

CANADIAN FARMING



One-Pass Tillage:
A New Strip-Till Rig

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Think Differently
About Hay Production

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WINTER 2017



HIGH-EFFICIENCY FARMING DEFINED

PAGE 4



THE ONE-PASS SEEDBED SOLUTION.

The new Nutri-Tiller 955 strip-till applicator brings Case IH expertise in seedbed preparation to strip-tillage operations, creating a one-pass solution that manages crop residue, enhances soil tilth and improves nutrient efficiency. The redesigned row unit maximizes productivity while maintaining precise tillage and accurate placement of fertilizer in 10-inch-wide tilled strips. The High-clearance Shank™ features an edge-bent shank, combined with proper holding force for consistent tillage and nutrient placement depth. Best of all, the Nutri-Tiller 955 is a perfect match for Case IH Early Riser® planter. Together, they create optimal agronomic conditions for uniform seed depth and consistent seed-to-soil contact.



ON THE COVER: The new 2160 Early Riser large front-fold, 36-row planters can be equipped with optional steerable center-section tracks in place of tires. Match them with a Steiger Rowtrac or Magnum Rowtrac tractor for superior compaction management as part of an overall high-efficiency farming program. Learn more about the 2160 Early Riser planters on [page 29](#).

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CANADIAN FARMING COMMENT

175 Years Innovating

This year, we are celebrating a milestone. In 1842, 175 years ago, Jerome I. Case established the J.I. Case Threshing Machine Company in Racine, Wisconsin.

The first J.I. Case product, a small hand-powered threshing machine, brought new efficiencies to the tedious task of separating wheat from the straw.

The company developed evermore innovative and capable machines to help farmers be more productive. J.I. Case became the world's largest producer of steam engines and played a leading role in the mechanization of agriculture.

In 1985, the formation of Case IH led to introducing the Magnum tractor. With its innovative design, the tractor set new standards for power, performance and operator comfort.



Today, innovation continues to run deep at Case IH.

Our goal is to help you make the most of every seed and every season. Our approach encompasses all aspects of crop production to achieve the most efficient crop possible through the best use of land, seed, fertilizer, equipment and technology.

We call this High-Efficiency Farming. It's a phrase Jerome I. Case might have coined for the way his thresher enabled great strides in productivity.

As this organization celebrates 175 years of a consistent presence in Racine, we're focused on the future and the potential of High-Efficiency Farming.

It's about maximizing the time and value of every field operation. It's what J.I. Case envisioned. It's what Case IH equipment and the organization supporting it is designed to do.

Jim Walker

Jim Walker
Vice President, Case IH NAFTA

High-Efficiency Farming

Maximize the value of every action

With last year's crops still fresh in your memory, and planning for this year's well underway, Case IH proposes that it's time to rethink productivity. That is, challenge the way you have always produced a crop, and think about new ways to increase yields or lower costs per bushel. The ultimate goal is to stay profitable in a challenging environment.

"The goal can be high-efficiency farming, where you've maximized the time and value of every action," says Tom Dean, marketing director for Case IH North America.

High-efficiency farming may involve adopting simple steps, such as managing the residues as they come out of the combine for easier seedbed preparation, or investing

in new crop production systems such as strip-till and high-speed planters.

"We're saying, 'Look at small changes you can do to make your equipment perform better, and do a better job raising the crop,'" explains Tony McClelland, Case IH planter marketing manager.

"Take the time to walk through the whole process, and think differently about what you've been doing" he says. "We'll bet there's a way to do things more efficiently."

Aiming for high-efficiency farming? Thinking differently about the steps you take every year and keeping an eye on improving productivity can take you there. Here are some examples. ■

PLANNING

GOAL: Gather data for future management decisions.

THINK DIFFERENTLY: Record data from all field operations, not just yield data, to gain a robust resource for future analysis.

HIGH-EFFICIENCY FARMING: Stay current with your precision farming hardware and software. Focus on integrated systems for easier data transfer and analysis.



SEEDBED PREPARATION

GOAL: A smooth, well-tilled seedbed for excellent seed-to-soil contact.

THINK DIFFERENTLY: Focus on the sub-surface by creating a firm, level "floor" to enable faster planting with reduced row-unit bounce and allow faster planting speeds. Manage soil surface clod sizes to less than six inches.

HIGH-EFFICIENCY FARMING: Match the implement to the field conditions and the desired result. Consider strip-till for one-trip tillage.



PLANTING

GOAL: Fast, even emergence with accurate population control.

THINK DIFFERENTLY: Optimize the performance of each row unit. Make consistent depth control a priority.

HIGH-EFFICIENCY FARMING: Match planting speeds to field conditions. Plant at higher speeds when conditions allow to have more crop planted at ideal times. High-efficiency planting is planting at the highest speed that maintains accurate depth control and population, rather than planting at the highest speed possible.



GROWING/PROTECTING

GOAL: Provide plants with nutrients needed to maximize yield potential; control weed and insect pests.

THINK DIFFERENTLY: Time nutrient applications more closely to time of need, and apply them for more efficient means of uptake; be timely and accurate with crop protectants.

HIGH-EFFICIENCY FARMING: Consider applying in-row and post-emerge vs. broadcast fertilizers. Base rates on recommendations from yield maps and agronomists' analysis. Have crop protection equipment ready when needed.



HARVEST

GOAL: Timely, efficient harvest.

THINK DIFFERENTLY: Make residue management a priority.

HIGH-EFFICIENCY FARMING: Match all grain handling systems to the combine's capacity. Consider controlled traffic patterns to help manage compaction. Yield mapping is important; make sure that precision farming equipment is calibrated and ready to record when you go to the field.





One-Pass Tillage

A new strip-till rig produces a ready-to-plant seedbed

Producers practicing or considering strip-till can choose a new implement from Case IH that will make this time- and money-saving practice even more efficient and productive for them.

The new [Nutri-Tiller 955 Strip-Till Applicator](#) manages crop residues, enhances soil tilth and provides precise fertilizer placement for maximum nutrient efficiency. It has new features including a redesigned row unit with a new high-clearance shank. It's more robust, tracks straighter and performs better in higher residue conditions compared with the previous model.

"We're seeing increasing interest in strip-till," explains David Long, who is a seeding equipment and fertilizer applicators marketing manager for Case IH.

"Economics is one reason," he says. "People are thinking differently and looking for ways to be more efficient with their tractor hours, their time and their nutrient management. It's all part of high-efficiency farming."

This new implement improves on the previous Nutri-Tiller 950 with the new High-clearance Shank for Strip-Till (HCS ST). Each shank is mounted between two plates vs. one side-mounted plate used previously.

This mounting change, along with other updates, helps the implement to maintain consistent depth and track in the precise straight lines that strip-till requires. Field evaluations in rocky field conditions have shown that shear-bolt breakage is greatly reduced, contributing to overall uptime.

Strip-till has been favored by conservation-minded producers as being the "best of both worlds" with its desirable combination of no-till and conventional tillage.

Wider adoption of RTK autoguidance has made strip-till a more viable option for many producers by making it much easier to plant into the strips.

On each row, a large 24-inch coulters slices through residues ahead of a pair of row cleaners that clear a path for the shank, which typically runs about eight inches deep. Berm Build'r sealing disks follow immediately. They run along the soil surface and catch the tilled soil to build and shape a consistent berm. This berm is leveled and firmed by the Berm Condition'r conditioning basket.

The result is a 10-inch wide,

perfectly tilled, ready-to-plant berm. Residues from the prior crop, or a cover crop, are left undisturbed between each berm.

The berm is slightly raised because there's more pore space and improved soil tilth in that 10-inch strip compared with the rest of the field. More pore space means more air space, so these tilled strips tend to warm up faster in the springtime and allow for earlier planting into a more consistent seedbed.

"The strip can be as much as 5 to 7 degrees (F) warmer compared to the soil in between the rows at key times," Long says.

Fertilizer placement

A key part of strip-till's appeal is placing nutrients directly into the root zone. "It's about fertilizing the plant, not the soil," Long says. "Strip-till defines where that crop is going to be so you can index the fertilizer to the plant."

The Nutri-Tiller 955 can also be factory-equipped with an air package, which includes the hoses, splitters and diffusers needed to deliver dry fertilizer carried in a [Case IH Precision Air 5 series air cart](#). Altogether, you can apply two dry products from the air cart plus anhydrous ammonia in one pass.

"Being able to include dry fertilizer brings multiple benefits," Long says.

Phosphate and potassium are the easiest nutrients to handle as dry products, and they also migrate slowly through the soil, he says.

"Placing them deeper in the soil profile, rather than on the soil surface, provides greater nutrient availability throughout the growing season."

Keeping these primary nutrients in the ground helps you to realize their full value in terms of feeding the plant. It also reduces environmental issues associated with nutrient runoff.

The Precision Air carts, when coupled with the [AFS Pro 700 display](#), have prescription-based, variable-rate capabilities and [AFS section and rate control](#) for every two rows to avoid wasteful overlaps.

The Nutri-Tiller 955 allows for a true one-pass tillage system. It has the ability to work capably in higher residues immediately after harvest, and current planters such as the [Case IH 2000 series Early Riser](#) with floating residue managers can easily brush away any material that settled on the rows over winter.

Numerous studies show corn

✓ The Nutri-Tiller 955 Strip-Till Applicator is offered in widths from 20 feet to 60 feet and in eight, 12, 16 and 24 30-inch rows. The 30- and 40-foot models can be paired with Case IH Precision Air 5 series air carts.



4R Nutrient Stewardship

Case IH is a partner in the [4R Nutrient Stewardship program](#). Administered by The Fertilizer Institute, the program encourages efficient nutrient use and sustainable crop production using practices such as strip-till.



The 4Rs represent choosing the right nutrient source to apply at the right rate in the right place at the right time.

yields generally vary little between strip-till and conventional till. Seed corn producer DuPont Pioneer cites one four-year study on loam soil in northern Indiana where corn yields under strip-till were within one percent of full-width tillage.

"This tool mimics full-width tillage on a 10-inch strip," Long says of Nutri-Tiller 955. "And rather than spreading nutrients over the entire field, we're placing them precisely where the plant needs them." ■





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The Productivity Plus Account

can aid budgeting and forecasting for equipment-related costs. The detailed, easy-to-read statements help you to track expenses and plan cash-flow needs. To help keep equipment costs contained and clearly identified, it makes sense to have an equipment-specific line of credit.

For your convenience, you have the option to access and manage your account online at any time.

Flexible payments, special financing offers

The Productivity Plus Account is designed to help you save money as well as time. For example, throughout the year, seasonal promotions on parts and services may include special financing terms available exclusively to Productivity Plus Account holders.

"We explain to our customers that the Productivity Plus Account provides special financing and special offers," explains a Case IH



dealer in central Wisconsin. "It gives them more options than a regular credit card."

"Especially for customers whose incomes depend on crop sales, the extended payment options are really helpful," the dealer says. "They appreciate that flexibility."

"A lot of our customers use the Productivity Plus Account," this dealer adds. "The special offers, the flexible payment terms and overall ease of use are among the reasons they keep using it."

Take advantage of special parts and service offers by opening a CNH Industrial Capital Productivity Plus Account today. Apply for the account at your Case IH dealer or online at cnhindustrialcapital.com. ■



Benefits of a Productivity Plus Account

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- Convenient online access
- Simple, easy-to-read statements
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Meeting Plants' Needs



A Kentucky farmer focuses on nitrogen management

“We’re trying to be the most efficient we can be with what we have,” says Jason Strode.

Jason and his father, Richard, farm about 5,200 acres of corn and soybean crops near Owensboro, Kentucky.

Nearly 80 percent of their land is river bottom lying next to the Ohio River, presenting a mix of high-potential silty loam and sandy soils. “We have ground capable of 280

bushels of corn right across the road from land that produces 150,” he says. His goal is to maximize the yield potential each field offers.

Most recently, Jason says he’s focused on nitrogen management and looked harder at providing nitrogen to the crop when it needs it.

He saw the benefit by accident several years ago. He ran short of liquid nitrogen applied through one of his center pivots. Rather than refill

Jason and Richard Strode farm near Owensboro, Kentucky.



the tank, he completed watering without the nitrogen.

“At harvest, my yield map showed a pie-shaped slice in that field,” he says. “There was a 40-bushel yield drop where the nitrogen stopped.”

That convinced him of the benefits of lower rate applications throughout the growing season. He now applies one-third of the crop’s need as a pre-plant broadcast along with a burndown, another third at the knee-high V4 to V5 stage and the final application at V10. It’s all applied as 32-percent liquid rather than anhydrous, owing to a good local source for the liquid product.

“I do a lot of soil nitrate testing throughout the summer to calculate the need for the last two applications,” he says. “Sidedress here is a no-brainer. With CEC ratings from eight to 20, our soils can hold from 80 to 200 pounds of nitrogen. There’s no reason to add more because the soil won’t hold it.”

There’s also the potential for flooding on much of their land. “Between weather, rain and floods, the longer I can go without putting out nitrogen, the better,” he says. “I keep that money in my pocket until the plant actually needs it.”

Jason also tests for potassium and phosphorus every year on ground going into corn. Typically, this results in spreading 400 to 500 pounds per acre of potassium and phosphorus prior to planting. “That will carry 220-bushel corn and 70-bushel beans the next year,” he says. Spreading every two years on the corn-soybean rotation reduces spreading costs and gives time for potash to break down and be effective for the beans, he adds.

Thanks to ample groundwater, the Strodes have about three-quarters of their ground under center pivot irrigation. While it provides

the fertigation option, they are moving to applying all nitrogen through sidedress and with a sprayer, using Y drops for the last application, to cover every acre evenly.

The Strodes have moved to two-step tillage for corn-on-corn ground. They follow the corn combine with an 11-shank [Case IH Ecolo-Tiger 875 disk ripper](#). Then, a pass with a [True-Tandem 330 Turbo vertical tillage tool](#) later in the fall or early spring levels and conditions the soil for planting. One pass with the 330 Turbo handles tillage on ground going from soybeans to corn.

In high-residue conditions and where most flooding is likely, they run a Case IH 370 disk to aggressively size and mix residues. “We need to get those stalks into ground; otherwise, if it floods, it all floats around into big piles,” Jason says.

The Strodes run three [Case IH Steiger Quadtrac tractors](#), a 620 and two 550s. They bought their first one in 2009 in an effort to work fields that were soft and silty after weeks of being flooded. “We were getting stuck a lot until we tried a Quadtrac. They do a wonderful job of working in those conditions.”

He says they’ve stayed with the Quadtracs for their flotation, traction and narrow width when running on the roads. “Plus, with the suspended cab, the ride is so much better than a tire tractor,” Jason says.

They harvest using one [Case IH Axial-Flow 8240 combine](#) of their own, and they rent a second one. Their combine handles all the corn using a 12-row corn head plus some soybeans. They own two 40-foot Case IH draper heads, so they use the rented combine exclusively in soybeans. “We get most of our work done with our combine and only put about 150 hours on the rented one,” Jason says.

A new planter for consistent down pressure

This spring, they’ll be running a new 24-row [Case IH 2150 Early Riser planter](#), which will replace a 24-row 1250 Early Riser planter.

“We used the 2150 planter on about 100 acres last year and were really impressed with the stand,” Jason says.



▲ Jason Strode analyzes yield maps and soil samples to determine nitrogen needs vs. availability. His goal is to provide nitrogen at optimum stages of growth.

Like the one they tried, their 2150 planter will be equipped with the DeltaForce hydraulic down force for row-by-row control of gauge wheel down force. The system measures gauge wheel load 200 times per second and makes hydraulic



✓ Farming bottomland near the Ohio River provides ample groundwater for irrigation. The Strodes have recently added soil moisture probes to help determine proper water amounts.

adjustments as often as five times per second to add or remove weight on the gauge wheels.

Jason says he saw the [Pro 700 display](#) showing 400 pounds of down pressure on one row unit as it travelled on a compacted wheel track. Row units two rows over showed 150 pounds on softer ground.

“That consistent down pressure is really important, especially in reduced tillage,” he says. “It’s going to give more accurate seed depth for the variable soil types we have.

“We did a lot of digging behind this new planter, and we couldn’t find more than one-sixteenth of an inch difference in seed depth, no matter where it ran.”

Other features he noted include the sturdier cast-iron row units and their increased vertical travel, up to 22 inches.

Their test planter included the vSet2 meter and vDrive electric drive systems. Together, they deliver accurate and consistent seed singulation, population and in-row spacing even at higher speeds.

Their evaluations of the planter included running up to eight mph. “We’ve always seen that ‘slower is better’ with planters, but with this one, we couldn’t find that running faster changed anything. The stand, the spacing, the depth was the same, and

we didn’t see any yield difference at harvest.”

They’ll use the 24-row, 30-inch 2150 planter for corn and continue to use a 36-row, 20-inch 1260 Early Riser planter for soybeans. Both planters start to roll when the Strodes see nighttime temperatures forecast to stay above 50 degrees F. “Every year, the first beans we plant are the best,” Jason says. “We start both planters the same day.”

The Strodes credit service from the Case IH dealer, and especially their service technicians, for a majority of their equipment being red.

Looking ahead, Jason says his priorities include being ever-more efficient with nitrogen and their irrigation water.

As a member of the Kentucky Soybean Association, he says water-quality issues are an ongoing point of discussion.

“We need to be proactive about the quality of the water as it leaves the farm,” he says. “People point to agriculture as a contributor to phosphorus in streams, for example, but in some areas, homeowners and golf courses are significant contributors. We need to show how agriculture is working to make things better.” ■

Simple and Effective

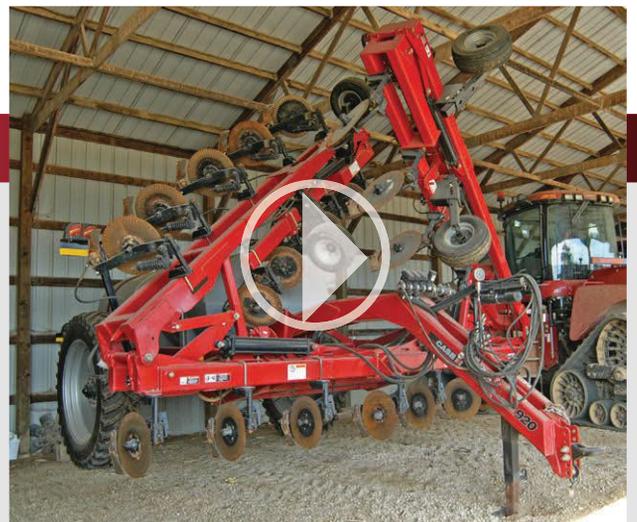
The Strodes use sidedressing as a way to provide nitrogen to the plant when it’s needed and reduce the chances of nitrogen loss.

Jason says this [Case IH Nutri-Placer 920](#) is a simple, durable and effective tool for sidedressing liquid nitrogen.

The 24-row unit has a 1,650-gallon tank and a hydraulic pump. Rates are managed by the AFS Pro 700 display, with GPS-based automatic section overlap control.

The X-fold design gives a transport height of 13 feet four inches. “It’s easy to fold and take down the road,” Jason says.

“It’s a great product,” he adds. “It’s held together really well compared to applicators we’ve had in the past.” [Watch the video.](#)



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Technology Helps Drive Product Quality

Case IH dealers use a new app to assess quality when equipment arrives on their lots

Just as technology is giving you greater insight into your fields' potential, new and unique applications of technology are helping CNH Industrial in its drive for "zero errors, zero defects" when manufacturing and delivering its Case IH farm equipment.

Anyone who has toured a CNH Industrial manufacturing facility has likely gained an appreciation for the multiple quality checks and confirmations that take place throughout the assembly process.

Now, CNH Industrial has developed an exclusive new tool to help Case IH dealers provide accurate, detailed and immediate feedback on the quality of the equipment as it arrives on the dealers' lots.

The Dealer Arrival Report tool provides a simple and structured way for dealers to evaluate every

product they receive from a CNH Industrial plant. It's part of the new Mobile Dealer Connect app that provides dealers with a broad range of interactive information to support sales, service, parts and financing.

The Dealer Arrival Report tool provides insight into a critical link of the overall quality control process as dealers report on equipment condition as they receive the equipment. Is it as good as it was when it left the plant? Are there any issues that might recently have occurred at the plant or during shipping?

"To understand how significant this new tool is, you have to look back at how things worked in the 'paper world,'" says Paul Gonsalves, a CNH Industrial quality manager who had a leading role in developing the Dealer Arrival Report.

Historically, this dealer arrival

reporting was done through paper checklists, he explains. Dealers completed the forms and faxed or mailed them to the plants. There, information from the forms would be hand-entered into an electronic database for further analysis.

Often, dealers sent forms in batches, perhaps monthly. At the plants, data might have been entered in batches a week or two later.

"There was the potential for valuable information about the quality of our products taking well over a month to reach people who could act on it," Gonsalves explains.

Now, any initial quality issues raised by dealers are reviewed and acted upon within hours.

Using the Dealer Arrival Report tool, dealers inspect arriving equipment with their smartphones or tablets in hand. The app prompts them to review and confirm more than 30 points, which all focus on the overall condition and quality of the machine, whether it be a tractor, combine, sprayer, windrower, baler or implement.

Each check point asks for a rating of "acceptable" or "unacceptable." Unacceptable ratings prompt for comments and allow for attaching an image of the problem.

After completing the inspection, the person doing the review grades the overall delivery quality of the machine as "poor," "fair," "good," "very good" or "excellent."

Then, the reviewer hits "send," and the review immediately goes into a sophisticated customer relationship management tool serving

CNH Industrial plants.

Any review designated “poor” or “fair” by a dealer immediately triggers an email to the quality teams designated for that particular product and the manager of the plant where the machine was built.

“This is a ‘red alert’ feature that requires our quality teams to contact the dealer to acknowledge the feedback and to learn more about the problem,” Gonsalves says.

The ability to immediately have images about quality issues adds greatly to the teams’ abilities to identify and solve problems.

If a review identifies a systemic problem, such as an issue with a new group of components that might be installed on a number of machines, then this new reporting system provides the quality team with the status and location of all potentially affected machines.

“We can identify equipment that might still be in the plant’s yards and make the fix,” Gonsalves says. “Dealers that might have affected machines are notified, and corrective actions are taken within the plant.”

Every “fair” or “poor” rating results in this review and a documented corrective action.

Consistent and quantifiable data

Each review instantly adds to the expanding database of overall product ratings for every product. Quality teams and managers throughout the various CNH Industrial locations can review these databases in real time to see whether there are any trends or anomalies to address.

“We’re getting accurate, consistent and quantifiable data that we can act on,” Gonsalves explains.

“The immediate feedback we provide to dealers who have flagged quality concerns has also helped encourage responses,” Gonsalves notes about the system. “They know their input matters and that a resolution will be made.”

Since initiating the new Dealer Arrival Report process, occurrences of “fair” or “poor” ratings have declined to less than two percent of all responses.

William Baasch, vice president of manufacturing for CNH Industrial

“Any initial quality issues raised by dealers are acted upon within hours.”

NAFTA, sees the Dealer Arrival Report and its associated chain of accountability as one step that has produced significant gains in overall quality of Case IH equipment.

“Several years back, we launched our World Class Manufacturing Processes and Principles,” he says. “It’s a lean manufacturing production system designed to continually drive improvements in all phases of manufacturing for increased customer satisfaction.”

He adds, “CNH Industrial is a world leader in quality in many of our product categories. New technologies like these, with quick quantifiable feedback and quality validation, are helping us further improve quality and strengthen customer relationships.” ■

✓ Using the new Dealer Arrival Report tool, Case IH dealers inspect all Case IH equipment upon arrival. Reports go to the plant where the equipment was built for immediate resolution. It’s part of a lean manufacturing system that has raised overall quality levels.





We rethought every inch of the new Case IH 2000 series Early Riser® planter with your productivity in mind. We applied Agronomic Design™ principles to make it simpler, faster, more durable and more productive. And we provided you with a bundle of industry firsts — from our rugged new row units that create the only flat-bottom seed trench to our state-of-the-art in-cab closing system — that give you even more control. The result is unmatched accuracy and emergence for a better plant stand and, ultimately, yield. Start rethinking productivity today at caseih.com/newearlyriser.



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From A Cockpit To A

An Illinois farmer ends 45 years of farming at age 95

Sooner or later, most farmers retire. For Dale Fulton, retirement came “later.”

Fulton, of Hammond, Illinois, decided in 2014, at age 93, that it was time to slow down, in part because of a rotator cuff injury. But he still kept his hand in, doing some field-work and staying involved in his farm’s decisions.

Last summer, at age 95, he decided it was time to retire for good and sell his equipment at auction.

Farming was actually Fulton’s second career. As a youngster, the Illinois farm boy developed an interest in flying and became a pilot at age 17. That experience led him to pilot transport planes globally during World War II.

After the war, he purchased a used P-51 Mustang aircraft. With it, he won first place at the National Air

Races in Cleveland in 1946, and he was featured in an article published in Life magazine.

He spent the next three decades flying internationally as a pilot for Trans World Airlines, but he often had farming in his mind as he viewed the world from the cockpit of a 747.

“I always took my vacations in October to help with the harvest,” he says. Upon retirement from the airline in 1981, at age 60, the home farm was calling him back.

A life-long bachelor, he took over the family’s 633-acre cash grain farm and was hands-on with all aspects until his retirement. During the later years, a neighboring farmer and friend, Rob Flavin, provided more

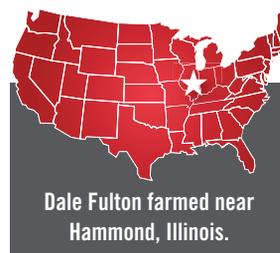
assistance for Fulton.

From the outset, Fulton used IH equipment and continued a tradition his father started.

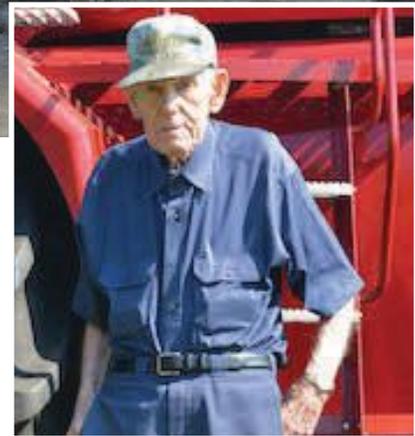
“My father bought two of the original grey Farmall tractors to replace his horses back in 1929,” he recalls. “The Farmall tractors had narrow front ends and could be used for row-crop cultivation.”

When Fulton started farming full-time, he also bought two tractors, International 1456s.

His farm was nearly all red from that time on. He experienced the dramatic changes in agriculture, from working with those first Farmalls to running his Case IH Steiger tractors equipped with autoguidance. With his extensive aviation background,



Dale Fulton farmed near Hammond, Illinois.



Tractor Cab

he saw the advantages of autoguidance and was one of the first farmers in his area to use it.

“Those 1929 tractors had very little horsepower,” he comments. “They didn’t have a starter or lights. I can compare that to my four-wheel drive Steiger that handled the 870 Ecolo-Tiger chisel plow very well. That tractor gave a comfortable ride, and with autoguidance, after a long day, I could get out of the tractor without much fatigue.”

Without any immediate relatives, Fulton and his Case IH dealer have become almost like family. He’s been a part of virtually every dealer open house and event.

“The dealer’s employees have been personal friends of mine for more than 40 years,” he says. “They’re all well qualified for all types of repairs.” In turn, they say Fulton knows nearly as much about the equipment as they do, with him

studying the operators manuals from cover to cover.

“He was a stickler for maintenance and did all his service work himself,” Fulton’s dealer recalls. “He’d always let the engines warm up and cool down and changed the fluids every year. If a decal blew off from a pressure washer, he’d buy a new one.”

When Fulton decided to have the auction, the list featured low-hour, meticulously maintained Case IH tractors, including a 2003 Magnum MX230 with 650 hours, a Steiger STX450 with 712 hours, a Steiger 335 HD with 287 hours and an International 856 with 3,172 hours.

Word of the unique auction spread, with the August event being covered by media including the St. Louis Post-Dispatch newspaper and Machinery Pete’s segment on “U.S. Farm Report” television.

Moving forward, Flavin is

▲ Retired farmer Dale Fulton spent his first career as an aviator and won an air race in 1946 (far left). As a farmer, he embraced new technologies including autoguidance on his equipment that was sold at auction.

farming the land for Fulton, with some of the proceeds going to a nearby retirement home.

“Hopefully, it will help keep their rates down,” Fulton says, with the pragmatism that comes with age and experience.

And he’ll make sure that Flavin continues to do a good job with the land by observing field operations from his pickup truck and maybe riding through a few rounds in the tractor cab at planting.

“It’s a happy time when the crop is up and off to a good start,” he says about time on the farm. ■

Seeking Higher Value

This producer looks for higher returns

“Our biggest challenge is finding labor and deciding how big our operation needs to be,” says Jason Girodat. “That’s something we debate quite regularly.”

He voices a concern shared by producers throughout North America. As the economics of farming keep changing, the target of what the ideal size of an operation should be, along with how to staff and equip it, keeps moving.

Jason has recently taken over the farming operation reins from his father, Gerald. They grow dryland wheat, pulse crops and oilseeds on about 14,000 acres near Shaunavon in southwest Saskatchewan.

For nearly 30 years, the Girodats have been producing pedigreed seed. Certified seed constitutes about 40 percent of Girodat Seeds Ltd.’s total production. Products include spring and winter durum wheat, barley, triticale, chickpeas, peas, lentils and flax grown for several seed companies.

“I wanted to get more value out of the crop, rather than simply dump it down the pit at the elevator,” Gerald explains. “Plus, being among the first to try out new varieties always interested me.”

Gerald, who has served on numerous seed associations including past president of the Canadian

Seed Growers Association board, continues to stay involved with the seed operations.

Starting with just 1 acre to 2 acres of breeder seed, the Girodats move each new variety through the select, foundation and registered stages to ultimately produce several hundred acres of certified seed.

At each step, they evaluate each variety’s potential and adhere to the quality assurance requirements set by the Canadian Seed Growers Association plus provincial and national agencies. “We’re quite regulated,” Gerald says, but the result is seed with purity and germination that are confirmed.

Adding technology

The seed business, along with their seed cleaning operation, has helped the Girodats gain more income from their crop and retain two good full-time employees.

Now Jason says they’re at a point where their seed plant is at capacity, and adding more land would require hiring another person; a tough challenge in this sparsely populated area where the oilfields continue to compete with agriculture for labor.

Technology could help. They say simply adding autoguidance helped them get more work done in a day. Now Jason sees adopting new capabilities such as [Case IH AFS Connect](#), which would allow him to view the status and settings of his combines from his office computer or tablet, bringing more benefits.

“Often, when a problem or question occurs, I end up going to the field to deal with it,” he says. “With AFS Connect, I can basically see the displays in their cabs, remotely, and save the trip.” When harvesting operations are in full swing, time savings like this can be valuable.

He’s refining his field and yield

✓ The Girodats dedicate an International 7200 drill and a Case IH Axial-Flow 1460 combine to seeding and harvesting the small plots used for breeder seed. They multiply the seed through the select, foundation and registered stages to produce and sell certified seed.



maps to provide greater accuracy. Having good maps will help his employees to locate the proper fields and give his landlords more insight into the land and its potential.

Both these points are especially appealing to Jason. He manages more than 40 quarter- and half-section fields plus many smaller fields necessary for multiplying seed.

Since coming back to the farm after college, Jason has expanded their acreage nearly fourfold largely through cash rent and share crop. The yield maps, he says, help him update his landlords with professional presentations.

In an area long dominated by wheat, Jason has introduced more oilseed crops into their commercial grain production. He's growing

“I want to do more than simply grow a commodity.

mustard, lentils, peas, flax and feed barley along with the spring wheat. Along with adding more marketing opportunities, these crops help to provide more rotation options for the certified crops and may help to break disease cycles.

As seed producers, the Girodats have long favored [Case IH Axial-Flow combines](#) for their ability to deliver a clean, whole sample.

“It's the rotor,” Gerald says. “On crops including peas and lentils, it's less damaging than a conventional cylinder combine. Even with the cereal crops, there are less cracks.”

Jason says a trip to the CNH Industrial combine plant in Grand Island, Nebraska, gave him new insight into setting and adjusting combines for different crops. “Seeing the combine in pieces gave me a better understanding of what takes place in there,” he says.

“For example, now when we see a dirty sample, rather than just focusing on the sieves, we look at the condition of the crop as it's reaching them,” he says. “It's helped us think differently about the process.”

The Girodats run three Case IH Axial-Flow combines, an 8240, an 8230 and a 7120. Each features a Case IH flex draper head for gentle crop handling, minimal header loss and the ability to run very close to



◀ Jason Girodat, after a mid-harvest snowfall. He's evaluating ways to gain higher returns by expanding certified seed acreage, growing higher value crops and possibly doing more processing.



Girodat Seeds Ltd.
near Shaunavon,
Saskatchewan



the ground for harvesting lentils.

They've kept an International 1460 Axial-Flow combine to harvest their small plots.

Three [Case IH Steiger tractors](#), a 600 Quadtrac, a 480 and a 400, handle seeding, any necessary tillage and the grain carts. A Magnum 305 tractor, a 7120 Magnum and a Farmall 45A handle additional chores large and small.

Replacing a Patriot 3320 that

served them well for eight years, a [Patriot 4440 sprayer](#) is new. It is an important tool for controlling weeds throughout the growing season.

This sprayer has the new-to-them AIM Command spray management system, which maintains correct application rates across the entire boom even as ground speed varies. Jason says they see more consistent spray coverage for improved weed control on headlands, as the sprayer

◀ The Girodats use flex draper headers for their seed-savings advantage, especially when crops are tough and tangled.

slows, turns and regains speed. "The AIM Command is definitely better," Gerald adds.

The Girodats say they appreciate the prompt and knowledgeable support from their Case IH dealer, even though they're an hour away. "Whenever we've had a problem, they have kept us running," Jason says. "They know our operation and what our needs are."

Going forward, Jason is more interested in producing higher value crops than further expanding production acreage. He says, "Maybe it's adding more certified seed acreage or doing more processing such as making flour.

"The growth of microbreweries could present opportunities for specific types of malting barley.

"I want to do more than simply grow a commodity. I'm looking for more ways to provide more 'value added' and have more control over the price we get." ■



▲ In a region where straight trucks are common for hauling grain, the Girodats say using grain carts has improved productivity.



WHEN YOU'VE SHOWN THE WORLD WHAT WORKS, THERE ARE BOUND TO BE SOME IMITATORS.

For 20 years, we've left the competition with some pretty big tracks to fill. But in the rush to keep up, there are a few things the copies have missed. Like our exclusive five-axle design. It gives our Steiger® Quadtrac®, Steiger Rowtrac™ and Magnum™ Rowtrac tractors a smoother ride and more power to the ground with less berming and compaction. Which is one of the advantages of paying your dues, instead of paying homage. Learn more at caseih.com/tracks.



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Think Differently About Hay Production

Autoguidance and tractor-baler interaction introduce new efficiencies

Discussions about equipment technologies that can improve productivity typically focus on row crops. But the production of hay crops, which trail only corn and soybeans in terms of overall dollar value of North American crop production, can benefit greatly from the application of [autoguidance](#) and other equipment management options.

Simple, low-cost assisted steering units such as the AFS EZ-Steer have been popular for lower horsepower tractors to provide consistent pass-to-pass steering where high accuracy isn't required, such as mowing with disc-mower

conditioners. Benefits include consistent, nearly full-width cuts, even when down or tangled crops make it hard to see your last pass, and reduced operator fatigue.

By using autoguidance, the advantages increase along with implement width.

Among Case IH products, more accurate autoguidance in hay production is possible with the [WD4 series windrowers](#).

Thanks to their accurate and precise hydraulic steering systems and AFS Pro 700 displays, these windrowers are ready for AFS AccuGuide autoguidance.

Especially when timeliness is critical, the ability of the WD4 windrowers to maintain pass-to-pass accuracy of plus or minus 1.5 inches, in all crop conditions, using headers as wide as 40 feet, is valuable.

Automated baler management

A new type of tractor-implement communication system is automating several steps in the hay-making process to make more consistent bales, faster, with less operator input.

Called ISOBUS Class 3, this

◀ New hydraulic steering systems on Case IH WD4 series windrowers use AFS AccuGuide autoguidance for accuracy of plus or minus 1.5 inches. Productivity gains can be significant, especially with draper heads up to 40 feet wide.



functionality allows for higher levels of two-way communication. It's available on model year 2016 and newer [Case IH Maxxum CVT, Puma](#) and [Optum](#) tractors

Here's what takes place when matching one of these Maxxum CVT or Puma tractors with a Case IH model year 2017 [RB5 series round baler](#) with the new Tractor and Baler Automation option: When the target bale size is reached, the tractor automatically stops. The net wrap is applied, and the bale is ejected, all without operator input. After the bale is ejected, the operator puts the tractor back into forward motion, and the process repeats itself.

"We're automating several steps that required constant operator attention and action," explains Brian Spencer, Case IH hay and forage marketing manager, about the technology. "It's part of bringing high-efficiency farming practices to hay and forage production."

This tractor-baler interaction reaches a higher level if combining a Puma CVT or Optum tractor and [Case IH LB4/LB434XL series large square balers](#). Here, the LB4/LB434XL series balers' Feedrate



Using the Tractor and Baler Automation option, this RB5 series baler will automatically stop the tractor, then wrap and eject the bale.

Control manages tractor ground-speed with two functions:

- Charge Control, available on rotor cutter configurations, adjusts the tractor's ground speed to maximize the amount of material going into the baler. It speeds up the tractor in thinner windrows and slows the tractor when the crop input becomes heavier. Ton-per-hour production can increase by up to nine percent.

- Slice Control, available on all configurations, varies the tractor's speed to produce the bale slice thickness you specify. You can produce identical bales with consistent weight, length and number of slices.

This Feedrate Control function is managed through the tractor's AFS Pro 700 display, which can also record valuable field data including the number of bales, tonnage and average moisture.

These capabilities are available when the balers are paired with a Case IH ISOBUS Class 3 tractor.

"We see the opportunity for a lot of hay producers to become more productive, definitely with



Adding autoguidance to hay operations helps to maintain full-width cuts in all crop conditions and reduce operator fatigue.

autoguidance for mowing and windrowing operations and with the new ISOBUS Class 3 automated operations for baling," Spencer says.

"These systems can help you get more done, faster, with less operator input and reduced fatigue while still producing a higher quality, more consistent hay product." ■



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Increase your productivity during the planting season. Visit us during this year's **Spring Readiness Sales Event** to set a new standard of efficiency in your fields.

Hurry in—offers end March 31, 2017.

Extended 6-month warranty

available with an existing six-month warranty on new and remanufactured parts installed by a Case IH dealer

Instant rebates on Precision Planting® and AFS®

with qualifying purchases

Earn Case IH reward cards on filters, lubes, coolants and knife kits

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Special financing available¹

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**GENUINE
PARTS**

High-Efficiency Parts Options

Think differently about managing parts

Current Case IH themes of “thinking differently” and “high-efficiency farming” can extend to how you access and manage parts for your equipment.

“For example, if you’re reaching for the phone when you need a part, consider turning to your laptop or computer instead,” explains Andrew Murdoch, who manages the online [Case IH Partstore](#). “As the

“Use Ready Stock to keep maintenance parts on hand.

example below shows, you’re only a few clicks away from identifying and ordering any of thousands of parts in the CNH Industrial Parts system through your selected Case IH dealer.

“Going online confirms the part number and shows you the schematic of the component. It adds a level of detail and accuracy.”

There are more efficient ways to order maintenance items such as fluids and filters.

“Every year, more producers take advantage of the Case IH Ready

Stock program,” says James Ruffalo, Case IH service marketing manager.

Your Case IH dealer provides the sturdy red parts cabinet for your farm shop, giving you a dedicated storage area for your filters and other maintenance items. And you can arrange for your dealer to keep the cabinet updated with genuine Case IH parts matched to your equipment’s needs.

“Always having these parts on hand in your shop makes it easier to do maintenance on your own schedule, without having to make a run to the dealer first,” he adds.

Parts kits are another efficient way to replace worn components, says John Guilfoyle, who develops repair and upgrade kits for Case IH customers. Popular for replacing wear items on tillage, planting and harvesting equipment, parts kits come with all of the correct extras such as bolts and washers to fit perfectly and make complete and long-lasting replacements.

Like genuine Case IH parts, all components in a

Case IH parts kit are covered by a six-month warranty.

Remanufactured components can represent another element in a more efficient parts and maintenance program. According to marketing manager Jamie Sullivan, “All Case IH remanufactured parts have been through a process that includes disassembly and thorough cleaning. The part is verified against the latest specifications and upgraded as needed. Then, it’s reassembled and tested to assure original-equipment performance.”

Once installed, a Case IH remanufactured part functions as well as an original, yet it can cost significantly less and have warranty coverage that equals or exceeds other Case IH replacement parts.

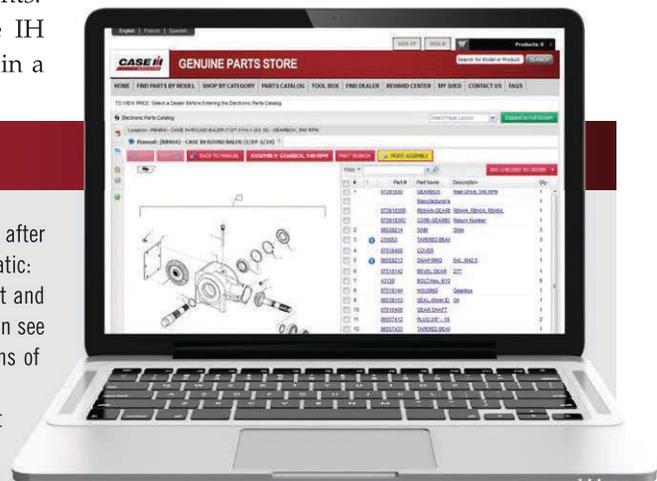
“All these options circle back to the Case IH dealer,” Ruffalo says. “They have the products, plans and resources in place to help you be more efficient, from a time and cost standpoint, for all your equipment maintenance and repair needs.” ■

Three Clicks to a Dipstick

Suppose you’ve lost the gearbox dipstick on an RB464 round baler. In three clicks after entering “baler” as a search term at [partstore.caseih.com](#), you’ll see this schematic:

The thousands of schematics on the Partstore site help you to confirm the part and part number you need. They provide details of the overall assembly so that you can see related parts. As you select the part, the site prompts you with recommendations of suggested parts to accompany your order.

You have the option of printing the pick list for reference, sending the order sheet to your dealer as a quote, or even purchasing the parts directly online from your local Case IH dealership.



NEW PRODUCTS

Case IH continually introduces new and updated equipment. Here's a look at several products that can bring added efficiencies to your farming operation.



Case IH WR series wheel rakes include four models with raking widths from 17 feet to 30 feet. All include 55-inch diameter raking wheels with 40 spring finger steel tines for effective crop movement at field speeds up to 14 mph. Simple adjustments and a transport width of 8 feet 3 inches help to maximize uptime. Efficient and economical Farmall tractors such as the **Farmall 140A** (pictured) are a good match.

The WR series wheel rakes are part of Case IH high-efficiency hay production equipment that includes mower conditioners, windrowers, mergers, round balers, small and large square balers and pull-type forage harvesters.

Back by popular demand, new 2wd Maxxum tractors combine efficient power with enhanced maneuverability and a tighter turning radius. Models ranging from 116 to 145 rated engine horsepower include all of the productivity, comfort and performance features that are hallmarks of the Maxxum tractors. All models feature power boost, which provides additional engine power (17 to 24 engine horsepower depending on the model) during mobile PTO, hydraulic and transport applications. These maneuverable 2wd tractors are ideal for hay and forage operations, vegetable production, dairy operations, municipalities and small-acreage mixed farms.



Create a high-efficiency seedbed to maximize the potential of every single plant. The **Tiger-Mate 255 field cultivator** features increased spring force to deliver a 20 percent increase in shank holding power. Shanks are thicker at eleven-sixteenths of an inch and stronger. Together, they keep the sweeps parallel to the ground for a consistently flat subsurface floor. This gives a smoother ride for the planter, contributing to more consistent seed depth.

The swept-back, high-concavity shank design helps soil ramp up and explode higher on the shank to effectively mix particles and break down tough clods to create a level, well-tilled seedbed. The Tiger-Mate's exclusive split-the-middle sweep pattern ensures 100 percent sweep coverage.

Easy-to-set implement leveling and depth control improves productivity; add finishing tools for additional soil management including clod sizing.

Follow the Tiger-Mate 255 field cultivator with a **2000 series Early Riser**

planter. Integrated with the latest Precision Planting planter technologies, 2000 series planters place seeds perfectly into

the Tiger-Mate 255's seedbed for fast, consistent emergence and accurate population control.





New 2160 Early Riser large front-fold planters combine proven Early Riser planting units and advanced Precision Planting seed delivery systems in a highly productive 36-row front-fold planter.

Offered in 20-, 22- and 30-inch row spacings, the 2160 Early Riser planter can be equipped with two center-section steerable tracks in place of four center section tires for improved compaction management.

The tracks are 18 inches wide on the 20- and 22-inch row models and 24 inches wide on the 30-inch models. They are set on 120-inch spacings for the 20- and 30-inch models, and on 88-inch spacings for the 22-inch model. These spacings match row spacings available on Case IH Steiger Rowtrac and Magnum Rowtrac tractors for maximum agronomic efficiency.

The vSet2 vacuum seed meters, vDrive electric drive motors and Hy Rate Plus LED seed sensors assure accurate seed management; the optional SpeedTube belt delivery system ensures high accuracy at planting speeds up to 10 mph.

A 120-bushel bulk-fill seed hopper is standard; choose the Smart Box option for granular chemical and a 600-gallon liquid fertilizer option.

Match the 2160 Early Riser planter to tractors of at least 380 engine horsepower.



Compact Farmall A series tractors are simple, economical tractors that can be matched with mowing, grading and material-handling equipment including Work EZ implements. The Compact Farmall 30A and 35A tractors deliver 25.8 PTO hp to 30.8 PTO hp from their three-cylinder, 1.5-liter turbo-charged Tier 4B/Final engines. Choose from 12x12-speed manual transmissions with forward-reverse shuttle or hydrostatic transmissions; front-wheel assist is standard on both models.

Features include an automotive-style dashboard, a semi-flat platform that can be entered from either side, differential lock, electrohydraulic PTO engagement, three-point hitch and a 540 rpm independent PTO. Add an optional mid-mount 2000 rpm PTO to power mid-mount mowers and front-mounted snowblowers. Choose an L340A series loader to lift, carry and load material.

Steiger series tractors are offered in seven models and multiple configurations to meet any application where high horsepower, traction and flotation are required.

Steiger 370, 420 and 470 models, at 370, 420 and 470 rated engine hp, sit on a 36.5-inch wide frame and a 148-inch wheelbase, ideal for putting power to the ground in row-crop applications including planting and sidedressing. Choose from wheeled models, Quadtrac models (Steiger 470) or Rowtrac models with a 160-inch wheelbase and four track width options from 16 inches to 30 inches.

Steiger 500, 540, 580 and 620 models deliver legendary Steiger power and performance for high-efficiency farming operations. These larger models sit on a 44-inch wide frame and 154-inch wheelbase, and they are rated at 500, 540, 580 and 620 engine hp. Choose from wheeled or Quadtrac versions on all, plus a Rowtrac version of the Steiger 500.

All Steiger models are powered by proven FPT Powertrain Technologies 12.9-liter engines (8.7-liter on the Steiger 370) with simple and efficient SCR-only emissions technology. Power Growth delivers at least 10 percent additional horsepower for all models, with the Steiger 620 producing a massive 682 peak hp.

The Steiger Surveyor cab provides a quiet, comfortable and roomy workplace with features including a 40-degree, right-hand swivel seat and a four-point cab suspension. The Case IH MultiFunction control handle, MultiControl armrest and AFS Pro 700 control center allows easy and efficient tractor operation. Optional integrated AFS Auto-Guide autoguidance maintains accurate and repeatable rows, even in reverse, which is helpful for irregular-shaped fields and point rows.



Autonomous Tractor Lights Up Social Media

Even without a driver, the Case IH Autonomous Concept Vehicle made a trip around the world within 24 hours of its unveiling.

Thanks to social media, images of this sleek driverless tractor were forwarded and shared to the global agricultural community immediately after its introduction at the Farm Progress Show in Boone, Iowa, last August.

“The next morning we were seeing comments about the tractor from countries including Russia, China and Brazil,” says Leo Bose, Case IH AFS marketing manager. “That speaks to how interconnected the world is and how intrigued people are with this new concept tractor.”

The fully functional Case IH Autonomous Concept Vehicle was introduced as a platform to show the future potential of current Case IH AFS precision farming technology.

Based on a Magnum 370 CVT tractor, this Autonomous Concept Vehicle can drive itself to a field on pre-mapped private farm lanes and begin working with an implement such as a disk ripper, field cultivator or planter. It can identify obstructions and respond to corrective actions inputted by an operator monitoring the tractor remotely through a desktop computer or portable tablet interface.

Its operation and guidance are managed by current [AFS guidance systems](#) plus technology including radar, Lidar (light imaging, detection and ranging) and onboard video cameras. Case IH is



extensively evaluating the vehicle and overall autonomous concept to determine potential future introduction plans.

Varied reactions

Reactions, shared online and in person at farm shows, have varied from people visualizing how this tractor could expand their personal productivity to people wary of new technology and lamenting the thought of no longer being able to drive a tractor.

“First off, if and when this tractor is introduced, it won’t replace traditional

tractors,” Bose explains. “People will be driving tractors for a long time. But this level of automation is appealing to producers interested in high-efficiency farming.”

Bose shares that “finding good help” is a challenge that Case IH hears from producers throughout North America. It’s also a problem in developing countries, where a lack of skilled labor in rural areas hinders agricultural expansion.

Autonomous equipment can help.

“Producers quickly see the potential in having a tractor like this running a disk ripper immediately after harvest to free up a person at a busy time,” Bose says. “Or running a planter where the fully automated functions would be more accurate and precise compared to what an operator could do.”

“We’re looking at applying technology where it can provide the most value,” he explains. “Farmers who continually struggle to find good help see the potential in automating repetitive tasks. This can free them and their employees to do higher value work.”

“These producers are thinking differently,” he adds. “They see an autonomous vehicle like this increasing equipment utilization and helping them get more work accomplished with limited labor. That’s why this concept is appealing to them.”

Would an autonomous tractor have a place in your operation? How would it help you? Let us know at www.CaseIH.com >Connect with Case IH>Contact Us.



◀ The Case IH Autonomous Concept Vehicle has successfully performed field work and is undergoing further extensive evaluations.

175 Years of Innovation

If the sight of a driverless tractor seems startling, imagine the scene in the early 19th century when farmers first saw a steam engine doing the work of a team of horses. Or a bit later, seeing a Farmall tractor perform a variety of previously unmechanized tasks with ease.

For 175 years, innovation in agricultural equipment has taken many forms, with the Case and International Harvester names being constants.

In the early 1800s, thresherman and inventor Jerome Increase Case moved from New York state to fertile land in the Midwest and settled in Racine, Wisconsin. There, he further developed his small hand-cranked machine that greatly improved mechanical threshing.

The success of this innovative thresher led J.I. Case to establish Racine Threshing Machine Works, which eventually became the J.I. Case Company.

Throughout the late 1800s, both the J.I. Case and Racine names became known throughout the world for their leadership in steam-powered tractors and threshing equipment.

Seventy-five miles to the south in Chicago, five independent farm equipment companies came together to form International Harvester in 1902. The company introduced its first tractor in 1906 and its first combine in 1915.

The two companies competed with iconic products, such as the Case DC and SC series tractors and the International Harvester Farmall tractors, and a progression of increasingly productive tillage, planting and harvesting equipment.

Each company had compelling entries when high-horsepower, four-wheel drive tractors became popular in the 1960s as they released rigid-frame tractors including the Case Traction King and the International Harvester 4100.

J.I. Case acquired the agricultural division of International Harvester in 1985. The new organization completed developing its first new product, the Case International Magnum tractor, and introduced it to its dealers in 1987.

The immediate success of these new tractors proved that these two former rivals were stronger together and that great things would lie ahead.

Today, Case IH names including Steiger, Magnum, Farmall, Axial-Flow, Early Riser, AFS and others symbolize a rich heritage and industry-leading innovation.

The brand headquarters of Case IH now set in Racine near the site where thousands of steam-powered tractors were produced. And just as those early threshers and tractors were shipped around the world, new Magnum tractors are assembled in the company's Racine Manufacturing Operations for delivery to progressive agricultural producers throughout the globe.

The Case IH 175th anniversary is a testament to many years of quality, perseverance and progress. It's an occasion to reflect on the company's guiding principles of innovative engineering, efficient power and agronomic design, which have helped agricultural producers around the world be more efficient, lower cost producers of food and fiber.



Canadian Farming is sent
to you compliments
of your Case IH dealer



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

Demanding livestock duties, larger hay operations or heavy loader work – utility 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 a wide range of upgrades and attachments, there is a utility Farmall U tractor that fits the way you farm. To learn more, see your Case IH dealer or visit us at caseih.com.