**

Maximize the number of acres baled per day with a chemically-buffered form of propionic acid formulated to prevent spoilage of valuable hay crops. Baler's Choice® hay preservative from Harvest Tec is gentle on your baler with a pH of 6.0 that is as neutral as rainwater, yet it is just as effective as straight propionic acid. And, it works on all types of hay, including alfalfa, grass and other crops susceptible to decay at higher moistures.

Better Bale Quality

Hay baled at higher moistures can heat and spoil. Baler's Choice® hay preservative will treat hay with up to 30% moisture.

HAY MOISTURE	DAMAGE
16% - 22%	Hay discoloration and odor can occur
23% - 26%	Hay temperature can climb to 120° F in storage; mold will begin to form and quality drops significantly
Over 27%	Can result in temperatures over 140°F; hay can turn black and combust

**Baler's Choice® is the only
hay preservative that is
endorsed by Harvest Tec.**

**Calculate the
Baler's Choice® Benefits:**

- Greener hay with higher feed value
- No more waiting on the weather. Bale when you're ready at moistures up to 30%.
- Works well on all types of hay.
- Non-corrosive formula won't harm the baling equipment, operators or livestock.
- Store treated hay for years. It will look and feed as fresh as when it was first baled.
- Store product outside. Baler's Choice® won't freeze or lose effectiveness over time.
- When compared to other preservatives, Baler's Choice® is smarter:
 - Easier to apply
 - Gives more consistent coverage
 - Won't clog application equipment

**Baler's Choice® is a registered
trademark owned by Harvest Tec**

Baler's Choice® Is Available In Four Sizes For Any Size Baling Operation.

BALER'S CHOICE® HAY PRESERVATIVE CONTAINER SIZES	
Totes	1,800 lbs/200 gal* (818 kg/757 L) 2,380 lbs/270 gal (1,082 kg/1020 L)
Drum	450 lbs/50 gal** (204 kg/189.3 L)
Mini Drum	120 lbs/15 gal** (54 kg/50.5 L)

* Not available in Canada

** Not available in California

- 200 or 270-gallon tote goes a long way and is preferred by larger square baler operators.
- 50-gallon drum is enough for any size baler and will treat up to 100 tons of hay.
- Easy-to-store 15-gallon drum works well for smaller operations.



Safe, Cost-Effective and Smart

Bales treated with Baler's Choice® yield more tonnage, have a higher relative feed value and are safer for all livestock. Propionic acid, the main ingredient in Baler's Choice®, is an organic acid occurring naturally in a horse's gastrointestinal tract. In ruminants, propionic acid is produced by rumen bacteria, so it is beneficial in the digestive process.

Practical Application

Gentle and effective, the ingredients in Baler's Choice® will not cause corrosion on your baling equipment. When paired with approved Harvest Tec applicators at the recommended application rate, you can be assured of maximizing your hay baling productivity year after year with Baler's Choice®.



BALER'S CHOICE® HAY PRESERVATIVE INGREDIENTS

Active Ingredient

Propionic Acid	64.5%
Citric Acid	5.0%

Other Ingredients

Ammonium Hydroxide, Deionized Water, Sorbitol, Green Dyes	30.5%
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EPA Registration #73877-1-39376	Total 100%
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APPLICATION RATES

LARGE SQUARE BALES

Hay Moisture	Stem Moisture	Dew Moisture Only
Under 22%	6 lbs/ton	3 lbs/ton
23% - 26%	10 lbs/ton	8 lbs/ton
27% - 30%	DO NOT BALE	16 lbs/ton

SMALL SQUARE AND LARGE ROUND BALES

Hay Moisture	Stem Moisture	Dew Moisture Only
Under 22%	4 lbs/ton	2 lbs/ton
23% - 26%	8 lbs/ton	6 lbs/ton
27% - 30%	16 lbs/ton	12 lbs/ton

Not recommended on any hay above 30% moisture.

Accessories

Make Better Hay With Precision Products

From high-quality products like Baler's Choice® hay preservative to worry free automatic applicators with moisture sensors, to GPS and Field Mapping, proficient pumping systems and integrated displays, Harvest Tec products help you work smarter to get the job done.

Moisture Dye Sprayer Kit

The Dye Sprayer Kit is a simple and effective way to mark wet areas on square bales. Compatible with any 700 series Automatic Applicator on round, small, and large square, the three-gallon system is mounted near the bale chamber with the spray tips on the side or top of the bale chamber. Easy to fill and service, one tank of dye mix (part number 009-800) can last through a full tak of Baler's Choice® hay preservative and is adjustable from 8% to 72% moisture on small or large square bales.

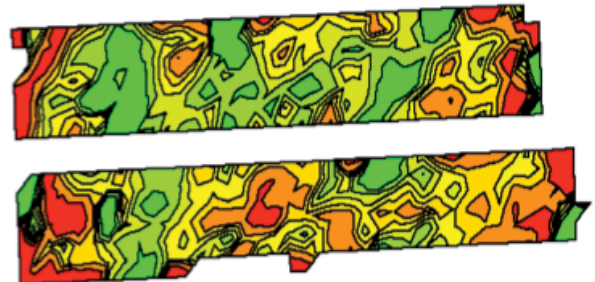
While working, if the moisture exceeds the predetermined moisture limit, the system sprays a food-grade, red-colored dye that visibly marks the exact location of the wet spots within the square bale or the side of the round bales that exceed an average bale moisture limit. This allows for a quick and easy reference to better manage bales for feeding, sorting, or storage.



GPS and Yield Mapping

An additional GPS package for your baler is available to take your productivity to the highest level. By incorporating the 780GPS receiver from Harvest Tec into the 700 Series Automatic Applicator, the system will record the coordinates of the exact location the bale was tied off in the field to the job record.

Using this technology, the producer now has the ability to create yield maps for their crops, which will allow them to gain the knowledge needed to maximize productivity and plan for future yields.





4GPM Electric Transfer Pump

This standard 12V pump will transfer Baler's Choice® at a rate of four gallons per minute.



Hand Transfer Pump

Inexpensive, this hand transfer pump is ideal for transferring small amounts of preservative easily.



Electric Transfer Pump

For a rapid transfer rate of 14 gallons per minute, this pump will get the job done quickly.



Field Ready Display Kit

Easily plug-and-play a dedicated display kit to all 700 Series applicators and moisture sensors. Kit includes Android/iPad tablet, case, RAM mount, and both Precision Baling App and H2O Precision Moisture Sensor App by Harvest Tec.



Hay Indicator Kit

A great addition to your Baler's Choice® Preservative System. The kit consists of two eyes that mount on the baler's pickup head. The eye kit senses when crop is passing through and automatically starts and stops preservative application.



ISO Integration Harness

Optional integration harness for all 700 Automatic Applicators allows operator to display applicator functions through a dedicated ISOBUS Virtual Terminal.



Harvest Tec

Let's Grow Together.

Check out our full hay and forage solution lineup
and more by visiting our website: **HarvestTec.com**



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Harvest Tec Selection Guide

Scan the QR Code to see our full Selection Guide.

We can't wait to find the right hay solution for you!