

Introducing the HayBoss G2™



What's new?

The HayBoss G2 comes standard with all the great features of the original HayBoss™ and now includes the precision information processor with additional memory, removable USB memory device and the exciting new capability to plug in expansion modules that will take your large square baling operation to a whole new level of precision.



HayBoss™

G2

Precision Hay Production System
for Large Square Balers

Featuring:

**Automatic Hay Preservative
Application Control with
Touchscreen In-Cab Monitor**

and

**The New HayBoss G2
Precision Information Processor**

*Like the original HayBoss, the G2 comes complete
with tank, frame, wiring, plumbing, and
mounting hardware.*

Patent No. US 7,415,924 B2

Expansion Modules for HayBoss G2

Individual
Bale
Identification

TBA

TBA

Expansion Modules for HayBoss G2

Put your Boss to work for you.
Select one, two, or all three expansion
modules for your HayBoss G2 to
customize your large square baling
operation to the level of precision
you require.

Individual Bale Identification Expansion Module

This is where the future of the hay
industry is headed. With the addition
of the Bale Identification Module to
your HayBoss G2, you can prove the
value of your hay over your
competition.

Available First Quarter 2009

Patent Pending

Look for product announcement
later in 2009

Look for product announcement
later in 2009

Precision for Large Square Balers

Once again AGCO takes the lead in bringing precision farming to the operators of their advanced line of farm equipment. With the introduction of the HayBoss G2 producers will have even more control of the quality of their bales.



HayBoss G2 shown with new G2 Precision Information Processor and Individual Bale Identification Expansion "Tagger" Module

How Does the HayBoss G2 Work?

HayBoss G2 comes with an additional Precision Information Processor (G2PIP) that will accept expansion modules. The G2 will still accurately control preservative application just like the original HayBoss, but will also use the information from the applicator-mounted processor for use with the new G2PIP and expansion modules.

Adding an Expansion Module

The Individual Bale Identification Expansion Module is the first module available. This exciting module is a bale chamber-mounted tagging device that permanently attaches a Radio Frequency Identification (RFID) tag to every bale. Tags can then be read at any time with a scanner. The tag contains a microchip that stores information specific to the bale.

The G2PIP Internal Memory Stores:

- Date
- Time of Baling
- Job Name
- Individual Bale Records
- Total Tons Baled
- High and Average Moisture
- Preservative Used
- Bale Weight

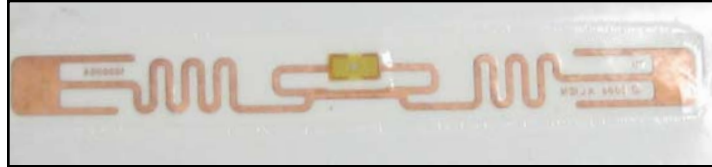
The Bale Tag Stores

Individual Bale Records by:

- Bale Serial Number
- Name of Field Bale Came From
- Date and Time Bale Was Made
- High and Average Moisture
- Amount of Preservative Applied
- Bale Weight

AGCO is not stopping here. Future expansion modules are planned to provide additional information for the progressive hay producer.

Individual Bale Identification Expansion Module



The Individual Bale Identification expansion module comes with the chamber-mounted tagging system, “The tagger.” The tagger lifts the twine and wraps a tag securely around the twine. One tag is applied per bale. The tag contains an antenna for receiving information and a microchip for storing that information. The tagger unit has a radio frequency transmitter and antenna. As the tagged bale passes the antenna, the information collected by the G2 Precision Information Processor (G2PIP) is transmitted to the receiver in the tag and stored in the tags memory.

Reading the Tag:

To read tags, you will need to use a scanning device. Use the scanner in two different ways to scan bale tags:

Hand-Held

The battery powered scanner is being operated as a hand-held unit in the bottom left photo. The tag does not have to be visible, but you must be within five feet of the bale for the scanner to pick up the information on the tag. The scanner will display the information on that individual bale’s tag on the scanner’s screen.

Loader-Mounted

The hand-held scanner can also be mounted on a loader with a ram mount so the screen is visible to the operator. When loader-mounted, the scanner will read information on bale tags on up to three bales at distances up to ten feet away. Additional antennas come with the loader-mount kit, enabling the operator to read the tags at a greater distance.

The scanner will allow the producer to group bales, giving the operator a chance to accept or decline bales for a group, such as a stack or truckload. The group information is saved and copied to a removable USB memory device that can be downloaded onto a computer to later print out or use for record keeping.



Frequently Asked Questions

1. How is the HayBoss G2 different from the original HayBoss?

The new HayBoss G2 does everything the original HayBoss did, but now comes with additional memory for recording more bale information and provides a means for downloading bale information. But, the biggest change is that the G2 is capable of accepting valuable new expansion modules that will allow the quality hay producer a better means of managing and monitoring his hay operation. The HayBoss G2 is only available for large square balers.

2. What are the new expansion modules that the G2 will accept?

The Individual Bale Identification module will be the first module to be released. This module consists of a chamber-mounted tagging device that applies a Radio Frequency Identification (RFID) tag to each bale as it is made. Harvest Tec and AGCO engineers are working together to coordinate even more precise information on bales and bale records. Later in 2009 we will announce more expansion modules that will plug into the HayBoss G2.

3. How is the bale information transmitted to the tag on the bale?

The information collected and stored by the G2 Precision Information Processor is broadcast to an antenna that comes with the Tagger. As the tagged bale passes near the antenna, the tag's antenna receives the information on the bale and stores it in the tag's memory chip.

4. How do you read the information on the tag?

A scanner will need to be purchased to read the tag. The scanner can be used in two ways: hand-held or loader-mounted. In hand-held operation, the scanner will read bales at a distance of five feet. The tag does not have to be visible in order to be read by the scanner. Information about the bale is displayed on the scanner's screen. It comes with a removable USB memory device so bale information can be transferred to your computer. The hand-held scanner can also be mounted to a loader. Using the scanner in this way allows the operator to scan 1 to 3 bales at a distance of ten feet. A removable USB memory device can be used to download the bale information to your computer into an Excel document.

5. How much does a tag cost? 60-70 cents per tag.

6. What kind of information will the scanner read?

The bale tags contain the following information on each individual bale: Bale serial number, name of field bale came from, date and time bale was made, high and average moisture, amount of preservative applied, and bale weight.

7. When and where to use the scanner?

Use the scanner in loader-mounted position when grouping bales. Information for each bale is displayed allowing the operator to place like bales in groups based on moisture, field, date, etc. So, let's say the operator is stacking bales by moisture and he comes across a high moisture bale, he can reject that bale as part of his stack. In this way the operator is going to be able to group bales more consistently. Or use the scanner to load trucks. Now you can give your customer the hay that they asked for. Load trucks with tagged bales sorted by field, moisture, etc. The scanner can also be used in hand-held mode when feeding bales out. Any tagged bale can be scanned at any time and will give you the information for that bale. After bales have been grouped or a truck loaded, the scanner will allow a download of the list of bales in the group or on the truck.

8. Who will purchase the new HayBoss G2?

Most of the AGCO large square balers purchased in North America are currently being equipped with a HayBoss. This same type of operator will purchase the new HayBoss G2 system, which is only a few hundred dollars more than the original HayBoss. Even if these owners do not purchase the Individual Bale Identification expansion module with their new HayBoss G2 right away, they will always have the option to add an expansion module to the G2. As bale tagging becomes the accepted practice, all operators will want to add this feature.

9. Who will be the first purchasers of the Individual Bale Identification expansion module?

Producers who sell high quality hay for a premium price will be able to offer more quality control and more information on the hay they produce with tags on the bales. As hay buyers see the availability of this feature, they will demand it. Immediate markets are for producers selling top quality dairy hay, organic hay, or round-up ready alfalfa.