

TIGHT, WELL-CONSTRUCTED BALES | POST-HARVEST IS CMI TIME

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DECEMBER 2013

# CANADIAN FARMING

**+ TOP 10  
HOLIDAY  
GIFT IDEAS**

THERE'S A  
REASON SANTA  
WEARS RED



AGRONOMIC DESIGN

MAKING EVERY **SEED** COUNT



# YOUR OPERATION IS BUILT FROM THE GROUND UP.

At Case IH, we understand that better yields start with better growing environments. That's why all of our equipment, like our new Ecolo-Tiger<sup>®</sup> 875 Disk Ripper, is agronomically designed to help you get the most out of every seed and every acre it grows on. The Ecolo-Tiger 875 is engineered to size tough harvest residues, fracture root-limiting compaction and leave fields level. With better rooting and seedbed environments, plant stands can utilize more nutrients, water and sunlight, helping to create better yields. The world of farming is changing. Will you be ready? Learn more at [caseih.com](http://caseih.com).



ECOLO-TIGER 875  
Tiger Point

AGRONOMIC  DESIGN™

## BE READY.



**CASE IH**  
AGRICULTURE



# Case IH dealers are the front line

In every issue of *Canadian Farming*, we include profiles of producers who share their insights about steps they are taking to make their farming operations more efficient and profitable. Of course, Case IH equipment plays a role in their success, and we're always pleased to hear producers describe specific advantages Case IH equipment delivers.

But it's important to recognize that it's Case IH dealers who are ultimately responsible for sustaining these relationships and ensuring producer profitability. In your own operation, you're likely seeing your equipment needs evolve from simply selecting a piece of equipment, to depending more on the dealer's advice as to what piece of equipment will work best for you, when to make cost-effective trades, or how to further integrate precision farming technologies, for example.

A dealer's ability to provide solutions, along with superior product support, will increasingly be a primary factor in equipment purchase decisions.

At Case IH, we're working closely with our dealers to encourage their constant improvement on all fronts. We encourage them to be well capitalized, to invest in their people and facilities, to have ample parts inventories, and to be the leaders in customer satisfaction. And, we have structured our field organization to help dealers meet these goals.

Of course, we also count on our dealers to tell us what kinds of innovation producers need next, and why. With these insights, we pursue new solutions using Agronomic Design.

Agronomic Design is a common thread across all our equipment. It gives Case IH salespeople more insight into the role each piece of equipment plays, and how all the systems work together ... more information that's valuable to you. It enables you to maximize the economics of land use.

There are many other examples of this information leadership, such as AFS Academy where Case IH and Case IH dealers team up for exclusive training sessions for AFS Precision Farming equipment owners.

These are just a few of the strategies we, and our dealers, use in pursuit of our goal to help you Be Ready for the challenges and opportunities you face every day. One thing you can count on, there is a value-added, long-term relationship between Case IH and our dealers.

*Jim Walker*

**Jim Walker**  
Vice President, Case IH NAFTA



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## ON THE COVER:

The Case IH Agronomic Design initiative recognizes that crop production equipment exists to help each and every seed reach its maximum potential. Agronomic Design plays a role in the development of all equipment used throughout the entire crop production cycle. Here, a Case IH **Steiger Rowtrac 370** tractor is matched with an **Early Riser 1255** 24-row front-fold planter.

## TRADEMARKS

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# Making every seed count

CASE IH AGRONOMIC DESIGN INITIATIVE  
EMBRACES ALL ASPECTS OF PRODUCING A CROP

**T**he tight demand/supply situation for grains over the past few years has shaped a new view of production agriculture:

- Yields ultimately depend on weather, and weather can be uncooperative. This requires the ability to perform field operations faster, and more effectively.
- Productive cropland is limited. Most production increases must come from existing cropland.
- Higher yields are possible, but will require advances in seed technology and higher levels of management to nurture the crops.
- The world's demand for food continues to increase along with its population. These are among the realities that have led to the **Case IH Agronomic Design** initiative. It's the recognition that ultimately, Case IH crop production equipment exists to help each and every seed reach its maximum potential.

"At Case IH, we have a unique focus

and ability to find ways to help producers increase yields by managing the seed, soil and plant environment. Recognizing these processes as Agronomic Design allows us to tie together parallel activities with the shared focus of maximizing yields and the return on investment potential for our customers," explains Case IH Vice President Jim Walker.

"Agronomic Design provides a positioning point for new equipment development at Case IH," adds Bill Preller, Case IH Senior Director of Specialty Business. "We ask the basic question, 'How will this help produce a crop and increase yield?' Identifying an answer helps us bring forth new products that are going to improve owners' abilities to maximize the production of their land."

Even though the words "agronomic







## ADVANCES IN PRODUCTIVITY

design” imply equipment that interacts directly with soil, seeds and plants, Case IH applies Agronomic Design to all equipment involved in crop production.

Agronomic Design principles are illustrated in the Agronomic Design Wheel which segments crop production into seven stages. Each stage has its own unique requirements, as well as being intertwined with the next stage. For example, combine chopper settings impact **crop residue management**, which plays a role in **soil tilth**. **Seedbed conditions**, **seed placement accuracy** and **plant food availability** all affect plant emergence.

Early plant emergence and growth promotes a thick canopy that suppresses weed development which affects **crop protection** strategies. A clean crop is higher yielding and contributes to overall **harvest quality**.

“Agronomic Design focuses on how our equipment will support the crop’s journey from the seed bag to the grain cart,” Preller says.

Agronomic Design recognizes the shared aspects of crop production as well as the actions specific to each step. For example, timeliness is critical for all stages, and Agronomic Design applies to virtually any equipment feature that maximizes uptime. Faster travel speeds for tractors, larger fuel tanks to run longer without refueling, planter hoppers uniquely designed to reduce tendering

times, and wider implements or implements that are effective at faster working speeds are among these examples.

Compaction is another common thread that’s addressed in Agronomic Design. Here, solutions range from desirable tire size options and overall weight balance to innovative new designs such as the Steiger Rowtrac models.

Case IH AFS **Precision Farming Systems** provide input, data and control at every stage of the crop production cycle. Yield maps, especially, will be increasingly valuable as high-potential areas in fields are challenged to reach maximum yield through variable-rate applications of seed and fertilizer.

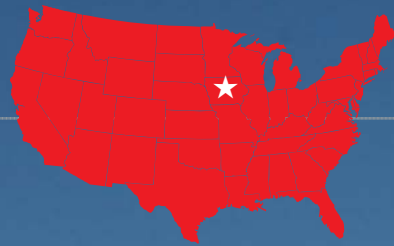
Case IH field specialists ... the “red shirts in red trucks” ... understand the full scope of Agronomic Design. “A tillage product specialist, for example, recognizes the role that tillage plays throughout the entire crop production cycle,” Preller says. “Each specialist is an expert on his or her products, and, through the Agronomic Design initiative, they also know how all the products and systems interact to maximize productivity and yield.

“Agronomic Design is exciting,” Preller continues. “It positions the way that Case IH, through its equipment and its people, will provide the products, the technology and the support needed by North American agricultural producers to meet the growing global food challenge.” ■

*Upcoming issues of Farm Forum will look at individual stages of the crop production cycle and how Agronomic Design makes each stage more efficient and productive.*







**Moving corn**  
View Doolittles' corn harvest  
operations here.  
(3:04)



# Efficiency throughout

CURRENT EQUIPMENT AND TECHNOLOGY SHINES  
IN THE HEART OF CORN COUNTRY.

+ Dennis and Eric Doolittle take a break with  
Eric's wife, Krystal and their son Callum.



## CASE IH OWNER PROFILE

**L**ike many progressive Midwestern farmers, Dennis Doolittle has adopted new equipment, technologies and practices throughout his career that now allow a level of productivity unimagined when he began farming with his father after graduating college in 1969.

By steadily acquiring more acreage over the years, Dennis and his son, Eric, of Williams, Iowa, now farm corn and soybeans in a modern and large-scale operation that reflects their underlying desire to do a good job of farming for themselves and the

landowners they work with.

“We rent a lot of the farms we operate, and we’re fortunate to have very good landlords. We take pride in what we do and try to do things the right way,” Eric explains.

Precision farming technologies

have played a big role in helping the Doolittles be more efficient producers. They have been longtime site-specific yield mappers. For the last several years they have shared their data with a crop consultant who works with a handful of similar

### + PLANTING FOR EFFICIENT HARVEST

In a part of the country where corn-after-corn has become common, the Doolittles say they continue to prefer corn-soybean rotations.

And with land spread out over several counties, they have developed a system of planting crops and varieties with an eye on efficient harvest.

“Twenty years ago, we’d farm every quarter section as 80 acres for corn and 80 for beans. That’s not the case now,” Eric says.

“We’ve streamlined our farms to plant in ‘pods’ of one crop or the other for efficient harvest. We make a loop that’s more efficient for us. It’s taken quite a bit of time to get this organized, but it’s better.”

**+ The Doolittles use a grain cart and grain wagons to move corn away from their pair of Axial-Flow 8230 combines.**



producers from different parts of Iowa.

“This gives us good comparisons throughout a broad area so we can make more informed opinions about varieties, tillage, everything,” Eric says. “This has been an awesome move for us, to gain new ideas and open our eyes to things we might not have tried otherwise.”

The Doolittles have moved to an all-Case IH precision farming system, using the **AFS Pro 700** displays for yield monitoring, mapping, **AFS AccuGuide** autoguidance with a CenterPoint RTX signal, and managing planter functions including row shutoffs.

“We like the Pro 700 displays because



## CASE IH OWNER PROFILE

they can do so much, and we don't have all the clutter of wires and multiple monitors," Eric says.

The move to the Pro 700 displays has come as the Doolittles have brought more Case IH equipment into their operation. Dennis says he's used red tractors throughout his career, starting with the IH 1456 tractor he bought in 1970, but only recently have they adopted Case IH tillage, planting and harvesting equipment.

The changes have come about as they made comparisons against the equipment they'd been running, and found the Case IH products to be a better fit for their operation.

With heavy black Iowa soil comprising much of their acreage, the Doolittles say it's worthwhile for them to deep-till every acre following corn to manage residue, leave the soil open over winter, and promote faster warm-up in the spring.

After running several other brands of rippers, they now use a Case IH **Ecolo-Tiger 870** disk ripper. "I'm really impressed with the rolling basket in the back," Eric says. "It leaves the field nice and smooth heading into spring; we're not dealing with big clods. It's the best deep tillage tool we've used, by far."

The Doolittles use chopping heads on their combines, so the disk ripper is able to work as a first-pass

### + CENTERPOINT RTX FOR DIRECT SIGNAL ACCURACY

The CenterPoint RTX signal gives the Doolittles 1.5-inch repeatable accuracy directly from the satellites, without requiring a base station or cellular signal. This is an advantage for working farms that are spread out geographically, and in areas where cellular service may be spotty.

By being both GPS and GLONASS compatible, the system combines all satellites working together to deliver reliable location data. Corrections are delivered directly to the **AFS-372 GNSS receiver** for positioning and guidance information through the AFS Pro 700 display.

+ The Doolittles say running grain train wagons instead of semis is more efficient for them to move corn at harvest.



tool after the combine, although they commonly spread dry fertilizer prior to ripping.

In the spring, immediately prior to planting corn, they run a pair of Case IH **Tiger-Mate 200** field cultivators over the fall-ripped ground. "These smooth the field and give us an excellent seedbed to plant into," Eric says.

The Doolittles say both of the Case IH tillage tools have a robust design for minimal downtime. And, Eric says they're impressed with the depth control performance of the 60-foot field cultivators. "It's easy to adjust them for uniform depth across the entire width," he says.



### Side-by-side planter test

In the spring of 2012, the Doolittles' Case IH dealer encouraged them to try a **Case IH 1200 Series** planter in a true side-by-side comparison with the planter they were running. They agreed, and did a test on the same day, in the same field, with the same variety.

The result: "We saw a lot better spacing, more equal depth and better population control with the Case IH planter," Eric says. "The crop emerged faster, and we had more plants out there."

At harvest, the corn planted with the Case IH planter yielded 8 to 10 bushels more. "That's a lot of money. It made the decision to trade fairly easy."

Based on those results, the Doolittles traded their three 16-, 24- and 32-row planters for three Case IH Early Riser 1200 Series Case IH front-fold planters of the same size, all on 30-inch rows.

Each planter has a specific role. About 10 percent of their corn is seed corn, and they use the 16-row planter equipped with individual row hoppers and Smart Boxes for those fields.

The 24- and 32-row planters, both with bulk fill, handle both corn and soybeans. The 24-row planter is very versatile, Dennis says, and the 32-row planter is highly productive in bigger fields with long rows.

The 32-row model includes the steerable rear axle to aid maneuvering in and out of tight fields. "That's a nice feature

my previous 32-row planter didn't have," Eric says.

At harvest, the Doolittles use a pair of Case IH **Axial-Flow** 8230 combines equipped with model 2608 eight-row chopping heads and AFS RowGuide sensors for autoguidance, and 35-foot model 3162 flex draper heads.

Now on their third set of Axial-Flow combines after years with another brand, Eric says they are impressed with the Axial-Flow combines' capacity and simple operation. "They're easy to run, easy to adjust on the go, and have a superior cleaning system," Eric says.

Dennis adds that the Axial-Flow combines they have owned have been extremely trouble-free. Their current models are Tier 4A compliant, using the Case IH SCR-only **Efficient Power** system. They have also had several Tier 4A compliant **Magnum** tractors. "They don't consume a lot of DEF, and the oil stays clean," Dennis notes.

Strong Case IH dealer service underpins the Doolittles' move into more Case IH equipment. "It takes good service to support this type of equipment, and our Case IH dealer has it. They have good people, they are honest and knowledgeable," Eric says.

As they have added acres, the Doolittles have sought unique new ways to be more efficient. For example, running the disk ripper over several thousand acres takes a lot of time, but they have found two

retired brothers who look forward to keeping the ripper running, day and night.

Similarly, they trade off some fieldwork with several friends who help them harvest with their own combines.

In addition to several good full-time employees, the Doolittles rely on several retired farmers to help haul grain in the fall. This is a reason why they run tractors and wagons, rather than semis. "These guys are comfortable running tractors. They are good operators, and reliable.

“

Already, we're seeing how variable-rate fertilizer allows us to be more economical ... we're at the tip of the iceberg with this.”

It's harder to find part-time people with CDLs," Eric says. And, with the 30-mph transport speeds of their current Magnum tractors, the tractor/wagon combinations can deliver comparable cycle times over short to moderate distances.

### Putting technology to work

Looking ahead, the Doolittles anticipate putting more technology to work. Each year's worth of yield maps

gives their crop consultant more data for better recommendations. Their integration into the **AFS Precision Farming** system as their common platform is making overall management of data-based functions, including variable-rate applications, easier.

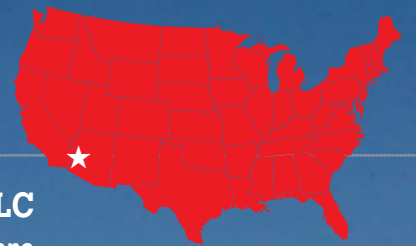
"Already, we're seeing how variable-rate fertilizer allows us to be more economical by putting nutrients where they belong," Eric says. "We're at the tip of the iceberg with this."

They have changed their nitrogen program by reducing the amount of fall-applied nitrogen and instead applying more, through sidedressing, as the crop grows. "We've decided to spread out the applications, as nitrogen is expensive, and we need to make sure it's doing what it's supposed to," Eric explains. He adds that new application options give them more flexibility for the post-emerge applications. "We're not limited to just dragging an anhydrous bar," he says.

He's also looking harder at herbicide resistance for weeds including waterhemp and pigweed in soybeans. "Controlling them is becoming a major issue for us," he says. One option he's considering is moving to 15-inch rows for beans to gain the faster canopy to suppress weed growth.

"We did a fair amount of row-crop cultivating in beans this year, but that doesn't get them all, and we want to have pride in how these fields look," he says. ■





Desert Premium Farms LLC  
Yuma, Arizona

# Tight, *well-constructed* bales

AN LB434 BALER'S HIGH CAPACITY AND TIGHT BALES  
GIVES AN ARIZONA PRODUCER MORE OPTIONS FOR HAY  
AND STRAW SALES

John Boelts

Boelts describes the features he was  
looking for in a large square baler.  
(1:21)



**W**ith abundant sunshine, ample irrigation water and warm temperatures year-round, farmland around Yuma, Arizona, is challenged to produce two and three crops of vegetables per year. The romaine lettuce, cantaloupes, onions, edible beans, black-eyed peas and other crops John Boelts grows on 1,500 acres spread across several farms in the Yuma Valley help meet North America's appetite for wholesome and nutritious food grown to high and accountable quality standards.

These crops also require rotations every few years to give the land a rest and to keep potential soil-based diseases at bay.

Hay crops are a natural choice for rotations. Boelts, who had long relied on a custom operator for his hay operations, decided in 2012 to handle the cutting and baling himself.

"Timing was the main thing," he says. "We were working with a good operator, but now we can make hay totally on our own schedule."

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*John Boelts and his partner, Kent Inglett, operate Desert Premium Farms LLC based in Yuma, Arizona.*

**+ Boelts uses the Case IH LB434 Series baler to bale a variety of crops used as rotations for his vegetable operations.**

Timing is critical, as Boelts had entered a contract to provide hay to a large dairy near Phoenix with specific quality expectations. Cutting and baling at optimum times captures maximum protein and palatability.

**The optional steered tandem axles provide good maneuverability with minimal soil disturbance.**

(0:39)





Large bales are the logical choice for mechanical handling and efficient highway transport. Boelts looked at several large balers on the market, including some models popular with Western commercial operators, and settled on the newest model in the Case IH large baler line: the **LB434** large square baler.

One reason, he says, is the ability of this baler to produce tight, well-constructed bales in a variety of crops.

“We don’t just do alfalfa,” Boelts says. “We bale wheat straw, sudangrass and a bit of milo straw, so we were looking for a machine that would work well for all of these crops.”

He says they demoed other balers with similar features, but settled on the LB434 baler in part for the way it could package these lightweight crops into 1,000-pound bales. “That takes a

A busy baler

With a long growing season and the need for good crop rotations to support vegetable crops, John Boelts keeps his baler busy. Here’s his estimate of a year’s use:

Crop	Average yield	Acres*	Tons
Alfalfa hay	11 tons/acre	325	3,600
Milo straw	3 tons/acre	100	300
Sudangrass	7 tons/acre	400	2,800
Wheat straw	2.5 tons/acre	600	1,500
		1,425	8,200

\*Includes multiple cuttings

“This baler has increased our ability to market wheat straw because we can get a full truckload of bales.”

pretty robust machine, and this does it very well. I’ve been very pleased,” Boelts says.

“It’s increased our ability to market wheat straw bales because we can get a full truckload of bales,” he says.

This new baler has also provided a more competitive option for export of sudangrass. Boelts says sudangrass for export typically works better in small bales, but now, with this new baler,



Boelts describes the expanding role hay and other baled products will have in his operation with the capabilities of the LB434 baler.

(1:11)

he’s able to offer big bales with enough weight for efficient shipping.

The LB4’s ability to handle light materials as well as heavier crops is a result of its “matched capacity” design in which all systems are sized to work together, efficiently.

For example, the pickup system is the width of the bale chamber to let the crop transition smoothly in the chamber.

Heavier-duty, more durable components are used in the LB4 Series balers compared to the previous LB3 Series balers for increased durability and the ability to perform in a wide range of crops.

The flywheel in the LB4 Series

balers is larger in diameter to maintain a higher level of inertia for smoother operation as loads vary. It runs faster, at 48 strokes per minute, compared to the LB3 Series at 42 strokes. The speeds of other components have been increased as well to provide a bales-per-hour increase of up to 20 percent and increase in bale density of up to 5 percent compared to the LB3 Series.

Throughout, this baler is designed for commercial-scale production. Indeed, just for his own use, Boelts has kept the baler plenty busy. Thanks to his area’s year-round growing season, during the nine months he’s owned the baler,

Boelts describes the ability of the LB434 baler to produce tight bales and why that’s an advantage for him.

(0:58)



Boelts figures he has produced more than 8,000 bales. “The reliability has been excellent,” he says.

Daily service is made easier with a standard central lube system that continually provides oil to drive chains, and an automated greasing system that delivers grease to critical components. “There’s a lot going on with this baler; I’m glad it has this automated system,”

Boelts says.

Case IH recommends matching the LB4 Series baler to a tractor of at least 125 PTO hp (150 PTO hp with the optional rotor cutter). During *Canadian Farming’s* visit, Boelts was using a Case IH **Puma 200 CVT** tractor. Rated at 175 PTO hp, it easily handled the baler in the light late-season alfalfa Boelts estimated was yielding about a ton per acre.

### **+** SINGLE-MONITOR CONTROL WITH THE AFS PRO 700 DISPLAY

The LB4 Series balers can be monitored and controlled with the Case IH AFS Pro 700 and AFS Pro 300 displays. Both are full-color displays that track baler-specific operations including bale weight, moisture monitoring and bale density.

The full-featured AFS Pro 700 provides additional information such as baler load monitoring to assure efficient baling in all crop conditions, and the ability to display the specific information you want to monitor during operation. An optional rear-view camera mounted on the baler displays through the Pro 700 screen.

The Pro 700 display can log GPS data onto a USB drive so that you can analyze and map field and bale information using desktop software.

The Pro 700 display works with all Case IH AFS compatible equipment including tractors, combines, pickers, planters, air carts, sprayers and floaters, and can be transferred from one machine to another, saving the cost of having multiple displays. It is backward compatible to manage any equipment previously fitted with AFS Pro 200 or AFS Pro 600 displays.

Both the AFS Pro 700 and Pro 300 displays provide integrated control of any ISO 11783 VT-compliant ISOBUS implements through the single screen, including non-Case IH implements.

**[Learn more about Case IH displays here.](#)**



**+** The LB434 baler provides good service access including a sturdy folding ladder to the top of the baler, and large easy-opening service panels. The baler holds 16 balls of twine on each side.

He was baling at a brisk 6 to 8 mph, and confident in the baler’s performance at that speed based on information from the Pro 700 display. It provides detailed baling monitoring, including chamber load information. “The monitor has ‘load ranges’ on it to let me know that I’m producing a nice uniform bale,” he says.

Steering sensors on each side of the pickup monitor windrow position and provide visual steering guidance on the Pro 700 display.

A rotor cutter is a popular option for the LB434 baler, and produces bales with the material cut into short lengths for increased palatability.

“We looked at the cutter options, but between the rotary head on the swather, and the performance of the baler, our dairy customer is satisfied with the overall quality and leaf retention,” Boelts says.

The swather he refers to is a Case IH **WD2303** swather equipped with a 16-foot disc mower he purchased as part of his move into self-sufficient hay harvesting. In addition to the speed and capacity disc mowers are known for, Boelts says the WD2303 has ample power and, importantly, good air conditioning.

“I can’t say enough about this swather,” he says. “It’s simple, and that powerplant ... we threw 7-foot tall sudangrass at this swather that was yielding 4 tons per acre in 120-degree summer weather, and it performed really well. There were no cooling issues, and the air conditioning blew like ice. This cab is large with a lot of glass, and the air conditioning does fine.”

Boelts says capable dealer service and competitive **CNH Capital** financing have both contributed to the positive experience he’s had with the baler and the swather.

“We have a great Case IH dealership here,” he says. “They’ve been right out with good mechanics to take care of the few things that have come up. They’re well-respected in this area and manage their business the right way to take care of their customers.” ■

**LB4 Series Video** **+**  
See an overview of the LB4 Series baler here.





## HIGHER YIELDS START AT GROUND LEVEL.

Preparing fields for planting begins after harvest. Reach higher yields with a tillage solution that is rugged, productive and agronomically designed to properly condition soil and residue. Case IH knows that every individual plant counts towards your bottom line. Our hard working disk harrows, field cultivators and vertical tillage tools unlock your soil's potential. Visit your local Case IH dealer and invest in your next harvest today with Case IH tillage tools.

**0.5%** **FOR 36** MONTHS\*

on select new Case IH tillage equipment.  
Find out more at [caseih.com/Specialoffers](http://caseih.com/Specialoffers)

**BE READY.**

330 Vertical Tillage (shown) for Spring or Fall use

**CNH CAPITAL**

For commercial use only. Customer participation subject to credit qualification and approval by CNH Capital Canada Ltd. See your Case IH dealer for details and eligibility requirements. Offer valid on Model Year 2014 Field Cultivators, Disk Harrows and Vertical Tillage equipment. Down payment may be required. Offer valid through December 31, 2013. Not all customers or applicants may qualify for this rate or term. CNH Capital Canada Ltd. standard terms and conditions will apply. Canada Example: The interest rate will be 0.5% per annum for 36 months. Total contract term is 36 months. Based on a retail contract date of November 15, 2013, with a suggested retail price on a 25 foot True Tandem 330 Turbo of \$62,316.40, customer provides down payment of \$12,466.40 and finances the balance of \$49,850.00 at 0.5% per annum for 36 months. There will be 2 equal annual installments of \$16,783.11 each, the first due on November 15, 2014 and final installment of \$16,783.11 due on November 15, 2016. The total amount payable will be \$62,815.73, which includes finance charges of \$3,499.33. Taxes, freight, set-up, delivery, additional options or attachments not included in suggested retail price. Offer subject to change or cancellation without notice.

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**CASE IH**  
AGRICULTURE



# NEW PRODUCTS

CASE IH CONTINUALLY INTRODUCES NEW AND UPDATED EQUIPMENT. HERE'S A LOOK AT SEVERAL NEW PRODUCTS THAT CAN BRING NEW EFFICIENCIES TO YOUR FARMING OPERATION.

## MAXXUM CVT

Maxxum models now offered with simple and efficient CVT transmissions

Three models of Case IH **Maxxum tractors** are now available with productivity-boosting Case IH Continuously Variable Transmission (CVT) technology.

The Maxxum 110, 120 and 130 tractors, at 90, 100 and 110 PTO hp, are full-featured tractors with the size and power to handle a wide range of field operations and livestock chores including loader work.

The CVT transmission makes virtually every operation more efficient by continually matching engine speed and transmission gear ratio for the best balance of power and economy. It does so with minimal input from the operator; simply move the MultiFunction Handle before or after to increase or decrease ground speed.

The CVT option brings several unique advantages beyond its

simple and efficient operation:

- Maintains ground speed. It holds the ground speed you set, to the limits of the available power and traction. This is beneficial for operations where consistent working speeds are desired.
- Seamless shifting. Case IH CVT technology combines the stepless speed variability of a hydrostatic transmission with the mechanical efficiency of a traditional gear transmission. Transitions throughout the speed ranges are barely noticeable to the operator, and a high percentage of the operation is in direct gear drive.
- Wide speed range including creeper. These Maxxum CVT tractors can travel as slow as 98 feet per hour, eliminating the need for an optional creeper transmission.

- Transport speed tops out at 30 mph.
- Active braking. With the CVT option, pulling back the MultiFunction Handle slows the tractor to a stop and will hold it, even on grades. On the road, for example, you can slow to a stop at a stop sign, maintain the position regardless of grade, then continue forward to full transport speed without touching the clutch or brake.

The Maxxum CVT models are Tier 4A compliant, using the simple Case IH SCR-only technology. The four-cylinder electronically controlled 4.5-liter engines include Power Boost which delivers up to 20 additional horsepower to maintain working speeds in tough conditions, or to provide more power for roading and for PTO and mobile hydraulic applications.

They feature the MultiControl Armrest which is also common to Puma, Magnum and Steiger tractors, making it easy for operators to switch from one model to another. The armrest moves with the seat, providing access to all tractor controls as the seat moves. The MultiFunction Handle is




Now available with infinitely variable and easy-to-use CVT transmission and premium cab features, Case IH Maxxum tractors have the size and power to handle a wide range of tasks.

upgraded with raised and backlit buttons.

Cab suspension is included on all models, as are new cab enhancements such as a new headliner control bank with new AC controls and storage slots and a tinted rear window. A deluxe radio option includes Bluetooth wireless technology.

These tractors can be easily equipped with three models of Case IH loaders. Especially with optional Turn Assist for faster steering response, these Maxxum CVT models make highly productive loader tractors.

Case IH Maxxum CVT tractor models			
Model	Rated PTO hp	Rated engine hp	Max. boosted engine hp
Maxxum 110	90	110	143
Maxxum 120	100	121	154
Maxxum 130	110	130	163

 [Learn more about Case IH Maxxum tractors here.](#)



# NEW PRODUCTS

## NEW ECOLO-TIGER 875 DISK RIPPER

Longer-lasting ground-engaging components

Primary tillage tools can look simple, but there are a lot of engineering and agronomic principles involved in producing a tool that can manage residues, shatter hardpan, and leave field surface that is a desirable combination of capturing and retaining moisture, warming and drying in the spring, and smooth enough to plant into without additional aggressive tillage.

The newest Case IH disk ripper, the **Ecolo-Tiger 875**, capably meets these challenges. It's based on a heritage of class-leading tillage tools with robust and agronomic-focused designs.

Like previous Ecolo-Tiger models, the 875 leads with two ranks of disk gangs to cut and size residue, followed by ripper shanks on 24-inch spacings to break hardpan compaction, opposing-blade disc levelers to spread residues and clods, and a patented double-edged rolling reel. These elements are designed for precise adjustment, smooth flow of material, and superior durability.

Improvements in the new Ecolo-Tiger 875 include more cutting power and longer component life.

All-new Tiger Points feature a high-density design to deliver the proven "lift-twist-roll" soil action that breaks hardpans, restores soil pore space and enables nutrient cycling in healthy

soil while doing so with less draft and greatly extended point life.

"With the benefit of extensive field testing and computer simulations, our new Tiger Point design delivers up to 350 percent more durability than previous designs," says Dr. Rob Zemenchik, Case IH Sales and Marketing Manager for Crop Production Products.

These longer-lasting Tiger Points are complemented by the Case IH Earth Metal



**+ New high-density Tiger Points are up to 350 percent more durable compared to previous designs for longer life.**

blades. Simultaneously formed and quenched for exceptional endurance, Earth Metal blades are 30 percent stronger and last up to 20 percent longer compared to conventional blades under identical conditions.



**The Ecolo-Tiger 875 manages tough, heavy residues, breaks hardpans and leaves a smooth, level surface. Down-pressure on the double-edge reel can now be hydraulically controlled.**

"Earth Metal blades are able to cut through the toughest residues," Zemenchik says. "Unlike conventional blades that lose their sharpness with wear, Earth Metal blades maintain their cutting performance."

The patented double-edge reel, which sizes any remaining clods, can now be hydraulically controlled for down-pressure adjustments on-the-go from the cab.

"This best-in-class option lets you release down pressure over wet spots to avoid plugging and to gain level output over varying soil types," Zemenchik explains.

Other new features include newly designed endless gussets, single-point depth control and deluxe wheel bearings. New scrapers on gang disk blades shield against foreign matter accumulation in the C-hanger.

### Ecolo-Tiger 875 Models

Working width (feet)	14	18	22	26
Shanks	7	9	11	13
Horsepower required (minimum)	280	350	425	535

### High-quality paint

The new Tiger-Mate 875s are finished with an aquant powder coat paint that provides 400 percent more resistance to impact, scratching and paint fading compared to prior models. This multistage auto deposition primer dip paint and powder topcoat system is part of an \$81 million expansion at the Case IH plant in Goodfield, Illinois, home to Case IH tillage tool production.

**Dr. Rob Zemenchik details features of the new Ecolo-Tiger 875 here.**



# Put your equipment away, ready to go

## POST-HARVEST IS CUSTOMIZED MAINTENANCE INSPECTION TIME

**T**hose in-depth machine inspections and preventive maintenance services performed by Case IH dealers continue to be popular options for lots of producers. Called Customized Maintenance Inspections (CMIs), they can be performed on combines, planters and seeding equipment, hay equipment, tractors, sprayers and other equipment.

They involve knowledgeable Case IH service technicians working through an extensive list of checkpoints to confirm that the machine is in good condition and field-ready. This includes evaluating all wear items and replacing components as needed, and performing all recommended service and maintenance.

On combines, especially, with the many systems and potential wear items, the insight and expertise of the service technicians can spot situations that an owner might not notice.

"These technicians work on a lot of combines," explains Ralph Petrek, Service Marketing Manager for CNH Industrial

Parts & Service. "They have experience working on them in the shop and in the field. They understand the critical areas."

The Case IH dealer technicians also follow the CMI checklists, which are extensive. On Axial-Flow 20 and 30 Series combines, for example, the list covers 143 items. The lists for other products are equally comprehensive.

CNH Parts & Service has developed these lists based on input from Case IH product engineers, and tailored through the service records of thousands of machines running throughout the world. This helps assure that all critical areas of the machine are examined for proper operation.

Case IH dealers also receive technical bulletins describing special equipment situations. This is timely and proprietary information that adds further value to the dealers' CMI programs.

The increasing use of electronic management and control systems in farm equipment adds a new dimension to CMIs. "Diagnostics and electronic

software upgrades, for example, can take place only with proprietary software used by Case IH dealers," Petrek says.

CMIs use genuine Case IH parts. They include their own limited warranty as well as a labor warranty when the parts are installed by a Case IH dealer. This is a unique advantage over aftermarket parts, and parts not installed by a Case IH dealer.

Documentation is another benefit of CMIs. The service records help you keep track of the work that has been performed, and are a good resource when it's time to trade the equipment, providing the next owner with detailed maintenance information.

"CMIs are ideal for producers who want to devote their time to other aspects of their business, or who want the assurance of having their equipment serviced by technicians backed by the resources of their Case IH dealer and Case IH," Petrek says. "CMIs have always been a popular program. They're an important component of helping you **Be Ready.**" ■



### + CASE IH DEALER CUSTOMIZED MAINTENANCE INSPECTIONS

- A comprehensive inspection, service and maintenance program developed for Case IH harvesting equipment, tractors, planting and seeding equipment, and hay equipment.
- Performed by Case IH service technicians.
- Genuine Case IH parts.
- Verifiable and documented.

**Tap to view**  
the actual checklist used  
for Axial-Flow 20 and 30  
Series combine inspections



# WE'RE IN THE SPIRIT OF GIVING.

From Nov. 1 to Dec. 31, 2013, when you purchase any qualifying† Case IH-branded products, receive a Case IH Reward Card\* or VISA® Gift Card.\*\* It's our way of saying, "Happy Holidays."

## 1 REWARD OFFER: POWER EQUIPMENT

RECEIVE A \$50 REWARD CARD\* when you buy any qualifying† Case IH-branded power equipment during the holiday promo period, Nov. 1 – Dec. 31, 2013.



## 2 REWARD OFFER: TOOLS & STORAGE

RECEIVE A \$50 REWARD CARD\* when you buy \$200 of Case IH-branded tools or tool storage during the holiday promo period, Nov. 1 – Dec. 31, 2013.



## 3 REWARD OFFER: CASE IH/ FARMALL® TOYS

RECEIVE A \$25 VISA® GIFT CARD\*\* when you buy \$100 of Case IH- or Farmall-branded toys during the holiday promo period, Nov. 1 – Dec. 31, 2013.



## 4 REWARD OFFER: RADIO & OBSERVATION SYSTEMS

RECEIVE A \$50 REWARD CARD\* when you buy any qualifying† radio or observation system during the holiday promo period, Nov. 1 – Dec. 31, 2013.



See your local Case IH dealer or visit [partstore.caseih.com](http://partstore.caseih.com) today!

\*Case IH Reward Cards will be mailed to qualifying customers within 90 days after the promotion end date which is December 31, 2013. In order to redeem your Reward Card, you must complete the claim form at the "Reward Center" on [partstore.caseih.com](http://partstore.caseih.com) by January 31, 2014. Case IH Reward Cards are not refundable for cash, are not transferable, will not be replaced if lost, stolen or destroyed. Case IH Reward Cards may not be used toward prior purchases and may not be used to make any payments on existing debts or account balances. Case IH Reward Cards may be used to purchase eligible CNH parts and related services and products only at any Case IH dealership that accepts the CNH Capital Commercial Revolving Account. Program subject to change or cancellation without notice.

\*\* VISA Gift Cards will be mailed to qualifying customers within 90 days after the promotion end date which is December 31, 2013. All redemption forms must be completed on [partstore.caseih.com](http://partstore.caseih.com) by January 31, 2014. VISA Gift Cards are not refundable for cash, are not transferable, will not be replaced if lost, stolen or destroyed. VISA Gift Cards may not be used toward prior purchases. Program subject to change or cancellation without notice.

† For a list of qualifying purchases, see your local Case IH dealer or visit [partstore.caseih.com](http://partstore.caseih.com).



# Top 10 Case IH Holiday Gift Ideas For Your Favorite Farmers

IT'S NO COINCIDENCE THAT SANTA WEARS RED! THE BEST GIFTS FOR THE FAVORITE FARMERS IN YOUR FAMILY ARE AVAILABLE AT YOUR CASE IH DEALERSHIP. HERE'S A "TOP 10" SAMPLING OF POPULAR ITEMS SURE TO PLEASE:

10

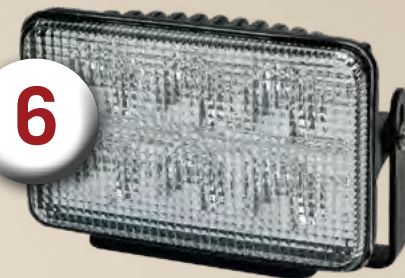


## Tools

Choose from a complete line of high-quality Case IH-branded hand tools, plus generators, pressure washers and other powered shop and service equipment. Keep all these tools protected and organized in an industrial-strength Case IH tool chest.



6



## LED Lights

Light the way throughout the year with the latest in LED lighting technology. The new LED lights can be easily installed on nearly all types of equipment. They use far less power, produce a crisp, clean bright white light that effectively turns night into day, and feature different beam patterns that put light exactly where you need it most.

8



## Cab Comfort

Upgrade a favorite older tractor with a new seat, a new radio, or the latest in AFS Precision Farming technology. And don't forget the mobile desk – load a smartphone or tablet with the free My Shed mobile app from the

[Case IH PartStore!](#)

7



## Stand Out From The Crowd

Look sharp, stay protected from the elements, and work comfortably, with the complete line of Case IH-branded clothing and protective gear. Choose from shirts, jackets, caps, quality gloves and sunglasses, plus an affordable new line of high-visibility apparel.

9



## ReadyStock

Sign up for the Case IH ReadyStock parts supply service. It includes the red ReadyStock storage locker for your shop that's periodically restocked by your Case IH dealer to make sure common maintenance items are always on hand. See your Case IH dealer for specific parts stock recommendations.



5



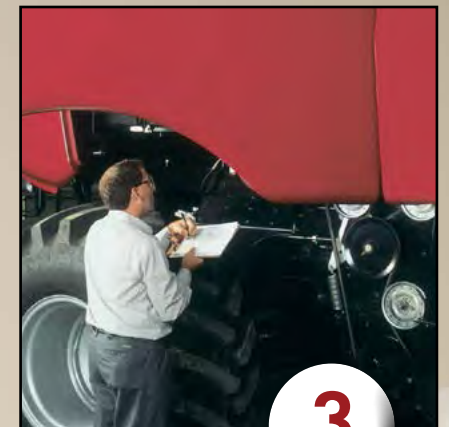
### Attachments

Attachments for loaders and skid-steers can make tough chores easier, handling everything from grading and seed-bed preparation to material handling and snow removal. For added versatility, try a four-in-one bucket: it can be used as a loader, grapple, dozer blade and high dump-bucket.

### Certified Maintenance Inspections (CMIs)

Enjoy some peace of mind this season, with a detailed and intensive CMI of your equipment. Popular for a wide range of equipment including tractors, combines, irrigation power units and planting equipment, CMIs protect your equipment investment and prepare your machines for the upcoming season.

3



2



### Golf and Grill

With all the new time-saving equipment from Case IH, you'll have more time in 2014 to play a round of golf or kick back and enjoy a backyard barbeque. Either way, Case IH can help you "Be Ready" for the fun, with impressive new golf bags and heavy-duty outdoor grills.

4



### Winter Essentials

Beat winter's wrath this season: Fire up the fleet even on the coldest days with fresh MagnaPower batteries and electric "blankets" for your DEF totes. Don't forget Case IH coffee mugs and thermoses for hot beverages on-the-go.

1

### Toys, Toys, Toys!

What would the holidays be without toys? Your Case IH dealer has a great selection of toys, ranging from the most sought-after collectibles to riding tractors for the toddlers. They're the perfect complement to anyone's big red fleet.





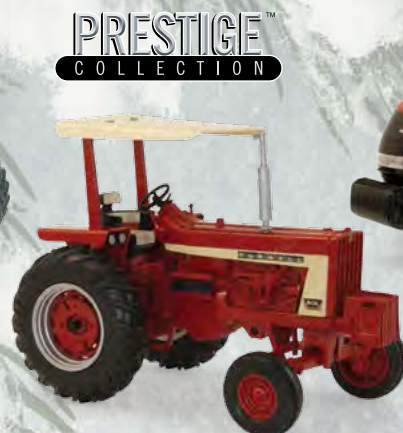
# Great Holiday Gift items at Case IH Dealers!



## 1:16 Case International Magnum 7150 Prestige Collection

Coming in October 2013  
MFWD, dual rear wheels, opening hood, opening cab door, three point hitch raises and lowers.

ZFN14892  
\$95.49 each



## 1:16 Farmall 806 Prestige Collection

Coming in October 2013  
Die-cast front and rear wheels, wide front axle, ROPS with canopy, die-cast front weights, three point hitch raises and lowers.

ZFN14866  
\$66.99 each



## 1:16 Magnum 370 CVT Prestige Collection

Coming in October 2013  
Front and rear duals, opening hood, movable warning arms and mirrors.

ZFN14894  
\$105.99 each



## 1:16 International 1566 Prestige Collection

Coming in September 2013  
Rear duals, die-cast front and rear wheels, die-cast front weights, three point hitch raises and lowers, detailed interior.

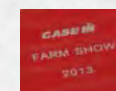
ZFN14865  
\$81.49 each



## 1:32 Steiger 350 RowTrac 2013 Farm Show

Coming in August 2013  
Articulated, track frames pivot, upper drive wheel and lower idler wheels rotate, three point hitch raises and lowers, detailed interior, movable mirrors, tampo imprint cab roof 2013 Farm Show, randomly inserted chase unit.

ZFN14861A  
\$47.99 each



Cab Imprint

## 1:64 Steiger 550 QuadTrac 2013 Farm Show

Coming in August 2013  
Rotating tracks, imprint cab roof 2013 Farm Show, randomly inserted chase unit.

ZFN14864A  
\$18.49 each



## 1:16 Tractor Mac Assortment

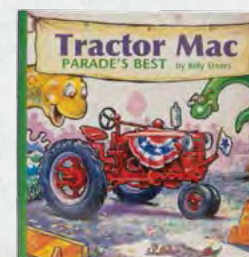
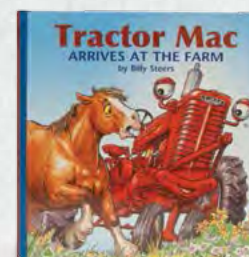
Coming in November 2013  
Assortment includes: Tractor Mac with snow and Margot the Cow, Tractor Mac with flag banner and dinosaur, Tractor Mac with flowers and Sibley the horse. Characters based on the Tractor Mac book series by Billy Steers.

ZFN37761  
\$30.99 each

## Tractor Mac Book Assortment

Coming in October 2013  
Contains three books from the Tractor Mac book series by Billy Steers: Tractor Mac Saves Christmas, Tractor Mac Parade's Best, Tractor Mac Arrives at the Farm.

ZFN37762  
\$7.99 each



## 12-Volt Pink Tractor with Wagon

Coming in August 2013  
2 speeds plus reverse, 2 1/4 and 4 1/2 mph (4 1/2 mph lock out for beginners), Smart Pedal accelerator with automatic brakes for longer riding time, adjustable seat with flip-up armrests, weight capacity 85 lbs.

ZFN44065  
\$293.99 each



Pricing and availability subject to change without notice and does not include state and local taxes.  
You'll find these and more Case IH toys at participating Case IH dealerships. Check [www.caseih.com](http://www.caseih.com) for your local dealership.



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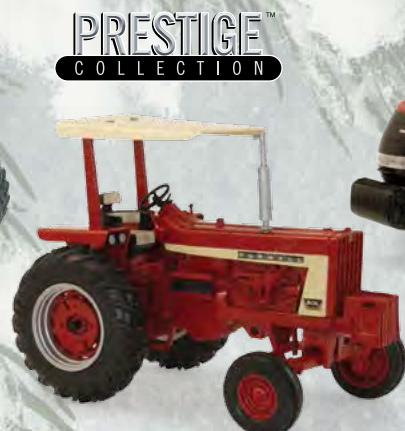
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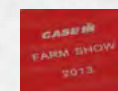
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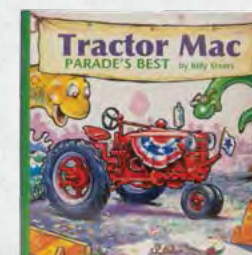
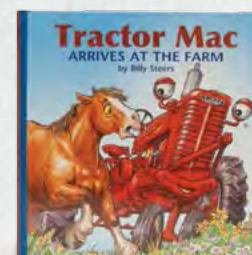
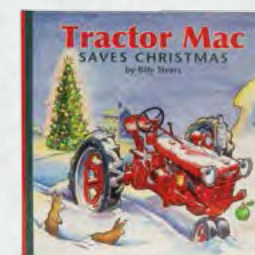
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