

CANADIAN FARMING

August/September 2011

CASE IH
AGRICULTURE

Powerfully simple

**Minnesota growers
put new Tier 4A
tractors to the test**



EXTREME RESIDUE MANAGEMENT

Case IH demonstrates the industry leading solution

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GENERATION OF
CANADIAN FARMING**

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While other manufacturers scramble for long-term solutions, ours are already out there in the fields. And now, the same industry-leading Selective Catalytic Reduction (SCR) technology you'll find in our high-horsepower tractors is available in our all new Axial-Flow[®] combines and Patriot[®] sprayers. More power. More fuel efficiency. Lower emissions. Roll into your local Case IH dealer or visit caseih.com/efficientpower.

BE READY.



Join the conversation.



ON THE COVER:

A Steiger 600 Quadtrac tractor matched with an Ecolo-Tiger 870 disk-ripper has the power and ability to manage heavy, tough crop residues.



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OUR MISSION:

To provide you with information about Case IH equipment, trends in agriculture and growers' experiences to help you successfully manage your farm business.

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EFFICIENT POWER

Last year, there was a lot of interest, yet anxiety, in many farmers' minds about how the new Tier 4A emissions-compliant tractors would perform.

Now, with thousands of hours logged for spring tillage, planting and seeding, we're pleased to report that our new Case IH Magnum and Steiger tractors equipped with Tier 4A selective catalytic reduction (SCR) emissions systems are delivering what our engineers intended: dramatically more power and improved fuel efficiency compared to the models they replaced. These tractors are using less fuel, which is good for bottom line, and producing lower levels of emissions, which is good for the environment. The fact is that these engines were produced with a priority on efficiency while meeting reduced emissions mandates.

The Case IH solution to meeting Tier 4A emissions involves using diesel exhaust fluid (DEF) – a step that owners say is no more complicated than adding washer fluid. And, thanks to the reduction in fuel consumption, overall operating costs are reduced for most operators, even considering the nominal cost of DEF which is consumed at a rate of 3 to 5 percent of the fuel consumed.

Our SCR-equipped tractors display the new Efficient Power logo. It symbolizes technology that delivers improved overall operating efficiency. It's technology that makes a difference from the moment you start the engine and notice the nearly-odorless exhaust to realizing that you're getting more production from each gallon of diesel fuel. On average, these SCR-equipped engines are showing 5 to 10 percent gains in fuel efficiency compared to the previous models.

These new engines are just part of the total performance package the current Magnum and Steiger tractors represent. Throughout, they have many new features that help you be more efficient. Examples include more functions consolidated at your fingertips on the MultiControl Armrest, and easier access to information presented on the new AFS Pro 700 color display.

In the field, these tractors, like all Case IH equipment, are supported by the industry's best dealer body and field organization. Case IH dealers are backed by company product specialists who bring additional insight and experience.

These specialists are out in the field every day, working hand in hand with Case IH dealers and customers. They're helping farmers, and they're constantly learning more about what growers like you expect from equipment ... Case IH people working alongside producers to make a difference.



Jim Walker

Vice President
North American Case IH
Agricultural Business

LESS LAND, INCREASED DEMAND, REQUIRES HIGHER PRODUCTION

This past spring, areas in North America with “perfect” planting and seeding conditions were few and far between. Many growers either couldn’t plant because of wet conditions, or watched newly planted crops wither in drought conditions.

This scenario helped drive home the reality that available cropland is truly limited. In fact, available acreage has been on a long decline. Statistics Canada reports that between 1951 and 2001, the supply of dependable Canadian farmland declined by 4 percent, while the demand for cultivated land increased by 20 percent. According to the American Farmland Trust, farmland in the U.S. has declined by 23 million acres over the past 25 years.

This map from the United States Department of Agriculture shows the change in farmland acreage from 1992 to 1997. Each dot represents



2,000 acres. Red denotes acreage losses; green show acreage gains. Clearly, even in this brief period, the trend is a loss.

Globally, the picture isn’t any brighter. Although about 3 percent more land has been brought into production since 2008, a result of higher commodity prices, it tends to be of lower productivity, according to a [recent Farm Foundation report](#). There aren’t significant new areas similar to Southwestern Ontario or prime regions of the Prairies – with desirable combinations of soil quality, weather and water – poised to come into production anytime soon.

Despite Canada’s size, dependable agricultural land is scarce; only about 5

percent of Canada’s land is free from severe constraints to crop production.

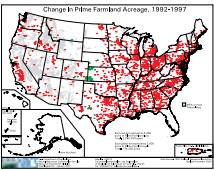
In fact, much of the world simply doesn’t have land suitable for significant agricultural production. [Browse the various maps](#), such as “Inherent Land Quality” to get a sense of how limited high-potential crop production areas are.

For the foreseeable future, it’s up to you – the North American producer – to meet much of the growing demand for food and fiber driven by a world population that’s increasing by more than two people per second.

Doing so requires higher yields. Getting higher yields demands a wide range of initiatives ranging from creating an

Download

pdf version of the U.S. map showing the change in prime farmland acreage (1992-1997).



environment that helps every planted seed reach its maximum potential to harvesting every seed and kernel in the field.

Case IH has embraced this challenge with equipment systems that help maximize the efficiency and output of every step of the production process.

And, the company wants you to have special insight into all the factors affecting the availability of land and what it takes to gain the most production from it.

The Case IH blog site, [Be Ready](#), includes a section on Available Land. There, you’ll find frequently updated postings ranging from global land use to dealing with planting in mud. Other Be Ready sections provide insights on Alternative Energy, Government Mandates and World Population.

The world of farming is changing. Will you Be Ready? ■

Join the conversation.

EXTREME RESIDUE MANAGEMENT

CASE IH DEMONSTRATES THE INDUSTRY-LEADING SOLUTION FOR WORKING WITH HEAVY, TOUGH CROP RESIDUES

The word “extreme” is popping up more often in discussions about cash crop production. Extreme weather has reduced the time available to work in the field. Extreme residues, both heavy and tough, pose greater challenges for preparing adequate seedbeds. Extreme swings in commodity prices add another level of intensity.

Case IH recently combined two of their tools best suited to meet these extremes – the new **Case IH Steiger 600 Quadtrac tractor** matched with a **Case IH Ecolo-Tiger** disk ripper – and shared this setup with a group of growers looking for residue management solutions.

At 670 peak hp (600 rated engine hp), the Steiger 600 Quadtrac delivers massive power that's put to the ground through the exclusive four-track drive system. By now, the

Quadtrac's benefits of outstanding flotation and full power through turns without slippage or ridging are well known. Wheel versions of the Steiger 600 offer a wide range of tire options including triples to meet specific applications.

As with all new Case IH tractors over 100 hp, all Steiger models include selective catalytic reduction (SCR) using diesel exhaust fluid (DEF) to meet Tier 4A emissions standards. One look under the hood shows how this

system has simplified the emissions controls surrounding the engine. Without the need for exhaust gas recirculation, these Case IH engines can be tuned for maximum power and efficiency, rather than emissions. The emissions are treated in the exhaust stream using the DEF and an SCR chamber. The result is a cooler, cleaner running engine, with more power, and fuel efficiency gains of up to 10 percent compared to previous models.

New features further improve operator

The Ecolo-Tiger disk ripper sizes and mixes heavy, tough crop residues and fractures compaction that can limit root growth. A cutaway into the soil profile (above) shows this unique action.



Listen (0:19)*to Ryan discuss the Ecolo-Tiger 870.*

comfort and productivity. A new suspended cab is standard on Steiger Quadtrac models which improves overall ride quality, especially on pavement. A new MultiControl Armrest puts additional functions such as forward/reverse shuttle at your fingertips. A 24-volt starting system delivers higher engine cranking power, the service brakes are more responsive, the transmission shifts more smoothly, and the new AFS Pro 700 display can display input from two remote video cameras.

Case IH tillage product specialist Ivan Rieke encouraged growers to identify the compaction zone in their own soils as the best way to determine how deep to run the Ecolo-Tiger 870.

**Listen (0:19)***to Ryan's impression of the Steiger 600 Quadtrac.*

Ryan Dambacher and his family farm near Auburn, Illinois, and own previous-model Quadtrac tractors, three 485s. He operated the new Steiger Quadtrac 600 and noticed the differences in the new model.

"They've made improvements," he says, citing the ride quality with the suspended cab, and the new armrest controls.

He says they've appreciated their Quadtrac tractors' traction and compaction advantages in the wet conditions his family has faced over the last year. "We went with the Quadtracs to spread the weight over more surface area to reduce compaction, and I think they've done that."

For the demonstration, Case IH product specialists matched the Quadtrac 600 to a 26-foot Ecolo-Tiger 870 disc ripper. It's a good marriage: the 13-shank implement



requires 455 to 520 PTO hp to run at its recommended speed of 7 mph. Other sizes include 14-foot 7-shank, 18-foot 9-shank and 22-foot 11-shank versions, with PTO hp recommendations starting at 252.

The Ecolo-Tiger 870 is designed to fracture root-limiting compaction, size and mix tough residues including Bt cornstalks, and condition the soil and residue ahead of planting. And, it has special features for long life and reduced maintenance.

Up front, aggressive 24- or 26-inch diameter disk gangs slice residues and mix soils. Following them are auto-reset shanks with 2-inch or 7-inch tiger points that perform a unique "lift, twist and roll" action that restores pore space in compacted soils and enables nutrient cycling.

A patented leveler follows the shanks using

Ryan Dambacher attended a Steiger/Ecolo-Tiger demonstration. As a current Quadtrac owner, he says he noticed the improvement in the on-pavement ride resulting from the new cab suspension now standard on Quadtrac tractors.

opposing blades that spread and level clods and residue.

At the rear of the implement, a double-edged reel sizes large clods, levels the soil, and increases soil-to-residue contact for faster decomposition.

"Residues break down best in the top three inches of the soil, so we want to keep them there so they won't be a problem in the spring," explains Ivan Rieke, a Case IH tillage

Listen (0:58)*to Ivan describe efficient operation of the Ecolo-Tiger 870.*



specialist on-site for this demonstration.

When he demonstrates this system, Rieke says farmers often ask how deep they should run this type of implement. The answer, he says, depends on individual field conditions, specifically, residue amounts and where the compaction layer begins. Along with maintaining residues in the top three inches, Rieke encourages looking at effective fertilizer inversion.

An advantage of the Ecolo-Tiger 870 is its ability to have each of its components set precisely the way you want it to meet your residue management goals. Performance monitors on new tractors can help. “You can make depth adjustments and see the change in fuel per acre and acres per hour. We have decision-making tools we didn’t have a few years ago,” Rieke says.

Tim Seifert, another Auburn, Illinois-area

grower who evaluated the Steiger/Ecolo-Tiger combination, listened carefully to the information about residue management. “Ivan talked a lot about getting residue to soil contact. Having an easier way to break these stalks down is key,” he says.

Seifert says he’s using “old” tools: a disk and a field cultivator. “When one doesn’t work, I can use the other one.” But the capabilities of the Ecolo-Tiger 870 captured his interest.

“With the system they’re promoting here, it looks like there’s a tremendous savings in fuel, in time, and in being able to cover more ground, as well as doing a quality job,” he says.

In the field, the Steiger 600 Quadtrac pulling the Ecolo-Tiger 870 makes a formidable combination. The operator’s cab is smooth, quiet and comfortable. The tractor’s Diesel Saver Automatic Productivity Management

Listen (0:52)

to Tim describe his residue management challenges.

Tim Seifert’s a long-time user of a disk and field cultivator. He says new tools such as the Ecolo-Tiger 870 look like a more efficient way to work with heavy corn residues.

System seeks the best combination of engine speed and gear selection to maintain the implement’s recommended 7-mph working speed. The Case IH AFS AccuGuide autoguidance system provides accurate hands-off steering. The AFS Pro 700 display shows the implement’s progress across the field, and provides instant information on fuel use and acres per hour as the operator makes minor depth adjustments to the implement.

The Ecolo-Tiger 870 works through the

residues, slicing, mixing, ripping, leveling and firming. In front of it are heavy residues and hard compacted soils. Behind it lie soil that’s open to air and moisture.

It’s the kind of performance that is capturing the interest of cash-crop producers dealing with the “extremes.”

“That 870’s kind of exciting,” says Dambacher, who says several 870s are working in his area. “I’m impressed with how level it’s able to leave the seedbed in the fall.” ■

MORE FLOTATION. LESS COMPACTION.



Roll over the buttons

to read more about the Steiger 600 Quadtrac.

EMBRACING CHANGE

A SASKATCHEWAN GROWER THRIVES ON MEETING FARMING'S CHALLENGES



Guy Cadrain looks for new equipment and practices that will help him be timely and efficient in the short growing season he faces on his operation north of Saskatoon, Saskatchewan. Using the Quadtrac tractors, he says they've seeded acres that otherwise would have gone unplanted in the recent wet spring conditions.

“It wasn’t always my goal to farm, but fate pushes you in different directions,” says Guy Cadrain. And while he might have viewed other careers as a young man, he’s found farming offers him the latitude to try new approaches to common challenges.

Cadrain, who farms near Leask, Saskatchewan with his wife, Karen, stepped into farming in 1993 after a great-uncle he worked for passed away. “There were several decisions to make, either to farm or not,” he says. He ceased his agriculture studies at the University of Saskatchewan and assumed the operation.

The farm, at 1,335 acres, wasn’t that large by Prairie standards, but had some good

equipment. Expanding was the logical thing to do. “We started renting land in 1994, and have been adding ever since,” he says.

Today, the Cadrains farm about 20,000 acres of canola, wheat, oats, peas and lentils. Along the way, they’ve taken steps to improve overall efficiencies. Maximizing equipment has been key.

Cadrain says they tripled their acreage in 1995. The few years following that expansion

were a “real struggle,” he recalls, a period of slim margins and trying to find the best balance of equipment and acres.

Acquiring more land helped, as they were able to spread equipment costs and justify hiring employees. Today, they farm with seven employees, five big tractors, two sprayers and five combines.

“Being able to maximize the equipment is the big thing,” he says. “Adding land and not

adding equipment is a valuable asset.”

With his 20th crop in the field, Cadrain says there have been a few key moves with equipment that have made a difference in the operation. Adopting autoguidance based on RTK signals greatly improved overall efficiency, Cadrain says.

“Autoguidance helps with operator fatigue; it definitely helps with overlap,” he says, noting they began using it in 2004.

This former country elevator in Leask is one of four that the Cadrains purchased. Refurbished and updated with grain drying systems, he says they’ve proven to be a great asset to the farm.



Future farmers? The Cadrains say a priority for equipping and managing their operation is having time available to spend with their young family. Here with Karen and Guy are Brianne, Brooke, and twins Danielle and Devin. Not pictured, daughter Brittany.

“Overlap on our farm has gone from 10 to 14 percent down to about 5 percent and we see the bottom line savings in seed, fertilizer and chemicals. When we’re dealing with some canolas that are \$9 to \$10 a pound, the savings can be substantial.”

Switching to Steiger tractors ranks as another step forward in efficiency. They purchased their first Case IH tractors, **Steiger 430s**, in 2006. After buying a **Quadtrac 530** in 2007, they now own four Quadtracs and one Steiger on wheels.

“Moving into the track machines has made a huge improvement,” Cadrain says. With the last two wet springs here, had we not had those Quadtracs, we’d have substantially fewer acres seeded.”

Two **Case IH Patriot 4420 sprayers** have played a similar role, getting crops sprayed in the recent tough conditions. “This year, we’ve sprayed over 50,000 acres and only got stuck once, which is amazing compared to how much growers with other equipment have been stuck. It’s unbelievable what these

sprayers can go through,” he says.

Cadrain has been using Case IH sprayers since 2002 and says they are becoming one of the most important pieces of equipment on the farm. They’re equipped with a full range of options including AutoBoom boom height control, AccuBoom section control, the Case IH Viper Pro controller and AIM Command.

Those last two options have greatly increased productivity. The Viper Pro controller manages autoguidance and section control, minimizing overlap. “I think we’re down to 1 percent or less on overlap. It really does a nice job,” he says.

AIM Command, he says, lets them put in full days of spraying in nearly all conditions. “It has to be pretty breezy before we shut down,” he says.

These advances, plus the Patriot sprayers’ comfortable cabs, have made spraying one of the desired jobs on the farm. “Back when we were dealing with foam markers, no one wanted to run a sprayer. Now, if they have a choice, they’ll drive a sprayer over anything else,” Cadrain says.

With autoguidance and site-specific yield mapping in place, Cadrain says he plans to try prescription applications of fertilizers with an eye on managing crop maturities. “By managing fertilizers, I think we can get maturities more consistent in our canolas and wheat and hopefully move toward straight-cutting these crops which we traditionally haven’t,” he says. Doing so could also reduce the amount of burndown spraying they do to control maturities.

For the past three harvests, Cadrain has demoed Case IH Axial-Flow combines. Their

“**It’s unbelievable what these sprayers can go through.**”



“**Autoguidance helps with operator fatigue, it definitely helps with overlap.**”

threshing performance plus the greater capacity of the Class 9 machines convinced him to trade this year for his first red combines, five **Axial-Flow 9120s**.

“We had a really difficult harvest with the tough grain in 2009. We were harvesting wheat with moisture in the mid-20s, trying to get it off. We noticed at least a 15 percent capacity difference between our Class 8 combines and the Class 9 9120. It was able to put the product through better.

“We think these Case IH combines are at the forefront of technology, and they are an opportunity to move up a tier in combine size,” he adds.

He also sees an advantage using the Axial-Flow 9120s in the heavy straw he faces, as they break it up more aggressively and spread the straw nearly the full width of the headers. That’s an advantage come spring as he direct-seeds most crops.

“Straw has a value. We don’t burn it; we don’t remove it; we manage it to some fashion,” he says. Typically, they run a heavy harrow as one pass prior to seeding to mix the straw and soil. The benefits, he says, are improved moisture retention and reduced soil erosion.

The Cadrains don’t hesitate to experiment and try new practices. For example, a new shop and equipment storage building has in-floor heating using geothermal as the heat source.

With a new house under construction at the farm, they wanted good water and invested in a reverse-osmosis water treatment system. Cadrain reasoned that high-quality water free of impurities and pH controlled could make crop chemicals more effective, so he added



The Cadrains run five Axial-Flow 9120 combines, figuring about 5,000 acres of harvesting per machine. The shop and equipment storage building has geothermal floor heat.

enough treatment capacity to meet some of his spray water needs. “Now we’re evaluating to see if we can use less chemical and still get the same results,” he says. “Maybe it’s worth spending 25 cents on the water and saving \$5 on the product. We want to do more research with this.”

And, with grain storage facilities an asset for any operation, Cadrain saw potential in buying and reconditioning old country elevators rather than investing in new grain handling systems. They have four old elevators, and one full-time employee handles all the grading, drying and blending.

“We’ve done a lot of upgrading to these

elevators, which can handle most of our grain. They’ve been a huge asset.”

Cadrain is quick to credit his employees for making things work well. Several have special skills, such as electrical and welding, which adds to the range of projects the team can handle. Karen’s role ranges from sharing in management decisions to providing field meals during harvest, which Cadrain says goes beyond just food. “When everyone can take a break with a good meal and a good

dessert, which Karen does very well, it eases the pressures of the day,” he says.

“We never set out to be at this size, but we’re at a very comfortable level,” Cadrain says. “I want to be as productive as we can before expanding any further. And I know that what we’re doing today isn’t what we’ll do in five years. Technology is changing, and we like to be at the forefront. That’s what makes farming exciting.” ■

[Click](#) to peek inside



**MINNESOTA
GROWERS PUT
NEW TIER 4A
TRACTORS
TO WORK**

POWERFULLY SIMPLE

Don, Steve and Brian Lacey handled their spring tillage with this Magnum 315 tractor and a Steiger 500 tractor, both equipped with the new selective catalytic reduction system.



Any concerns about dealing with diesel exhaust fluid (DEF) on new Tier 4A emissions compliant tractors are likely overstated, in the opinion of one family who ran three Tier 4A tractors this spring.

“Honestly,” says Brian Lacey, “it’s not that big of a deal.”

The Laceys – Brian, his wife, Debbie, and sons Steve and Don – farm about 3,500 acres of sugar beets, corn, sweet corn, soybeans and barley near Wendell, Minnesota.

They put several hundred hours on three Tier 4A Case IH tractors – a **Steiger 500**, a **Magnum 315** and a **Magnum 210**. They say any initial concerns about the complexity or time requirements of dealing with the diesel

exhaust fluid (DEF) that’s part of the **Case IH Tier 4A solution** simply haven’t become factors in working with the equipment.

“About three to four minutes every third day is what it took us to fill up DEF,” says Steve. The new Case IH Steiger and Magnum tractors are designed to a full day – 10 to 12 hours – on a full tank of fuel. The DEF tank is sized to last for approximately three tanks of diesel fuel, depending on operating conditions.

Like many farmers, the Laceys wanted to

update their equipment during a profitable year in 2010, but faced the choice of buying the last of the Tier 3 compliant 2010 model year tractors, or getting the new 2011 Tier 4A tractors.

The Tier 3 tractors were familiar, recirculating approximately 10 percent of the engine exhaust back through combustion to meet the Tier 3 regulations. The Tier 4A tractors introduced the new emissions systems.

There are two approaches to meeting

Tier 4A regulations. The DEF-based Tier 4A system Case IH chose for its tractors and equipment over 100 hp is called selective catalytic reduction (SCR) which treats the exhaust after it’s left the engine. It’s new to North American farm equipment, but has been used in Europe in heavy-duty trucks for several years. Beginning in 2010, SCR has also been used on diesel cars and trucks in North America.

Because the engines using SCR can be tuned for maximum efficiency rather than emissions management, they deliver more power, improved fuel efficiency and extended engine oil and filter service intervals.

Another Tier 4A approach is to use higher levels of exhaust gas recirculation – up to 30 percent – without needed DEF. While meeting the emissions requirements, this approach reduces combustion efficiency while putting an increased load on engine cooling systems because of the higher volume of exhaust gas recirculation, compared to Tier 3 engines. The SCR system used by Case IH has no exhaust gas recirculation.

The Laceys say the differences and advantages of these two systems were clearly explained to them in several Case IH presentations they attended, including a Red Power Tour at their Case IH dealership, and at sessions at AG CONNECT in Atlanta, which Steve and Don attended.

At those sessions, Brian says they realized that SCR eliminates all the internal engine emissions complexity. “It’s going back to what the engine used to look like before they had all these extra components on there to scrub the exhaust,” he says.

Along with the simpler engine, Brian says

they learned about the potential for up to 10 percent savings in fuel, which really caught his attention. “We go through three or four tankers of fuel every year, so that would make a big difference,” he says.

Based on what they saw and heard at the meetings, the Laceys ordered the three tractors in time to put them to work for spring tillage and planting.

In the field, the new Tier 4A engines met their expectations with ample power and fuel consumption they say appears to be less than with their Tier 3 tractors, which included a Magnum 305, which they still own, and a Steiger 480.



Hear more about why the Laceys chose a Case IH Axial-Flow combine on tracks.

“We were trading two 2300 Series combines for the one 8010, so the tracks made sense. With one machine, it has to run, no matter what,”

Brian says, referring to the wet field conditions they frequently face.

Brian says this spring’s wet conditions often had them doing multiple jobs in one day, making fuel comparisons difficult.

“I’d do a few hours of this, a few hours of that,” he says. “My feel for it is yes, we’re using less fuel.”

Steve says he did an informal but unique fuel use comparison between the new Magnum 315 and their Magnum 305 by simply running down the road and comparing the fuel use readout on the tractors’ digital display.

“Same road, same speed, same weights, same tires ... the computer on the 305 said 8.5 gallons per hour; the 315 said 5.5,” he says.

Much of the industry’s talk about the Tier 4A tractors has focused on handling and using DEF. The Laceys say they received one 250-gallon tote and pump with each new tractor, as part of a Case IH promotion for the new models. They’ve positioned a tote by their fuel pump so they can pump fuel and DEF at the same time.

“It hasn’t made much of a difference in our service time in the morning,” Steve says. “I’m impressed with that.”

One unexpected benefit the Laceys report is how little exhaust odor the new engines produce. “We really notice it when we move the tractors in the shop,” Steve says. The exhaust from SCR engines consists of water vapor and nitrogen.

Don says he found another surprise when he pulled the dipstick on the Steiger 500. “With nearly 200 hours on it, the oil looked like new,” he says. That’s a direct result of eliminating exhaust gas recirculation. It’s also why Case IH has extended engine oil and filter service intervals to 600 hours. The



Laceys say they don’t know if they’ll wait that long for changes, but note that it gives them more flexibility for scheduling the service.

“We’ll be able to do oil changes between operations when we have time,” Brian adds.

The Laceys have a history of being early adopters of new technologies. They were one of the first in their area to run a Case IH Quadtrac tractor. A Quadtrac 550 they purchased this summer is the fifth Quadtrac they’ve owned. When Case IH introduced the Axial-Flow combine on tracks, they purchased one of the early model 8010s, and now run one Axial-Flow 9120 on tracks.

They’ve embraced each new advancement in autoguidance systems, with all their tractors and their combine running the Case IH AFS Accuguide system.

“We’re on a CORS network using modems,” Don says. That cellular-based system, he says, opens the potential for more real-time information and data exchange in the cab.

In addition to the efficient Tier 4A emissions systems, the Laceys say their new Steiger and Magnum tractors bring another level of performance and convenience. The

new MultiControl Armrest now puts shuttle commands and a hydraulic remote on the handle for easier operation. The fact that the cab controls are identical on the Magnum and Steiger tractors is a plus, Steve says, because they have up to 20 part-time employees during beet harvest. “We can show them how to run one tractor and they can run all five,” he says.

The Pro 700 display is more user-friendly even as its capabilities expand, they note. New features such as the Steiger’s seat that swivels 40 degrees and its cab suspension that smooths the ride both make it easier to run long days when they need to.

It’s these kinds of improvements, plus the solid advice and strong support from their Case IH dealer, that the Laceys say helps them be ready to meet their farming challenges. ■

WANT TO ADD MORE POWER TO YOUR POWER EQUIPMENT?

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Part No. MCW125R
1" WATER PUMP



Part No. MC9000ER
9000-WATT, GAS GENERATOR



NEW OPTIONS FOR UPTIME

Most producers make plans for pre- and post-season equipment maintenance, and for good reason: Minimizing downtime has benefits ranging from avoiding minor aggravations to saving major costs from lost production.

The Case IH Parts & Service Marketing group has developed new programs and improved existing ones to help you reduce the potential for downtime and deal with it promptly when it occurs.

For years, Case IH dealers have offered

Customized Maintenance Inspections (CMI). These intensive machine inspection programs now offer increased value to equipment owners as machines become more complex. Diagnostics and electronic software upgrades, for example, can take place only

with proprietary computer software used by Case IH dealers.

Popular for harvesting equipment as well as for planting and seeding equipment, larger balers, tractors and irrigation power units, CMIs entail a detailed and intensive inspection of all

the equipments' systems along with performing scheduled maintenance as needed.

The value in these CMIs comes through



Larger



Roll over each
worksheet (right)
to view larger.

the knowledge and insight of the technicians. They're following detailed service checklists prepared by Case IH based on extensive field experience with the specific type of equipment. And, by working with this equipment full-time, the technicians will consistently cover all critical areas. Any necessary repairs are made with genuine Case IH parts that carry their own limited warranty, as well as a labor warranty when installed by a Case IH dealer.

CMI's are also valued by farmers who don't have the time or inclination to do extensive pre- or post-season inspection work on their equipment ... they simply schedule a CMI and in turn know their machine will be field-ready when it's time to roll.

A relatively new Case IH program that's gaining favor with producers is called Ready Stock. Here, the local Case IH dealer provides an on-farm parts storage locker. Depending on the individual farmer's needs, the dealer can keep the locker stocked and updated with commonly used maintenance items such as filters, fluids and belts, specific to the producer's equipment fleet.

Ready Stock provides the convenience of having parts on hand that might otherwise require a run to the dealership, and the locker gives a secure and specific storage

place. Billing and stocking arrangements can be customized for individual situations.

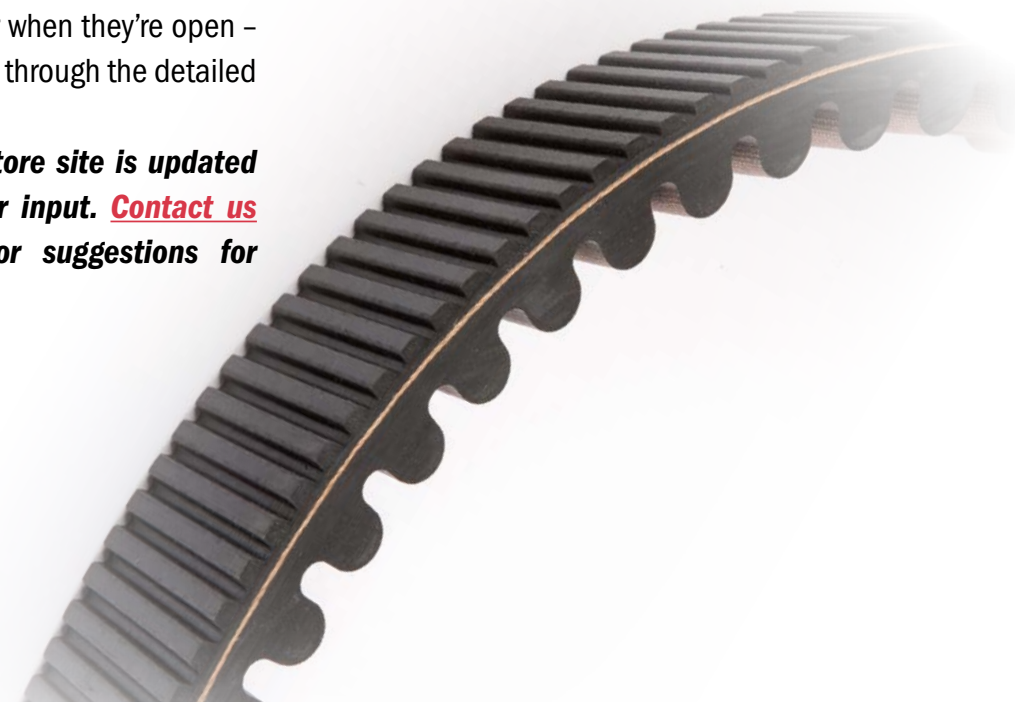
New online capabilities at the [Case IH Online Parts Store](#) bring new efficiencies to parts ordering and management. Notably, you can enter specific models of equipment in your fleet, then save them for future parts searches. And, you can bookmark specific pages for future reference. A [new online tutorial](#) describes how easy this process is.

The parts listings at the Case IH Online Parts Store include detailed schematics that identify related parts such as clamps and gaskets that could be replaced as you install the component. These schematics can be printed out to provide a reference sheet while you make the repair, or you can take them to your Case IH dealer to confirm that you're getting the correct part. The online parts listings also include CNH Original Remanufactured Parts (Reman) when they are offered as a repair option.

Of course, the Online Parts Store gives you the option of handling the entire transaction online, including placing the order through your Case IH dealer. Your Case IH dealer will contact you to confirm the parts' availability, and determine if you want to pick up the parts or have them shipped to you (additional charges may apply).

This new online ordering gives you the convenience of submitting orders 24/7 – no need to catch the dealer when they're open – and confirming accuracy through the detailed schematics.

The Case IH Parts Store site is updated monthly. We value your input. [Contact us](#) with any comments or suggestions for improving the site. ■



EFFICIENT POWER

A NEW CASE IH MICROSITE DESCRIBES SCR ADVANTAGES, SAVINGS

Case IH met the challenge of Tier 4A exhaust emissions regulations with selective catalytic reduction (SCR). Now, as the new Magnum and Steiger tractors have undergone lab tests, field evaluations and user experiences, the benefits of this approach are clear: more power and greater fuel efficiency.



Case IH has introduced the brand “Efficient Power” to designate the tractors, combines and sprayers equipped with the new Case IH SCR Technology.

A new microsite, CaseIH.com/efficientpower, provides extensive details about Case IH SCR Technology including the Tier 4A requirements, the Case IH SCR engines and systems, customer comments, test results, and overviews of Case IH products carrying the Efficient Power brand.

The Efficient Power site includes a link to a new [SCR Fuel Savings Calculator](#). You can input your own estimates of fuel DEF consumption and prices to identify the potential fuel savings available with Case IH SCR Technology.

Join the conversation.

Give us your
FEEDBACK!



CASEIH.COM EVOLVES WITH NEW FEATURES, RICHER CONTENT

CaseIH.com recently introduced a new format for the site that provides easier navigation and a wider range of content including images and videos.

Helpful tools such as the “Build and Price” and “Compare Specs” have been updated, and new features such as the [Be Ready](#) section provide new insights into ag-related topics.

You can browse and purchase an ever-expanding selection of Case IH wearables and branded merchandise at the Merchandise & Toys section, ShopCaseIH.com.

Current timely equipment purchase incentives such as low-rate or zero-rate financing are described at CaseIHdeals.com.

CaseIH.com is updated frequently; visit it often.

FOR A LIMITED TIME, TAKE ADVANTAGE OF

0% FINANCING*

ON PURCHASES OF SELECT CASE IH EQUIPMENT

Hurry in to your local Case IH dealer today for more information!
This special offer ends September 30, 2011



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