

AGRONOMIC DESIGN UNDERPINS CASE IH APPLICATION EQUIPMENT



SUMMER 2013

# CANADIAN FARMER

**JUST ADD  
WATER**

AFS RTK  
GUIDANCE MAKES  
UNDERGROUND  
IRRIGATION POSSIBLE  
ON CORN GROUND

**+ Better  
nitrogen  
management**

A NEW CASE IH APPLICATOR ENABLES  
FAST AND EFFICIENT APPLICATIONS.

FARMALL MODELS ARE A KEY PART  
OF THE CASE IH TRACTOR LINE

# SIMPLE, DEPENDABLE POWER





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# Farmall tractors help you Be Ready

From the time they were introduced in 1923, Farmalls have earned a reputation as high-value hard-working tractors. Because of their “do it all” capabilities those old Farmalls, notably the Hs and Ms from the late 1940s and 1950s, became some of North America’s most popular tractors and are true classics.

Today, the expectations of tractors’ capabilities far exceed what those Farmalls of decades ago delivered. Yet there’s still a spot on most every farm for an efficient, comfortable and capable tractor – most often matched with a loader – to tend livestock, make hay and handle general farmstead chores.

New Case IH Farmall models easily handle these tasks, and more. They have new features and new styling to reflect the important role they fill in the full line of Case IH tractors. All are powered by technically advanced Case IH FPT engines and supported by the full resources of Case IH and your Case IH dealer.

Because of the broad range of tasks these tractors are asked to fill, they are available with features ranging from basic ROPS models and mechanical transmissions to models such as our new Farmall U tractors which have one of the newest cabs in the entire Case IH line.

At Case IH, we put producers first and that means listening to their needs. We hear from many that there’s still an important role in their operations for a good solid tractor with value features. That’s what the Farmall models offer.

If you need 60 hp, or 600 hp, there’s a Case IH tractor designed to help you Be Ready to meet the challenges and opportunities you face every day.



*Jim Walker*

**Jim Walker**

Vice President, Case IH NAFTA



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# Simple, dependable power

FARMALL MODELS ARE A KEY PART  
OF THE CASE IH TRACTOR LINE

**W**hatever you call them – chore, utility, small or mid-sized – tractors in the 40- to 100-hp range play a key role for a lot of operations. One farm may need a basic tractor that's easy for seasonal employees to operate; another farm may want a comfortable full-featured tractor for daily chores.





Regardless of how they're used, the best tractors for these tasks are dependable, economical and easy to use.

"People appreciate a good utility tractor," says Zach Hetterick, manager of Livestock Marketing for Case IH. "Especially in operations where it's used frequently, such as tending livestock, mowing or running augers, you want a tractor that's comfortable and gets the job done."

Case IH has recently made significant investments in its Farmall line. The company has introduced several new models, and has added product specialists in the field charged with helping Case IH dealers match Farmall tractors to producers' needs.

"The markets these Farmall tractors serve are important to Case IH and to our dealers," says Hetterick. "We intend to give professional producers of crops and livestock the full range of farm equipment they need to be successful. These utility tractors play a vital role."

The overall premise of the Farmall line is to provide tractors that are able to handle a wide range of farm and ranch tasks. The name, of course, harkens back to the original Farmall tractors. Introduced 90 years ago in 1923, Farmall tractors revolutionized agricultural production with

their ability to work in row crops, thanks to their tall, narrow profile. This was a dramatic departure from the low-clearance utility-style tractors common at the time.

Today, high-production row-crop duties are more efficiently handled by Case IH Maxxum, Puma and Magnum tractors with their electronic controls, automated features and AFS Precision Farming systems on Puma and Magnum.

Farmall models, in contrast, provide the power, maneuverability and ease of operation needed for hay and forage operations, daily loader work for livestock operations, and general farmstead chores.

The Farmall line includes models ranging from the basic **Farmall A** models beginning at 39 PTO hp to the **Farmall U Series** with a high level of standard features and the hefty **Farmall 100A models** up to 115 PTO hp.

"A lot of producers tell us, 'We just want a simple tractor,' " Hetterick says. "That's exactly what we have in the Farmall line. These have efficient engines, good hydraulics, capable transmissions including desirable shuttle shifts, independent PTOs, and three-point hitches. They're easy to get on and off, and comfortable to run with good visibility all around. And, there's a Case IH loader available for every model."

The newest models in the Farmall line provide a good overview of Farmall performance and choices. The **Farmall 85C/95C/105C** and the **Farmall 105U/115U** meet current Tier4A emissions requirements using cooled exhaust gas recirculation. This emissions solution, which requires no additional fluid or maintenance requirements, is the more efficient choice for these types of tractors that may be used for frequent brief operation, and for applications that don't require continuous maximum horsepower.

The new Farmall C models are available as open-station ROPS models or with two-door cabs, and with two-wheel drive or MFD. The Farmall U models are equipped exclusively with cabs and MFD.

These models range from 70 to 98 PTO hp. The Farmall C tractors are targeted toward producers who want a simple rugged tractor. The base transmission is a 12F/12R with mechanical shuttle, with creeper gears and power shuttle as options. There's one standard rear remote and a 12.5-gpm flow rate, with a second remote and higher pump capacity of 16.9 gpm optional.

The Farmall U models bring more productivity and convenience. Power shuttle is standard, with several transmission

**+ Roll over each picture to enlarge.**

**Easy to operate and economical to run, the Farmall tractor line offers a wide range of models and configurations to handle tasks around the farm and in the field.**

choices beyond the 12F/12R. Two remotes are standard with a third remote optional, with a standard hydraulic flow of 17.2 gpm and 22.2 gpm optional.

The three-point hitch on the Farmall U models lifts nearly 800 pounds more, and these models weigh over 1,400 pounds more than the Farmall C's.

"These new Farmall C and U models provide a good look at where we're headed with the Farmall line," Hetterick says. "They deliver efficient performance with the Tier 4A engines, and are available in configurations for producers who value low price, as well as for customers wanting a tractor they can use, comfortably, 365 days a year.

"Expect more models like these, covering more horsepower ranges," Hetterick says. "The Farmall tradition is alive and well at Case IH." ■



# NEARLY AS VERSATILE AS YOU ARE.

Puma® series tractors provide the right size and power for a wide variety of livestock and mixed crop operations. From mower conditioner, baler or loader work to pulling row crop tools, Puma tractors deliver the precise power you need for peak efficiency and fuel economy. The operator environment provides outstanding visibility in all directions, cab suspension for a smooth ride, and a MultiControl Armrest that puts all the major tractor controls at your fingertips. Add in the CVT transmission, AFS precision, and Tier 4A emissions-compliant SCR engine and you've got an agile, easy-to-operate tractor that is ready for anything. To learn more, see your Case IH dealer or visit us at [caseih.com](http://caseih.com).



BE READY.





# Just add water

AFS RTK GUIDANCE  
MAKES UNDERGROUND  
IRRIGATION POSSIBLE  
ON CORN GROUND.



+ Judge Family Farms  
is near Simcoe, Ontario.



**Todd Boughner  
and Derek Hill.**





**The irrigation drip tape is buried 14 inches deep on 44-inch spacings. A Magnum tractor equipped with the AFS Pro 700 display provided the RTK autoguidance and mapping. The excavation photo shows the main line with rigid risers hooking to the dripper lines. Boughner and Hill show a completed field, with risers in place to take in water pumped from a nearby pond.**

**“We farm, and we have fun doing it,” says Todd Boughner. The fun part, a visitor soon learns, is finding ways to do things better.**

Boughner, manager of Judge Family Farms in Simcoe, Ontario, and Derek Hill, who oversees field operations, spend a fair amount of their time sharing “what if” scenarios. Boughner is quick to run a cost/benefit analysis, and if an idea passes that test, chances are they’ll adopt it.

“We do a lot of research and development work here,” Boughner explains.

Judge Family Farms is a poultry, pork

and grain business. It finishes out about 100,000 broilers annually and is a large-scale hog producer with farrow-to-finish operations and a focus on breeding and selling breeding stock.

Farming operations of 2,600 acres include 1,600 acres of corn, all of which is sent through a mill to feed the poultry and hogs.

About four years ago, several factors

converged that set Boughner on a path of looking for a new way to boost corn yields.

That’s when they began irrigating some corn ground, using a traveling gun and drag hose system. With it, they saw yields approaching 300 on some sandy ground that typically produced corn yields in the low 100s.

That yield boost started their “thought wheels” turning. They saw land prices



escalating and the outlook for higher crop prices beginning to strengthen. And, their local weather patterns were tending toward dry spells at critical yield-determining times, if not all-out drought.

If reliable water is all it takes to assure higher yields, they reasoned, they should find a way to bring it. “We’re a progressive company,” Boughner says. “We’re not going to be hampered by seasonal weather patterns.”

A fair portion of Judges Farms’ acreage lies on what’s known as the Norfolk Sand Plain. The coarse-textured soil has limited water-holding capacity. There’s ample groundwater for irrigation, but to Boughner and Hill, the overhead water systems, either traveling guns or center-pivots, have inherent shortcomings including high water and energy use, and lack of timeliness.

“We try not to be the old school of ‘getting by,’” Boughner says. “We started looking for a better way.”

An underground irrigation system in a lawn, with zone control, caught their interest. “We thought, ‘Wouldn’t that be nice to do on a farm scale?’” Todd recalls.

This concept of subsurface irrigation using buried tape has commonly been used for high-value crops such as orchards and vineyards where deep tillage isn’t practiced and soils don’t freeze. Applying it to Ontario corn ground was unheard of, as Boughner and Hill learned as they looked for subsurface irrigation resources.

“We talked with people who did subsurface irrigation in Florida, but the tape is

gathered up every year.” Boughner and Hill wanted a longer lasting solution. A friend and neighboring producer, Dave Blake, provided additional insight and support.

Based on the potential for efficient water use, low energy cost and minimal labor requirements compared to overhead systems, Boughner and Hill decided to install subsurface irrigation tape on a 75-acre field with a nearby pond as the water source.

RTK guidance, with its sub-inch accuracy, is the technology that made this investment possible, Boughner and Hill say, and they adopted it as part of the installation

process. Their local Case IH dealer helped them during the installation by providing them with a **Magnum** tractor equipped with an **AFS Pro 700** display receiving an RTK signal.

“We’re in a learning mode with RTK,” Boughner says. “Our dealer helped us greatly in getting the maps set up and showing how the information can be transferred to our equipment.”

Using the resources of their farm’s shop, Boughner and Hill designed and fabricated their own drip tape applicator that’s based on three Case IH ripper shanks. They buried seven-eighths inch diameter irrigation tape 14 inches deep, and 44

**Tom Boughner and Derek Hill use interconnected technologies to make their operation more efficient. Boughner describes how he uses an iPad.**





inches apart.

Why 44 inches? “We tried a plot with tape buried 60 inches apart and it worked well. We figured we had one shot at this so we settled on 44 inches. We think this will work better. With more water going to it, we’ll run the system less,” Boughner explains. Their tape is warranted for 15 years.

He says their goal is an “overall wetting of the field” rather than trying to place water under or beside rows.

The 44-inch spacings also allow ample clearance for subsoiling, if needed. “Based on the map of the irrigation tape, we just move over 22 inches and go.

A 15-hp electric motor pumps water into the system at 16 psi. A sand filtration system protects the tape from sediment, and a flow meter is in place to monitor and measure water flow. They also have the ability to add nutrients into the water flow for fertigation.

The system is set up into six zones of approximately 12.5 acres each. “I can water two zones at one time, and put one-quarter inch of water into the root zone in six

hours. So in 18 hours, I can water the whole field with one-quarter inch of water, which is huge,” Hill says.

Boughner and Hill see the benefits of this new irrigation system going far beyond simply having higher yields. For example,

“**AFS is definitely a system we can grow with.**”



not only was last year’s drought-affected crop short, the corn test weight and quality was reduced which in turn affected their feed quality and the productivity of their poultry and hogs.

With predictable water, they will get full benefit from the fertilizers they apply.

In the broader environmental perspective, they note the benefits of minimal drawdown of groundwater, as they are relying on surface water. They will significantly increase yield from a fixed amount of ground, without breaking new soil or consuming more fuel and other resources. They’ll see higher returns from the cost of land, which is the farm’s largest investment.

And, with water removed as a variable,

they can work with other agronomic factors toward Boughner’s goal of more than doubling the yield on land that has averaged 100 bushels. “I know we can gain way over 100 bushels,” he says. “I want to see 250 or I won’t be satisfied.

“We love fertility and corn science. Now, with water, we can put everything together,” he adds.

As an overall farm mission, Boughner and Hill apply new technologies whenever possible. They use wireless cameras to monitor their multiple livestock locations, which they can view on their iPads wherever they have Internet access. They’re planning to add a camera focused on their newly irrigated field to view “real time” corn and anticipate adding wireless

**Underground irrigation promises to bring higher, more consistent corn yields to fields with coarse-textured soils.**

subsoil moisture monitors.

Case IH **AFS Precision Farming** systems fit well into their technology vision. “Most everything is red on this farm, and we’re using AFS and the AFS Pro 700 display on our new Magnum tractors,” Hill says. “We get more new technology every time we get new equipment. AFS is definitely a system we can grow with.” ■



# SUNRISE TO SUNSET AND THEN SOME.

Cut through tough field conditions all day long with the rugged, commercial quality Case IH Nutri-Placer 930/940 applicators. Working widths up to 65 feet and compact transport means you cover more ground with less effort. And, the agronomic design delivers consistent depth and sealing, and that saves you money. Durable and tough, these applicators go the distance. To learn more, see your Case IH dealer or visit us at [caseih.com](http://caseih.com).

BE READY.

**COMMERCIAL QUALITY FRAME**  
designed for the demands of custom applicators

Compact transport and sizes up to 65 ft

**MAXIMIZE PRODUCTIVITY**

Field proven attachments provide

**CONSISTENT DEPTH AND SEALING**





# Better nitrogen management

AN ILLINOIS FATHER AND SON ADOPT SIDE-DRESSING FOR MORE EFFECTIVE USE OF NITROGEN. A NEW CASE IH APPLICATOR ENABLES FAST AND EFFICIENT APPLICATIONS.



✚ The Lundeens grow corn and soybeans near Altona, Illinois.



**“We needed a way to mitigate our nitrogen risk,”** says Daniel Lundeen, as he explains why he and his father, Mike, purchased a Case IH 920 Nutri-Placer.

“We want to be environmentally sound, we want to be good stewards of the environment, and we want to make sure we are maximizing our investment in nitrogen,” he says.

All those factors came into play as the Lundeens looked for a way to move corn yields beyond the yield plateau they had experienced the past several years.

As a certified crop adviser and seed agronomist, Daniel identified nitrogen as a potential primary limiting factor. “We need to continually supply the plant with ample nitrogen throughout the season, and it’s becoming increasingly difficult to do that through one or two applications,” he says.

The Lundeens grow corn and soybeans near Altona, Illinois. They had followed the common practice of applying anhydrous ammonia with a stabilizer in the late fall, and a spring pre-plant application of liquid nitrogen and a herbicide.

The downside of this process, Daniel notes, is the potential for nitrogen from these early applications to leach out prior to the plants using it, wasting money through the fertility loss and potentially degrading water quality. And even

with the spring pre-plant liquid application, there might not be enough nitrogen available at peak plant growth periods.

Adding a third application, post-emerge, is a way to give an effective dose of nitrogen at a crucial stage of growth. It’s not so much about applying more nitrogen as it is about using it more effectively and reducing the risk of nitrogen loss, Daniel notes.

The Lundeens had done some side-dressing several times in the past, and generally liked the results. They decided to make it a consistent part of their program with the 2011 crop, using an applicator from a local co-op.

They quickly realized availability of the shared equipment could be an issue. “Crop conditions at that stage can change quickly,” Mike notes. “If side-dress was going to be part of our nitrogen plan, we needed our own applicator to work when the time is right.”

Intent on buying their own, they went to a Fall 2011 farm show and looked at every applicator on site. They chose the **Nutri-Placer 920** based on its overall rugged design, its ability to flex on rolling terrain, and its ease of folding into a transport-friendly width. Their past experience with DMI equipment, the predecessor brand for several models of

**Spring-loaded 20-inch diameter coulters deliver fertilizer into the root zone. The Lundeens use the liquid knife injectors; straight stream injectors are also available.**

Case IH tillage and application equipment, gave them additional confidence in the purchase. “Really, the workmanship on this is far superior to anything we saw,” Mike says.

The Lundeens put the Nutri-Placer 920 to work in their 2012 crop. Mike says with 24 rows running at 9.5 mph, the capacity is impressive. For each row, the applicator uses single, spring-loaded 20-inch coulters running directly ahead of liquid knife injectors.

Mike and Daniel have the Nutri-Placer 920 set at 3 inches deep, running down the middle of their 30-inch rows. “We’re in there at the V5 to V8 growth stage when the corn is about 12 to 18 inches tall,” Daniel says. He notes that their pre-plant nitrogen application meets the crop’s needs up to that stage. And, he says, in-field

“

Really, the workmanship on this is far superior to anything we saw.”

**The Lundeens use a Nutri-Placer 920 like this one. The 60-foot implement flexes with five sections and has active down pressure for consistent depth control.**







**Daniel Lundeen describes how the Case IH Nutri-Placer 920 fits into their plans for increased yields through more efficient use of nitrogen.**

nitrogen applications beyond the V8 stage are more likely to damage nodal root growth and miss key periods of nitrogen uptake.

The Nutri-Placer 920 has a 1,650-gallon tank. Mike says he rarely fills it completely, opting not to carry that additional weight through the field. They purchased an 8,500-gallon semi-tanker trailer for tendering through a 40-foot hose, replacing a 1,000-gallon tank they had previously used with the applicator from the co-op.

“We’re able to get things done faster with this bigger tank,” Mike explains. He says the implement is well balanced overall, regardless of the amount

of product in the tank.

Although the Lundeens pull the Nutri-Placer 920 with a non-Case IH tractor, they say the controls, including depth control and folding, and the hydraulically driven centrifugal pump were easily compatible with their tractor’s monitor. Their monitor also runs the rate controller they added to manage the Nutri-Placer 920’s pump.

In fact, the Nutri-Placer 920 is the only piece of red equipment on their farm, because they saw it as the tool best suited to meet their agronomic needs. Help from their salesperson, who is a friend and former engineer who worked with the Nutri-Placer 920, helped solidify their confidence.

The Lundeens see several advantages from making side-dressing liquid nitrogen a core part of their fertility plan. Knowing they will have three applications gives them more latitude to make decisions about the first fall

application; most likely, reducing it which in turn reduces the chances of nitrogen loss through leaching.

Having the opportunity to vary rates of the side-dressed application will help them better tailor nitrogen expense to the potential of the crop. “We don’t want to be sitting in June with a nitrogen deficiency we can’t correct because we’ve invested all our resources in earlier applications,” Daniel explains.

Mike points out that side-dressing gives him the chance to visually examine every acre of corn at a critical time of crop development. “I can spot, and maybe cure, problems we might not otherwise know about. It’s another scouting trip,” he says.

With nitrogen applications better aligned with the crop’s needs, the Lundeens initially anticipate reducing overall nitrogen use. “Our goal for this

year is a reduction in total number of nitrogen units because we should be more efficient with it,” Daniel says. “From 2012 to 2013, total units of nitrogen applied will decrease by a planned 11 percent because of the side-dressing.”

The bottom line, Daniel says, is having better control over this important and expensive crop input.

“By being able to better manage nitrogen with multiple applications including side-dressing, we will be using it efficiently, and it should not be the limiting factor to our yield goals.” ■

**Mike Lundeen identifies several reasons why they chose the Case IH Nutri-Placer 920.**







# FOR HAY THAT'S READY WHEN YOU ARE.

When you're ready to bale your hay, you don't have time to wait on the weather. With the Case IH ThirtyPlus™ preservative and applicator system, you're in charge. ThirtyPlus allows you to maximize the number of acres baled per day at moisture levels up to 30%, so you can bale hay earlier, later and on cloudy days. It works on all types of hay, including alfalfa, grass, and other crops susceptible to spoilage at higher moistures. Just as important, hay treated with ThirtyPlus is greener, fresher and higher in feed value.

Visit your Case IH dealer to learn how ingredients and the manufacturing process provide outstanding preservative performance. You're ready. Let ThirtyPlus help you maximize your hay baling productivity.

For more information about  
ThirtyPlus hay preservative  
and applicator systems  
visit your Case IH dealer,  
[www.harvesttec.com/caseih](http://www.harvesttec.com/caseih)  
or call (800) 635-7468.





# 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.

## AGRONOMIC DESIGN UNDERPINS CASE IH APPLICATION EQUIPMENT

Case IH Agronomic Design is based on the company's understanding of agronomic principles and designing equipment with features that will maximize the potential of each plant to maximize its yield potential.

These features can range from very specific actions – such as the ability of the AIM Command Spray System option on Patriot sprayers to manage droplet size for unmatched spray effectiveness – to features like the robust construction of Case IH toolbars for dependable, low-maintenance performance and timeliness.

Case IH Application Equipment plays a critical role in the crop production cycle. Agronomic Design assures the equipment's ability to deliver fertilizers and crop protection products in the right amounts, placed in the most effective part of the root, soil or the plant canopy, and at the optimum time.

Here's a look at several models in the Case IH Application Equipment line. **For a more in-depth look, [CLICK HERE](#).**



**[Nutri-Placer and Nutri-Tiller](#)**

[Read More](#)

**Play video of  
Nutri-Placer 920  
and Nutri-Tiller 950**



(2:00)



**[Patriot Sprayers](#)**

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**[Titan 30 Series Floaters](#)**

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# FOR YOU, DOING MORE ISN'T A CONVENIENCE. IT'S A REQUIREMENT.

Demanding livestock duties, larger hay operations or heavy loader work – Farmall® U series tractors do it all. A heavier frame, high-capacity hydraulics, deluxe controls and best-in-class operator environment mean this tractor is ready to handle any chore, all day long. With five models ranging from 70 to 98 PTO HP, a deluxe cab or ROPS option, and a wide range of upgrades and attachments, there is a Farmall U tractor that fits the way you farm. To learn more, see your Case IH dealer or visit us at [caseih.com](http://caseih.com).



BE READY.





## Faster, autoguidance-ready windrowers

New Case IH **WD3 Series II windrowers** have an all-new hydraulic steering system that makes them ready for fully integrated autoguidance using Case IH **AFS AccuGuide** autoguidance controlled by the **AFS Pro 700 display**.

The new steering system provides tighter control while retaining light-touch steering. Overall drivability is improved, and maintenance is reduced with fewer linkages and the elimination of wearable pivot joints.

The rear axle has been redesigned for improved control and stability, and independent suspension is now standard on all models. These new features, including a new rear wheel fork design, allow for transport speeds up to 38-kph (24 mph) – the industry's fastest.

The Pro 700 display allows for easier machine adjustments and serves as a performance monitor.

Other features include a simplified header flotation system and easier header installation and removal. WD3 Series II windrowers with the draper package have



**Case IH WD3 Series II windrowers have improved steering control and a 38-kph transport speed. They can be equipped with autoguidance ready to maximize the capacity of big headers including this new Case IH 40-foot DH403 draper header.**

two 40-gpm header drive pumps to handle Case IH draper headers including the new 40-foot DH403 model.

WD3 Series II models include the WD1203 (126 hp), WD1903 (190 hp) and the WD2303 (225 hp).

**Case IH Hay and Forage Marketing Manager Brett DeVries provides a brief overview in these videos.**

**WD3 Series II windrowers**

**DH3 Series draper headers**

## Are you Case IH? Share your photos at #IamCaseIH

The Case IH Facebook page now includes the ability to share photos through Instagram. It's an app available for iPhones or Android phones. That makes it easy to share photos on social media sites including Facebook, Twitter and Tumblr.



Use Instagram to post photos of "What Case IH means to you" on the Case IH Facebook page. There, your image will join others from around the world for a user-generated presentation of the special role Case IH equipment plays in peoples' lives, and how it's used to meet the challenge of producing food for the growing global population.

**See Case IH Facebook Instagram images here.**

Download the free Instagram app for iPhones at the Apple App Store or at the Google Play Store for Android phones. Tag your photos to #IamCaseIH.

## SHARE YOUR MAGNUM STORY

Throughout 2013, Case IH is inviting Magnum owners to share your "Magnum story" on the Case IH Facebook page.

We're looking for photos and stories about the impact that the Magnum tractor has made in your farm operation. And, this can be about any model Magnum tractor, from those early 7100 Models that started the Magnum revolution to the current models with the latest technology to help you get more done.

Here are a few owners' submissions, and their stories. **Share yours here**; we'd love to know what Magnum tractors have meant to you and your farm!



**Sam H. | Magnum 7130 - 1994**



**Luke R. | Magnum 260 - 2012**



# Tips for a Successful Hay Harvest

Last year's drought has led to record-high prices and some of the lowest inventories in history. So this year, it's never been more critical for hay growers to maximize the potential of this summer's hay crops.

Case IH has the equipment and resources to help you get the best quality and yields from your hay fields this season. As always, timeliness is key.

"Hay baling most often takes place during very limited time windows," says Bob Hammitt, Hay & Forage Product Marketing Manager for CNH Parts & Service. "At Case IH, we offer several solutions that can help you make the most of your most precious resource – time."

He offers these three basic productivity tips:

**⊕ Use the best baling twine.** Not all twines are the same. Cheaper twine has a tendency to break, it can have trouble knotting, and it doesn't always feed into the twine system correctly. In fact, these and other quality issues with twine have led the American Society of Agricultural and Biological Engineers (ASABE) to adopt new standards for quality, testing, labeling and performance of baling twines.

Case IH-branded plastic twine meets the ASABE's tough standards for twine strength and length, optimal performance in properly adjusted baler knotters, weatherability and ultra-violet (UV) protection.

Case IH-branded twines are made specifically for Case IH equipment, but they work equally well in all types of baling equipment provided that it's well-maintained.

**⊕ Use hay preservative, so you can decide when to bale.** Weather conditions must be sunny and dry to bale hay, and while you can't control the weather, you'll have far more control over when to bale by using a high-quality hay preservative and applicator system. Case IH ThirtyPlus™ hay preservative lets producers bale hay with moistures up to 30 percent without having to worry about dangerous heat levels or toxic mold damage.

ThirtyPlus also locks in optimum hay quality even when the sun isn't shining; treated hay can be stored for years and will look and feed as well as when it was first baled. And, it is 100 percent safe to feed to livestock of all types. Created from propionic and citric acid, the preservative is also found naturally in the digestive system of horses. Think of it as a supplement for your hay.

**⊕ Use a baler liner for consistency, efficiency.** One of the best ways to improve in-field efficiency – and to reduce wear and tear to your baler and tractor – is by installing a baler liner. Case IH offers BaleSkiis® bale liners. These are simple, self-adjusting plastic liner covers for the bale chamber. Bale liners reduce friction and keep



compressed hay in place when the plunger retracts. The result is more uniform bales with high-protein leaves in the bale, not on the ground. More uniform and compact bales result in more efficient bale retrieval, transport and stacking.

The BaleSkiis bale liners work with all square baler types, in all climates and with all types of hay. Bale liners last more than 10 years on average, making them a smart, long-term investment.

"To make the most of your hay harvest this season, count on your local Case IH dealer," says Hammitt. "They can help you select the right equipment and accessories for your individual operation, so you can work as efficiently as possible."

Having equipment serviced and ready to work will help assure a timely harvest. High-quality mesh and twine contributes to productivity with fewer breaks during baling, and helps maintain bale integrity longer.

**THIRTYPLUS™**

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# ALL THE TOOLS YOU NEED FOR YOUR OPERATION.

Case IH Farmall series tractors are ready to handle any task your operation can bring their way. From chores big and small to hauling, mowing, loading and pulling your hay equipment, they're ready. Speaking of hay tools, we have all the cutting, conditioning, raking and baling equipment you need. At Case IH, we understand that getting your job done means working hard all day – every day. We're ready to help you do just that. To learn more, visit your **local Case IH dealer**.

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