



# V I E W

## Sectional Control Technology Next Revolutionary Step in Seeding

*Seed Hawk is the first to deal with inputs wasted on overlaps.*

Guidance systems and autosteer were the first technologies used to help farmers increase efficiencies by saving on input costs. Using GPS, seeding misses and overlaps were all but eliminated with the new technology, but that still left the problem of overlaps around sloughs, at headlands, on irregular fields and when finishing that last pass of the field. Now, Seed Hawk ingenuity has come up with a solution. Called Sectional Control Technology™ (SCT), farmers can virtually eliminate all overlaps automatically.

"This is one of those innovations that will change the industry, similar to when we came out with independent depth control in the early 1990's," said Seed Hawk President Pat Beaujot. "As seeders get wider and wider, the issue of overlaps becomes larger. Sectional Control

Technology is the first technology to deal with that issue."

Sectional Control Technology works in conjunction with GPS and autosteer to lift openers when seeded ground is encountered and to also shut down metering of seed and fertilizer. The technology reduces ground disturbance of previously seeded land and doubling up of inputs. Sectional Control Technology brings hands-free operation to controlling seed and fertilizer application. The system automatically starts and stops whenever an overlap is encountered, with no flipping of switches or moving levers. And it can be used with all types of fertilizer – liquid, granular or anhydrous ammonia (NH<sub>3</sub>).

Now, wide toolbars are as versatile and flexible as small drills. An 84-foot toolbar, for example, can be shut down in increments of 10.5 foot wide sections.



Openers lift and meter gate sections close when a section of the drill overlaps seeded ground.

### Prototype passed testing with flying colors

SCT development was about four years in the making. It began with the development of the new 777 tank and metering system. At that time, the R&D

group thought that by eliminating the need to empty the tanks when changing a metering roller, a manual gate could be put in to close off product flow from the meter. From there, the R&D team saw that splitting the gate in half so that one-half of the metered runs could be shut down would be a benefit when finishing the field.

Realizing that few would get out and manually shut down the gate, the group wanted to automate the gate with an actuator in the tractor cab. From there, they evolved the idea to have a shut-off for each of the eight sections coming from the manifold. This would allow the drill to be shut down in eight sections, even if it was just manually.

"At the same time, I wasn't comfortable shutting down the seed and fertilizer flow, and still having the openers in the ground, disturbing previously seeded areas. I didn't think that the emergence in those areas would be uniform," explained Beaujot.

*continued on page 2*



With SCT the section size that is turned on and off is determined by the width of the toolbar. For example, an 84-foot wide drill (shown above) each section would be 10.5 feet wide.

## SCT Trade Show Display Wows Attendees

Seed Hawk first put the SCT on display at the Farm Progress Show in Regina in June of 2008 and has been winning awards ever since. At the Farm Progress Show, Seed Hawk won the best Large Outdoor Display, with the SCT as part of that display. They also won the Ag-Innovation Award at the Red Deer Agri-Trade show in November of 2008.

Beaujot explained that the SCT display was developed to give farmers a better

understanding of how the technology works and the cost-saving benefits that it can deliver. Rather than setting up an entire seeding unit, the SCT display consists of a single meter with eight gates, a section of eight openers and a Viper Pro controller. Farmers can sit at a steering wheel, drive according to the map on the screen and see how the controller automatically shuts off sections and lifts openers. A large screen TV is also set up to let other farmers see the action.

"The display has been very popular. It really shows how the technology works, and farmers can better appreciate how the technology can help them save on input costs," said Beaujot.



## CONTENTS

- PAGE 1 • SECTIONAL CONTROL TECHNOLOGY NEXT REVOLUTIONARY STEP IN SEEDING • SCT TRADE SHOW DISPLAY WOVES ATTENDEES
- PAGE 2 • SECTIONAL CONTROL TECHNOLOGY CAN SAVE INPUT DOLLARS • PRECISE SEED AND FERTILIZER PLACEMENT NO MATTER THE SOIL
- PAGE 3 • SBR MAKES DIRECT SEEDING WORK IN COLD SOILS • R&D IS IN OUR ROOTS
- PAGE 4 • SEED HAWK WELCOMES NEW DEALERS • SEED HAWK DEALERS

# Sectional Control Technology Can Save Input Dollars

*Savings could add up to 10 per cent.*

While Seed Hawk's new Sectional Control Technology (SCT) is just hitting commercial farmers' fields in 2009, Gerry Stewart already has some experience in how the technology can save on fertilizer costs. Stewart, who farms at Oxbow, Saskatchewan, has used guidance and rate controllers to eliminate liquid fertilizer overlaps when seeding for about five years.

"One year we kept close track, and we figured that we saved about 10 per cent on our fertilizer application," said Stewart. "The amount of acres that we put liquid on was about 10 per cent less than the amount of acres we actually seeded."

Stewart recently purchased two 66-foot Seed Hawk drills to replace his three older Seed Hawk drills of 44, 50 and 60 feet. He is pairing his new drills, which have 12-inch row spacings and the standard opener, with the 800-bushel air cart, and will continue to use liquid fertilizer.

About five years ago, Stewart decided to see if he could cut back on fertilizer application by shutting down liquid

applications on overlaps. He has a lot of bush on his land, along with potholes in wetter years, which results in a lot of overlap when working around the wet spots. "Most of our quarters are 130 to 140 acres, and the rest is bush and sloughs," said Stewart.

Stewart plumbed his liquid fertilizer system with Raven components, and uses a Zinx rate controller to meter out the liquid fertilizer. The rate controller automatically turns the liquid fertilizer off when an overlap is encountered.

Previously, Stewart used to seed back and forth, and seed the headlands last. However, with guidance systems, he now must seed the headlands first to establish the boundaries, and then seed back and forth. "I still liked the old way better, because you weren't driving on land that was already seeded."

He said the fertilizer savings depends on how wet or dry the fields are. In a dry year, there are fewer potholes to go around, and the savings are less – and vice-versa for wet years.

In addition to the fertilizer savings, he added that eliminating double fertilizer

applications produces a better crop in those areas. "The crops really don't do very well on the land that is over-fertilized. You can really see it with durum. The crop can get too thick, and grow too tall, and then it just falls over. In a lot of the areas, you don't get very much yield."

One of Stewart's new drills is coming equipped with SCT technology, which will control the seed and granular flow, as well as lift the openers out of the ground when an overlap is encountered. Liquid fertilizer flow will also be controlled. He is interested to see if there will be any benefit in the additional elements of SCT, over and above his liquid fertilizer savings.

"I think a lot of the savings come from fertilizer. I'm not sure how much will add up in seed costs, but if you just run granular fertilizer, I think the technology is a no-brainer," said Stewart.

He thinks SCT is an example of how GPS is starting to deliver on its promise – a promise that has been long waiting to be fulfilled. He said guidance was a good first step, because it made for nice straight rows and eliminated overlaps on every pass,

but technology like SCT and variable rate applications is going to take it even further. In 2008, Stewart took the step into variable rate application on all his land except pulses. Stewart used the consulting services of Echelon and their VRN prescription mapping program. He says that their approach to the development of prescription rates helps to simplify variable rate application. Typically, less fertilizer N is applied on the low producing areas of the field such as on hilltops, and more fertilizer N on higher producing areas of the field.

Despite the dry year, he knows that he made money by cutting back on fertilizer where the crop doesn't normally produce much anyway, and also says that he received an overall yield kick by more accurately delivering fertilizer according to the zones' yield potentials.

For the 2009 season, Stewart has lots to contemplate as he puts the crop in the ground. With SCT installed on one of his drills and his second year of variable rate fertilizer application, he is looking forward to seeing the combined benefits of the two technologies.

## Precise seed and fertilizer placement no matter the soil

*Peat or mineral soils, Seed Hawk drill accurately places seed.*

When Gregg and Stan Adair went looking for a new drill after the crop came off in 2007, they knew that one of the biggest challenges was going to be finding a drill that could perform under a wide range of soil conditions. In addition to heavy black soil, they had to contend with soft, peat-type soils where their old drills used to deeply bury the seed.

"Our old drill was set up with nine-inch spacings and paired-row, double-shoot openers, and we had an issue of uneven emergence," explained Gregg Adair from his farm at Westlock, Alberta. "Even with slight deviations in the field, we were putting the seed too deep or too shallow. It would either take too long to come up, or the seed would be in too shallow, and have to wait for rain."

That fall, Adair looked at a neighbour's winter wheat field that was sown with a Seed Hawk drill. He was amazed to see how uniform the emergence was.

"I think the difference is the independent depth control on each opener. It's like going back to the days of double disc drills where each opener operated independently. Seed Hawk reinvented the way to get even emergence under direct seeding," he added.

Adair settled on a 60-foot Seed Hawk with 12-inch row spacing and Twin Wing<sup>®</sup> openers. He has a 600 bushel Seed Hawk air cart, and two 1400 gallon NH<sub>3</sub> tanks mounted on the drill. Adair said he liked the clean frame which does not have any wheels mounted inside the frame.

"It just refuses to plug. We went through some really wet, long straw in 2008 and we didn't have any problem," said Adair. "I know our old drill would have had trouble, partially because it was on nine-inch rows, but because the shanks were also two inches wide."

Adair also customized his tire selection, opting for bigger floatation tires to deal with his peat soils. He went to dual 30.5 x 32 inch tires on the tank, and single 30.5s on the back of the drill. The tires allow him

to travel over wet peat soils by preventing the tank and frame from sinking into the ground in wet spring conditions.

Adair feels he gets more accurate seed placement with the independent openers. Another advantage of the independent openers is that Adair can control the depth from the cab. In the past, emergence from the peat soils was slow, because peat soils are generally colder in the spring. With the Seed Hawk system, he simply hits a switch and changes the pressure on the hydraulics, which in turn controls the depth by applying less packing pressure. That allows him to seed shallower where soil temperatures are warmer, promoting faster germination.



**Twin Wing suits wider row spacing.**

While Adair had paired rows on his previous drill, they were on nine-inch centres. Adair went to the 12-inch row spacing on his Seed Hawk because he wanted to go with a wider drill. Because the Twin Wing Seed Hawk uses 25 per cent fewer openers per foot of drill, he was able to go from the 40-foot drill up to his 60-foot drill without changing tractors. He pulls the unit with a Case IH 9170, rated at 335 hp, bumped up to a 375 hp rating.

"The tractor and seeding unit is a real nice match. It pulls really nicely and we only had to shift down a couple times this past year."

Adair liked the emergence with the Twin Wing openers. He was worried that the row spaces might be too wide compared to the previous system, but was surprised that the crop stand looked narrower than he thought it would. "We didn't swath any cereals this year, so we don't know how well the swath would sit up, but we were very pleased with the stand establishment."

## Sectional Control Technology Next Revolutionary Step in Seeding

*continued from page 1*

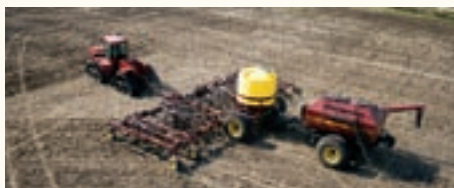
The solution was easily accommodated because of Seed Hawk's independent controlled openers. With each opener controlled hydraulically, sections of openers could be lifted to correspond to the shutting down of product flow.

"We knew this was going to work, so we filed for patents," said Beaujot. "It was a unique approach and nobody had thought of shutting off product from the tanks for each section. Previously, technology was available to sectionally control liquid fertilizer or NH<sub>3</sub>, but nobody had worked on also shutting off seed and granular product while lifting sections out of the ground at the same time."

The idea came to completion with the incorporation of GPS and autosteer. Incorporating guidance with the shutting off and lifting of sections automated the entire system. Beaujot explained that they

worked with Raven Canada to develop the automation. The companies adapted Raven's AccuBoom<sup>®</sup> technology to Seed Hawk's SCT so that farmers wouldn't have to manually control the system.

Initially they had two AccuBoom systems working off the GPS mapping; one for liquid and granular product and the other for opener-lifting. They soon discovered that the openers and liquid should be paired together and the granular operating separately.



GPS maps the field and Sectional Control Technology senses when to shut down sections of the tank meter and lift sections of openers to stop over-application and disturbance of seeded ground.

"The liquid flow and openers lifting are pretty instantaneous. The openers lift and the liquid valves shut off, and there isn't any dripping. But we had to separate the granular product because it took about six to eight seconds after activation before the flow of product stopped," said Beaujot.

Beaujot tested the prototype on his own farm in 2008. A Raven engineer came out to help with the testing and calibration of the Raven Pro controller. A couple fine-tune adjustments were required. They first adjusted the 'look-ahead.' Essentially, the mapping computer had to estimate the amount of time required to account for the delay between shutting down granular flow and lifting the openers.

The second issue they dealt with was the placement of the antennae. It was placed on the tractor for autosteer, but when you oversteer to keep the seeder running straight, it resulted in unnecessary overlaps.

So a second antennae was put on the seeder and the mapping was corrected.

"After the first 180 acre field, we pretty well had it working the way we had anticipated that it would. By the time we finished seeding, we knew that the technology could be commercialized, and would be a big benefit to farmers," added Beaujot.

With the product development side completed and the prototype performing to expectations, Seed Hawk is moving forward with delivering SCT to the field in time for the 2009 seeding season. In a gradual roll-out, Beaujot said they will have four to five seeders equipped with SCT in Canada and another one operating in Australia.

"The limited run is to allow us to further test SCT. We don't anticipate any issues, but we really want to make sure it performs to our highest expectations before we go into full scale production," he said.

# SBR Makes Direct Seeding Work in Cold Soils

*Seed Hawk drills a solution for direct seeded cold soils.*

Two drills and 315 knives later, it was time to ditch the old drills and change to Seed Hawk. And Paul Cherkas was glad he did.

After a year of dealing with knife openers that kept breaking due to a manufacturing flaw, Cherkas went looking for a better system. He settled on Seed Hawk partially because of the accurate seed placement, but also because he liked the way a strip of black soil was left in each row.

"When direct seeding into standing stubble in our area, you need some black soil in the seed row so that the soil warms up faster. That helps to speed up germination and emergence," explained Cherkas. "The Seed Hawk openers leave a strip of black soil where the seed is. The 3/4 inch knives I used to use didn't leave much black soil."

Cherkas purchased two 72-foot drills with 12-inch rows and the standard Seed Hawk single side band opener with separate seed and fertilizer knives. He paired them with large air tanks and two 1250 gallon anhydrous ammonia (NH<sub>3</sub>) tanks on each drill. NH<sub>3</sub> is put down the fertilizer knife,

and starter fertilizer and seed is put down through the seed knife.

With NH<sub>3</sub>, seed and fertilizer separation is extremely important, as NH<sub>3</sub> seepage into the seedrow can cause toxicity problems and result in poor germination. Cherkas said that the separate seed and fertilizer knives, and easy depth adjustments ensured adequate separation. The independent depth control on each opener also resulted in accurate seed and fertilizer placement.

Cherkas also took another step in ensuring better emergence on his cold soils with Seed Hawk's Seed Between the Rows® (SBR) technology. This innovative technology does exactly what it sounds like – each opener seeds between last year's stubble rows. Seed Hawk's SBR technology allows openers to run between stubble rows, improving seed and fertilizer placement. Because the stubble is left standing, it also acts as a barrier to help prevent an opener from throwing soil onto the neighboring row.

"The system worked terrific. Seeding between the rows doesn't disturb any stubble," said Cherkas. "When you start knocking down stubble, it makes a mess



A paddle sensor rides above the ground to detect stubble rows.

of the field, and you don't have the nice black seed rows that warm up quickly, so I really like the ability to leave the stubble standing and have the seeds germinating between last year's stubble."

As an indication of how well his Seed Hawk drills performed in 2008, Cherkas said he grew his best canola crop ever. He conceded that growing conditions were almost ideal, cool with some timely rains, but also gave a lot of credit to his new Seed Hawk drills.

"We were able to seed everything from one-half to three-quarters of an inch deep. The independent depth control across the width of the drill lets us seed that shallow, and in cold soils, seeding shallow is important."

Cherkas liked how easy the depth control settings were achieved. He says that once the depth was set, he could depend on it staying there. And if conditions warranted, he could easily change the seeding depth by adjusting the down pressure on the hydraulic cylinders.



Hydraulic cylinders move the frame to keep the openers between the rows

The drills are easily pulled with Cherkas' SDX 535 Case/Steiger tractors. He seeds at speeds between 5 to 5.5 mph, and says draft isn't a concern. With a 72-foot drill, he says he can easily seed 40 acres per hour, not counting fill times.

"I wouldn't change anything on the drills at this point. I like the independent openers, and how easy it is to control the depth. On other drills, when the wheels go down, the frame and all the openers go down," he said. "Having independent depth control means those kinds of changes don't affect the seeding depth. On our cold soils, you have to seed shallow to get even emergence."



Paul Cherkas



## R&D is in Our Roots

*Innovation comes from Seed Hawk's farming roots.*

It's no wonder Seed Hawk continues to rack up awards for innovation. The R&D team is filled with active farmers and former farmers who understand the challenges that agriculture throws at them. Add in continued input from customers, and collectively, Seed Hawk has a wealth of expertise unrivalled in the industry.

"The farmers in our R&D group bring that producer mentality to the table. They challenge us from a farmer perspective. We look at everything from the viewpoint of how will a new innovation help them farm easier, farm better and farm more profitably," explained Brian Dean, Vice-President of Research and Development with Seed Hawk. Dean, a farm boy, was the first employee hired by Seed Hawk in 1992 and has since become a shareholder in 1997 and head of R&D in 2002.

The eight-member R&D team boasts a farmer-perspective like no other. David Duke joined Seed Hawk in 1994 and continues to farm 2700 acres. Bruce Wilton joined Seed Hawk in 1993 and is also a farmer seeding 3800 acres.

"Those guys are a key part of Seed Hawk. They give us the true farmer test. Even with all the years of experience that the R&D team has, it's good to find out whether they think an idea will work from their perspective. They'll look at an idea and tell us what they really think. It helps us focus on innovations that will help farmers," said Dean.

Two other R&D members include Dave Hundebly and Richard Russett. Hundebly is a consulting engineer from Saskatoon who also farms. He has more than 30 years experience in designing tillage and seeding equipment and has worked with Seed Hawk since the 2002 - 2003 production run. Hundebly was the driving force behind the engineering of a tougher, stronger frame, which enabled Seed Hawk to develop the world's largest air drill several years ago.

Russett joined Seed Hawk one-year ago, he has been farming for 20 years and still works some on the family farm. Rick also has five years of R&D and design experience working with another Agricultural manufacturer before joining Seed Hawk and brings another creative mind to the team. "Rick is a true hands on developer, his time in the field researching our new innovations is invaluable to the company," Dean said.

The R&D team also includes two design technologists, who transfer ideas into 3D models and technical drawings. Originally from Atlantic Canada, Barry Melanson is Senior Design technologist and has been with Seed Hawk since 2001. His responsibilities include developing 3-D modeling of ideas and concepts.

Bob Higgins is Seed Hawk's most recent addition to the R&D team. Joining them in July 2008 after spending the previous year at Seed Hawk as a summer student, Dean said that the team was very excited when Higgins joined the team full time after finishing his schooling.

Rounding out the team is company founder Pat Beaujot. Professional Agronomist, President and guinea pig, Dean said that Beaujot takes "our wildest ideas and tests them on his own 1000 acre farm, taking the risk so that other farmers don't have to." He added, "We at Seed Hawk understand the cost of down time when seeding, any innovation that we develop must meet the criteria that it will reduce down time and delays when seeding. Having Bruce, Dave and Pat field test these new innovations in the field before offering them to customers helps us ensure that all of our products meet this criteria."

With so many farmers and such a depth of farming experience on the R&D team, it is not surprising that Seed Hawk has been awarded numerous accolades from industry peers. The American Society of Agricultural and Biological Engineers (ASABE) recently awarded Seed Hawk with two AE50 awards for excellence in agricultural engineering.

The first award was for the 84-foot air drill, at the time the largest production air drill on the market, and teamed with the 800 air cart, is still the largest air seeder (drill/tank combo) in the world.

The second AE50 award was for the Model 400 Air Tank. The 400 is a two-compartment air seeder/fertilizer tank that can be packed in a sea container for easy shipment anywhere in the world. It can also be set up as a tow-between, tow-behind or on-board tank.

"The awards are nice, but what is even more important is the feedback from our customers. We always get approached by farmers with suggestions and comments. They tell us how nice it is to be able to talk to the manufacturer directly," said Dean. "Even with our rapid growth over the last few years, we have remained committed to our roots. We not only want to continue to maintain that connection with farmers, but to take their ideas and suggestions to develop products that help farmers increase profitability."



R&D Team (left to right) back row: Dave Hundebly, Brian Dean, Bob Higgins, Bruce Wilton, Pat Beaujot. Front row: Richard Russett, David Duke, Barry Melanson.

# Seed Hawk Welcomes New Dealers

One is celebrating 75 years, and one just started in the ownership business, but these two dealerships choose Seed Hawk for the same reasons: an industry leading product, a company that knows how to provide service, and a grass-roots attitude towards customer relations.

Seed Hawk Manager of Sales and Service, Kurt Raffey said that expanding the Seed Hawk network of dealers is not only good for sales, but for customers as well.

"As we continue to rapidly grow, it is important that we maintain the high level of customer service that Seed Hawk is known for. Having strong dealers like Norsask and Webb's, who focus on the same ideals of customer service as we do, will help to ensure that farmers continue to benefit from our technology," said Raffey.

## Celebrating 75 years at Webb's Machinery



A business that stays in the family for 75 years is remarkable in any business sector, not to mention the agricultural machinery sector where mergers and acquisitions have been a mainstay of the industry.

"My Grandfather started the company 75 years ago in Vermilion, and it has been in

the family ever since," said Scott Webb, the company's third generation owner. "That history has helped us maintain our customer base."

Webb's Machinery now has locations in Vermilion and Vegreville, Alberta. In addition to the Seed Hawk line, which they started carrying in the summer of 2007, Webb's also sells the New Holland line of equipment.

Webb was drawn to Seed Hawk on the recommendation of his Vegreville sales manager, Mike Gottselig, who had called on Seed Hawk as a salesman with a previous job. Knowing the reputation that Seed Hawk machines had in the field, Webb took a closer look at the company, and decided it was a good fit.

"I met with Seed Hawk, and went to a [Seed Hawk] dealer meeting to talk to other dealers. I was impressed, and decided to sign on with them," explained Webb. "We also had a few customers who were already running Seed Hawk drills, and they were very happy with the equipment and company, so that made the decision even easier."

Webb likes that he can provide better service to his Seed Hawk customers than they were previously able to receive – having parts and service in their backyard has been a plus. Webb also likes dealing with a smaller company that is accessible to dealers and farmers.

"You can pick up the phone and talk to them. They are very approachable and willing to listen," he said.



## New venture built on years of experience

With less than a year under his ownership belt, General Manager Leon Lozowchuk at Norsask Farm Equipment Ltd. at North Battleford, Saskatchewan is enjoying a banner year for Seed Hawk sales. He purchased Norsask in June, 2008, after spending time as a machinery salesman at another farm dealership. Norsask did not handle Seed Hawk equipment prior to Lozowchuk's purchase and now is enjoying 'significant' sales.

"I was selling Seed Hawk before at another dealership, and I also used one on my own farm. I think the technology is very good, and it helps farmers get the most out of the seed and fertilizer," said Lozowchuk.

Norsask was started in 1998 and handled Case IH/New Holland as their main machinery line. When Lozowchuk came on

board, he saw the opportunity to expand the product line to offer what no one else was selling in the neighborhood.

"We like the machine because of the individual openers following the contours of the land, which allows exact seed and fertilizer placement," said Lozowchuk. "That's a huge benefit to farmers. They can seed shallower and get better emergence."

In addition to the Norsask sales, Lozowchuk also has farmers in the area who bought Seed Hawk drills from him in the past. He says that bringing the Seed Hawk line into Norsask has allowed him to expand his customer base.

Like Webb's, Lozowchuk also likes dealing with a smaller company because it means he can establish a relationship with the company he is dealing with. "They are very personal, and have knowledgeable staff. They're always trying to work for the benefit of dealers and farmers."

## SEED HAWK DEALERS

### A.E. Chicoine Farm Equipment Ltd.

Box 10  
Storthoaks, SK S0C 2K0  
Tel: 306-449-2255  
Fax: 306-449-2449

### Farm & Garden

Box 609  
Watrous, SK S0K 4T0  
Tel: 306-946-3362  
Fax: 306-946-3898

### Hepson Equipment Inc.

Box 66, Site 520  
Brandon, MB R7A 5Y5  
Tel: 204-727-1050  
Fax: 204-727-2884

### Houlders Auto Ltd.

Box 560  
4820 - 57th Ave.  
Grimshaw, AB T0H 1W0  
Tel: 780-332-4691  
Fax: 780-332-4308

### Houlders Auto Ltd.

122 Railway Ave.  
Falher, AB T0H 1M0  
Tel: 780-837-4691  
Fax: 780-837-4694

### J&B Equipment Ltd.

Box 1600  
Kindersley, SK S0L 1S0  
Tel: 306-463-4651  
Fax: 306-463-4607

### K & M Farm Equipment Ltd.

9008 - 100 St.  
Westlock, AB T7P 2L4  
Tel: 780-349-2588  
Fax: 780-349-5435

### K&M Farm Equipment Ltd.

Box 4583  
Barrhead, AB T7N 1A4  
Tel: 780-674-3800  
Fax: 780-674-6505

### Millers Farm Equipment

Box 250  
Boissevain, MB R0K 0E0  
Tel: 204-534-2463  
Fax: 204-534-6834

### Millers Farm Equipment

Box 1200  
Moosomin, SK S0G 3N0  
Tel: 306-435-3866  
Fax: 306-435-2415

### Millers Farm Equipment

Box 218  
Shoal Lake, MB R0J 1Z0  
Tel: 204-759-2424  
Fax: 204-759-2827

### Millers Farm Equipment

Box 605  
Dauphin, MB R7N 2V4  
Tel: 204-638-5558  
Fax: 204-638-1555

### Millers Farm Equipment

Box 605  
Brandon, MB R7A 5Y5  
Tel: 204-725-2273  
Fax: 204-728-1813

### Millers Farm Equipment

Box 1630  
Killarney MB R0K 1G0  
Tel: 204-523-4644  
Fax: 204-523-8124

### Moker & Thompson Implements

3802 - 4th Ave. East  
Prince Albert, SK S6W 1A4  
Tel: 306-763-6454  
Fax: 306-763-8618

### Moker & Thompson Implements

Box 2290  
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Fax: 306-752-2523

### Norsask Farm Equipment Ltd.

491 - 114th St.  
North Battleford, SK S9A 2M4  
Tel: 306-445-8128 / 1-888-446-8128  
Fax: 306-445-2722

### Redhead Equipment Ltd.

Box 910  
Estevan, SK S4A 2A7  
Tel: 306-634-4788  
Fax: 306-634-2299

### Redhead Equipment Ltd.

Highway 16 North Service Road  
Box 9191  
Saskatoon, SK S7K 7E8  
Tel: 306-934-3555 / 1-800-667-9761  
Fax: 306-934-2776

### Redhead Equipment Ltd.

2604 South Service Road West  
Box 1586  
Swift Current, SK S9H 5J9  
Tel: 306-773-2951  
Fax: 306-778-2154

### Redhead Equipment Ltd.

4404 - 37th Ave.  
Lloydminster, SK S9V 1R6  
Tel: 306-825-3434  
Fax: 306-825-9837

### Roydale International Ltd.

Box 208  
Milk River, AB T0K 1M0  
Tel: 403-647-3828  
Fax: 403-647-3842

### Roydale New Holland

66 - 37337 Burnt Lake Tr.  
Red Deer, AB T4S 2K5  
Tel: 1-888-343-3399  
Fax: 403-341-5940

### Wardale Equipment (1998) Ltd.

Box 280  
Yorkton, SK S3N 2V7  
Tel: 306-783-8508  
Fax: 306-786-7880

### Wardale Equipment (1998) Ltd.

Box 190  
Langenburg, SK S0A 2A0  
Tel: 306-743-2312  
Fax: 306-743-2953

### Wardale Equipment (1998) Ltd.

Box 1179  
Preeceville, SK S0A 3B0  
Tel: 306-547-3300  
Fax: 306-547-3404

### Webb's Machinery (Vegreville Ltd.)

5342 - 50th Ave.  
Vegreville, AB T9C 1M3  
Tel: 780-632-6772 / 1-877-632-6772  
Fax: 780-632-3223

### Webb's Machinery (Vermillion Ltd.)

4704 - 44th St.  
Vermillion, AB T9X 1Z6  
Tel: 780-853-5196 / 1-888-853-5196  
Fax: 780-853-4744

### White's Ag Sales & Service

1210 South Railway St.  
Whitewood, SK S0G 5C0  
Tel: 306-735-2300  
Fax: 306-735-4444

### Youngs Equipment Inc.

Box 2050  
Assiniboia, SK S0H 0B0  
Tel: 306-642-5991  
Fax: 306-642-3820

### Youngs Equipment Inc.

Box 9  
Windthorst, SK S0G 5G0  
Tel: 306-224-2110  
Fax: 306-224-4343

### Youngs Equipment Inc.

Box 850  
Moose Jaw, SK S6H 4P5  
Tel: 306-694-1800  
Fax: 306-692-4571

### Youngs Equipment Inc.

Box 3117  
Regina, SK S4P 3G7  
Tel: 306-565-2405  
Fax: 306-565-2420

### Youngs Equipment Inc.

Box 1000  
Weyburn, SK S4H 2L2  
Tel: 306-842-2629  
Fax: 306-842-1650

### St. John Grange Supply Inc.

102 East Front St.  
St. John, Washington 99171  
Tel: 1-888-655-3450