2010 MANITOBA

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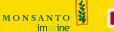
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Correspondence may be addressed to: 400 - 50 24th St. NW, Portage la Prairie, MB R1N 3V9 Doug Wilcox, Ph.D., P.Ag. Manager, Program Development – Insurance Phone: 204-239-3269 Fax: 204-239-3401 dwilcox@masc.mb.ca www.masc.mb.ca

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Agroclimatic Maps

Total Accumulation of Corn Heat Units
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National Sales: James Shaw JSA Communications Phone: 416-231-1812 Fax: 416-233-4858 jamesshaw@rogers.com

Cover photo ©iStockphoto.com / Richard Clark Supplement to the Manitoba Co-operator, February 25, 2010 The Interlake was washed out again, but province-wide wheat, canola and flax set new record yields

Manitoba farmers harvest another

DUMPER GROP

by Allan Dawson

Here in the land of extremes, farmers in south-central areas harvested bin-busting yields, while many producers in Manitoba's Interlake region were drowned out again.

But Manitoba farmers, on average, harvested another bumper crop in 2009.

While hard red spring wheat and canola yields province-wide averaged a record 51 and 43 bushels an acre, respectively, farmers in Louise (Pilot Mound, Crystal City areas) averaged 65 and 52 bushels an acre, according to yield data collected by the Manitoba Agricultural Services (MASC) Corporation.

Manitoba flax yields also set a new record at 28 bushels an acre, exceeding the record set in 2008 by two bushels.

(When this was written 99.5 per cent of the data was available so there could be small changes after all of the data is compiled. More yield information is available in this edition of *Yield Manitoba* and on MASC's Management Plus website www. mmpp.com/mmpp.nsf/mmpp_index.html).

Most crop yields in 2009, except corn, exceeded the 10-year average, despite delayed seeding due to a cool spring, frost June 6, which forced some to re-seed and cooler-than-normal temperatures May through August.

And, like in 2008, the 2009 crop was late and would have been decimated by an early killing frost. Fortunately, most of south-central Manitoba didn't get a killing frost until Sept. 29.

Late frost

In 2008, warmer weather in August helped crops mature following cooler-than-normal temperatures; in 2009 the muchneeded heat came in September. The weather turned cold and wet in October, but was followed by the warmest November on record, allowing farmers to finish harvest and field work.

One would assume growing conditions were just about perfect for canola and wheat in the R.M. of Louise but not according to the weather statistics gathered by Manitoba Agriculture, Food and Rural Initiatives (MAFRI). Pilot Mound received just 88 and 90 per cent of normal Growing Degree Days (GGD) and Crop Heat Units (CHU) and 61 per cent of normal rainfall.

Farmers in the wet eastern region and waterlogged Interlake would have loved less rain. Farmers in both areas suffered from excess moisture for the second year in a row. But it was farmers in the Interlake that were hit hardest — again.

In fact, 193,000 acres or 38 per cent of the region's cropland wasn't even seeded due to excess moisture in the spring, according to MASC.

Between May 1 and Aug. 30 Arborg received 390 mm of rain — 146 per cent of normal. During the same period the area received just 85 and 89 per cent or normal GGD and CHU, according to MAFRI. Both are measures of temperatures during the growing season.

By the end of the growing season, Arborg's rainfall was 123 per cent or normal and GGD and CHU were normal. It didn't help though.

"We're in a (crop insurance) claim position for everything we seeded pretty much," said Arborg-area farmer Kyle Foster.

Wet and cool

The good news is most Interlake farmers were able to work their land in the fall. But after two years of little or no crop many aren't sure how they'll come up with the money to seed this spring, Foster said.

Beausejour-area farmer Andy Baker was able to seed most of his land, but wishes he hadn't, because a combination of excess moisture and late seeding hurt yields. His hard red spring wheat averaged more than 36 bushels an acre, with an early seeded field doing 50, but a late-seeded field yielded just 24 bushels an acre and froze — making it chicken feed.

And for the fourth year out of the last five Baker's sunflower crop was poor too. "My best crop since I started farming was sunflowers and now I can't even grow them," he said. "They just can't get established when they are under water all the time."

For the second straight year Baker says soybeans — known for their ability to survive excess moisture — were the only crop that did well on his farm. One field yielded 38.3 bushels an acre and We're in a (crop insurance) claim position for everything we seeded pretty much. – Kyle Foster, Arborg

the farm will average around 36. That's well above the provincial average of 30 bushels an acre and 10 bushels better than average for the R.M. of Brokenhead in 2009. "If we didn't have soybeans it would've been one helluva horrible year," Baker said.

"Next year I'll be damn-near half soybeans on the farm."

Soybean saviour

Baker didn't grow any canola in 2009, but the crop didn't do well, averaging just 29 bushels an acre in Brokenhead.

Some farmers in the southwest had their best crop ever in 2009.

"We had yields we'd never had before this year," said Waskada-farmer Lance Vanbeselaere.

"There were some 60- to 70-bushel (an acre) spring wheat yields our way this year, which is double the crop we get nor-mally."

MASC puts the average hard red spring wheat yields in the southwest at more than 40 bushels an acre.

Continued on next page

If we'd had the same year 20 or 30 years ago we wouldn't have got the yields we got (in 2009). – Lance Vanbeselaere, Waskasda

It looked like most of the corn was going to make it despite the cool summer, but wet conditions led to widespread mould and a lot of the crop was written off. Accurate corn yield data was not available at press time, but MASC expects it to be very low.

The provincial 10-year average is 90 bushels an acre. In 2008, farmers harvested 107 bushels an acre — close to a record.

Winkler-area farmer Albert Peters didn't plant corn in 2009. Its high production cost and the aggravation of harvesting under poor conditions late in 2008 were behind his decision.

Corn in the R.M. of Stanley averaged 53 bushels an acre, but Peters says farmers who harvested their corn took off 100 bushels plus.

Peters' milling wheat Superb averaged a whopping 86 bushels an acre. "The best crop I ever had," he said.

"I had one 80-acre piece, it went over 90. It was just phenomenal."

It was all No. 1 Canada Western Red Spring with very low levels of fusarium head blight.

If you're skeptical, consider the provincial average was 51. In the R.M. Lorne, the wheat variety Glenn averaged a bin-busting 81 bushels on 896 acres.

Peters harvested a bumper crop of soybeans (40 bushels an acre) and confectionary sunflowers (2,200 pounds an acre), well above the provincial averages of 30 bushels and 1,529 pounds, respectively.

Oddly enough, he had a crop insurance claim on barley, which yielded 60 bushels an acre.

"It was yellow and ugly and just sat in the field and cried for a week to 10 days after that (June 6) frost," he said.

Peters said the weather had a lot to do with his good wheat yields.

"Cereals like a cool, wet year," he said. "That's been my experience over the years."

"The big trick is to get them off in good shape in the fall. That can be a problem, but not this year."

Tricky harvest

Peters harvested his wheat in early September. He sprayed with Roundup first and then straight combined. It wasn't quite dry at harvest, but was after a month of aeration.

It wasn't excessively wet during the growing season in the Winkler area with rainfall at 103 per cent of normal. However, GDD and CHU were 92 and 95 per cent of normal, respectively.

Most of that heat came in September. During the first 15 days of the month many areas received more CHU than in all of July.

Minitonas-area farmer Calvin Gust harvested a bumper wheat (53) and canola (43) crop, as did most farmers in the Swan River Valley.

"It was really by the grace of God that we actually got a crop," he said. "The odds are we're going to have an early frost one of these years. We've had so many open falls in here in a row."

Spring seeding got off to a faster start in the Swan River Valley than most of the rest of the province, Gust reckons. And that led to an earlier harvest for many.

"I think about 80 per cent of the crop (in the area) was in the bin by the time that ugly weather came in early October," Gust said. "I was completely done harvest by then. I just about had all my anhydrous on by then too."

High yields

Wheat and canola yields in the R.M. of Swan River averaged 52 and 49 bushels an acre, respectively. In seven other R.M.s canola averaged 49 bushels an acre.

InVigor 1143 Health LT canola had the highest average yield province-wide at 49 bushels an acre, but that was based on just 1,895 acres. The highest average canola yield by municipality was InVigor 1144. It produced an astounding 57 bushels an acre on 1,393 acres in the R.M. of North Norfolk. But there were more than a half-dozen other varieties in different municipalities that averaged 52 bushels an acre or more.

CDC Go had the highest red spring wheat yield across Manitoba, averaging 59 bushels an acre on 72,485 acres. (CDC Go is rated "poor" for resistance to fusarium head blight.)

Harvest and Prodigy were close behind, both averaging 56 bushels an acre, followed by the new varieties Glenn and Kane at 54 and 53, respectively. But Kane was grown on 455,126 acres versus 76,092 for Glenn.

The stalwart AC Barrie, grown on 397,893 acres, averaged a respectable 50 bushels an acre across Manitoba.

Glenn, averaging a remarkable 81 bushels an acre, was the top yielder in one municipality (Lorne), but that was on just 896 acres.

CDC Go averaged 80 and 71 bushels an acre in municipalities of Roland and Stanley, but on very few acres as well.

Presumably growing conditions were favourable in those areas where farmers took off the highest-yielding crops, but Vanbeselaere also credits improved varieties.

"If we'd had the same year 20 or 30 years ago we wouldn't have got the yields we got (in 2009)," he said.

Сгор	2009 yield b/a	2008 yield b/a	% change	10-year average	% change	New record yield 2009	Old record yield	Year
Red spring wheat	51	50	+2	41	+24	51	50	2008
Winter wheat	61	71	-14	59	+3	-	71	2008
Argentine Canola	43	40	+8	31	+39	43	41	2008
Oats	91	101	+10	87	+5	-	101	2008
Flax	28	25	+12	20	+40	28	26	2008
Grain Corn	39	107	-64	90	-57	-	117	2007
Soybeans	30	33	-9	27	+11	-	37	2007
White Pea Beans	1582 lbs/a	1510 lbs/a	+5	1369	+16	-	1762	2006
Non-oil sunflowers	1529 lb/a	1462 lbs/a	+5	1324	+10	-	1927	2006

RM	Region	Spring wheat b/a	Winter wheat	Canola	Oats	Flax	Corn	Soybeans	White pea beans lbs/a	Non-oil sunflowers lbs/a
Armstrong	Interlake	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arthur	Southwest	51	46	40	86	22	NA	NA	NA	1770
Bifrost	Interlake	20	NA	18	49	13	NA	9	NA	NA
Brenda	Southwest	53	47	42	92	28	NA	NA	NA	1606
Brokenhead	Eastern	31	47	29	62	19	33	26	NA	175
Dufferin	Central	60	47	44	104	26	56	36	1284	1396
Edward	Southwest	41	NA	34	69	27	NA	16	NA	1368
Fisher	Interlake	23	NA	26	72	NA	NA	NA	NA	NA
Gimli	Interlake	26	NA	24	25	NA	NA	NA	NA	NA
Lac Du Bonnet	Eastern	31	47	26	54	17	NA	19	NA	NA
MacDonald	Central	49	NA	38	116	25	4	27	NA	1176
Rhineland	Central	57	70	40	116	31	15	35	1420	1103
Stanley	Central	59	66	45	97	29	53	35	1567	1523
Swan River	Northwest	52	NA	49	72	NA	NA	NA	NA	NA
Winchester	Southwest	54	58	46	116	31	NA	NA	NA	1895

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¹ In the year of application. Better Crops/Vol. 86 (2002, No. 4), International Plant Nutrition Institute.

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Harvest horrobilis

by Allan Dawson

Like many Manitoba farmers, Curtis and Bev Penner of Lowe Farm had a great crop in 2009. But getting it off was a struggle.

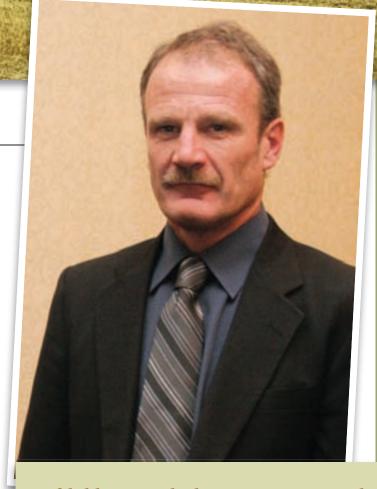
"It felt like you stole the crop — not to sound ungrateful, because the crop was good — but we had to steal it," Curtis Penner, a pedigreed seed grower and retailer, said in an interview.

"When we added up the hours on both employees and machinery at the end of the year, the hours were significantly higher than we are accustomed to," he said. "Part of that was due to November being so gorgeous; we just kept going, going and going."

The 2009 growing season was a challenge for Manitoba farmers, from seeding right through until harvest, says Pam de Rocquigny, a MAFRI cereal specialist based in Carman. "At the start of November 2009 there were still thousands of acres of crop left to be harvested in Manitoba, with many crops still tough or at high moisture contents."

Fortunately Mother Nature ended the year on a kind note and provided three weeks of above-normal temperatures and dry weather allowing for farmers to harvest the majority of the 2009 crop.

In the race to get the crop off, farmers made daily, and often minute to minute, decisions as to which crop should they take off first, what moisture contents they were willing to take a crop off at, drying the crop down safely and storing it for quality, while all the time considering the end user/ buyer and their requirements.



It felt like you stole the crop – not to sound ungrateful because the crop was good – but we had to steal it. – Curtis Penner

Continued on next page

I always start harvesting as soon as possible. I think it's a pretty common practice now with the focused, bigger grain farmers... otherwise they'd never get done harvest. – Doug Chorney

Neighbours a big asset

Reg Marginet, who farms at Holland, worked with neighbours to speed up the harvest. They helped him harvest his winter wheat in August and he helped them later on with canola.

Marginet said he even took his winter wheat off tough, partly because he wanted to get some of the crop off while his son was home from university to help. But it's important to harvest winter wheat as soon as possible because it sprouts so easily, he added.

Starbuck-area farmer Chuck Fossay was lucky enough to harvest most of his cereal crops during the good weather in September. After a spell of bad weather, he finished up the cereals first because they are the most vulnerable to downgrading due to sprouting and bleaching.

The canola came next, with the flax, which stands up to bad weather better than canola, combined last.

While many farmers determine their harvest sequence according to what's ready and what is the most valuable, de Rocquigny said maintaining quality is also an important consideration.

"For example, crops that are in good shape and disease free such flax, sunflowers, grain corn or cereals can withstand weathering conditions better than a crop such as canola," she said. "For some crops that are still standing, such as flax, swathing the crop may help further help protect the quality and reduce grain losses."

There's no question that moisture content played a major role in determining sequence of harvest in 2009. But many farmers went ahead and harvested anyway.

"This year I'm not sure I harvested a dry bushel," said Penner.

"I harvested all my wheat on the tough side and dried it with either natural aeration or propane burners," said East-Selkirk area farmer Doug Chorney. "Getting it off when you get a chance to is crucial."

Chorney's soybeans were 18 to 22 per cent moisture when harvested and all had to be dried. The drying went well, he said, but it was a labourious process with a lot of time spent moving the soybeans into different bins.

Lots of combine capacity helps. Chorney has two combines and access to two more from nearby cousins. "We unleash the capacity as the crops mature so we can harvest a lot of grain in a short amount of time and that became critical in a year like this."

Depending on variety selection, seeding date or the amount of excess moisture received during the cool growing season, moisture contents varied widely, de Rocquigny said. Producers had to weigh higher drying costs versus potential yield and quality losses from factors such as disease development, shattering losses, bird damage.

"Tough decisions had to be made and although combining

crops at too high a moisture content just to get them off isn't normally in a farmer's best interest, some situations in 2009 warranted that approach as many farmers were already on borrowed time," she said.

Aeration vs dryers

Aeration systems can be helpful in drying grain. However, the colder weather seen normally in October-November doesn't have much drying ability, Rocquigny said. When using natural aeration, any crop with reach an equilibrium moisture content where the air only has the ability to dry the crop to a certain moisture level depending on the ambient air temperature and relative humidity. In some cases, reducing the depth of crop in the bin, increasing air flow or adding supplemental heat to the aeration will help to further dry the crop to safe storage levels.

In late fall and with higher moisture contents, drying with a grain dryer may be more effective, but will require much more management in order to maintain quality, she noted.

For example, high-temperature drying of confection sunflowers may cause the nutmeats to be steamed, wrinkled or even scorched which may result in downgrading and price reduction. And for edible beans that are marketed on their visual appearance, cracked coats and split seeds will impact quality and price.

"Producers need to carefully examine crop type and drying temperatures, as well as have the time to monitor the crop as it goes through the drying process, to ensure crop quality is maintained," she said.

Penner attributes some of his success in 2009 to early seeding — a goal he has every year. When the experts were saying it was still too cold to plant soybeans, Penner was finishing his last passes.

"They (soybeans) were treated, so they did not rot. When the sun eventually came up they were on their way and that certainly saved our bacon again. We didn't get caught in that wet, green swamp that other people did."

Seeding early doesn't always pay, Penner added. His sunflowers were in early and looked good most of the growing season. But towards the end, they were decimated by head rot and the crop was unsalvageable. The quality was better on later-seeded sunflowers, he said.

De Rocquigny noted that even though harvest is over for most, maintaining it in good condition is an ongoing challenge. In some circumstances grain was put into storage in less-thanideal conditions. She recommends more frequent monitoring of grain in storage throughout the winter months to ensure the grain is maintaining quality and that no hot spots develop.

A hot spot in stored grain spreads quickly, possibly impacting the entire bin and its quality. If the crop put into storage was immature or damaged, long-term storage is not recommended.

Perhaps the biggest lesson learned from the 2009 harvest is that every farmer's situation is unique. Farmers need to assess the individual conditions of their crops, moisture contents and the availability and use of aeration and drying equipment, and their end buyers to determine their best route for success, she said.

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Flint-dent kernels Great dry down

Good Cr bad crop

by Doug Wilcox, MASC

Perhaps more than most in society, farmers prefer to dream of a better future rather than contemplating the past. This is a coping strategy, enabling farmers to soldier on in the face of adversity.

However, farmers who take the time to reflect on the past will have a better basis on which to make management decisions that lead to greater success in the future.

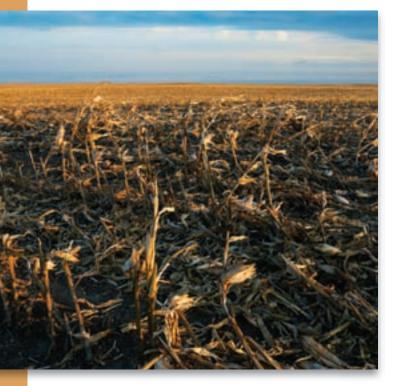
In farming, there's no such thing as a perfect year. For example, if yields are good, the price is often low; when the price is high, then input costs are high, or yields are low. It often seems that the farmer can never win.

But farmers do win often enough that they can remain in business and even be profitable over the long-term.

What makes the year?

So what makes a crop year good, or bad? To determine this, I used Manitoba Agricultural Services Corporation (MASC) data and some external data covering the last 20 years (1990-2009).

The way this was approached was to look at several crop-year quality determinants for each year, to see if I could pull out the good years and the bad years and also establish what is a normal year. The crop-year quality factors considered were crop prices, yields, quality, input costs, and a "misery" factor.





For prices, yield, and grain quality, I used the MASC annual data for three indicator crops — red spring wheat, canola and grain corn.

As an indicator of input costs, I used as the annual anhydrous ammonia bulk price for Manitoba, which is known to be wellcorrelated with other crop input costs. The misery factor was established using MASC annual data relating to unseeded acres, delayed planting, variability in cause of loss, and total payouts (loss ratios).

Each year's quality factor was ranked on a one-to-20 scale, with one being the worst year (e.g. lowest yield) and 20 being the best year (e.g. highest yield).

Ranked data

Using this ranked data, each year of each year-quality factor was re-scored with the top five good years scored as 1, and the bottom five years scored as -1, and the middle years scored as zero — the exception being grain quality, where only the last 13 years of data were available and therefore only three years were scored as 1 and three years scored as -1 (to give it less weighting).

The scores were then summed across all the year-quality factors and three highest-scoring good years and three lowest-scoring bad years in the last 20 years were selected.

These results are presented in Table 1. (see next page)

Continued on next page

Crop Year Quality Matrix

Crop year quality summary for Manitoba over the period 1990 to 2009. Score: -1 worst, 1 best, 0 in-between.

Year	Price	Yield	Quality	Input	Misery	Sum	Quality
1990	-1	0	0	1	0	0.0	
1991	-1	-1	0	1	1	0.0	
1992	0	0	0	1	-1	0.0	
1993	-1	-1	0	1	0	-1.0	
1994	0	0	0	0	0	0.0	
1995	1	-1	0	0	0	0.0	
1996	0	-1	0	0	1	00	
1997	0	0	0	0	0	0.0	
1998	0	0	1	0	1	2.0	Good
1999	-1	0	-1	1	-1	-2.0	Bad
2000	0	0	-1	0	0	-1.0	
2001	0	1	0	0	-1	0.0	
2002	1	0	0	0	0	1.0	
2003	0	1	1	0	0	2.0	
2004	0	-1	-1	0	-1	-3.0	Bad
2005	-1	0	0	-1	-1	-3.0	Bad
2006	0	0	0	-1	0	-1.0	
2007	1	1	1	-1	1	3.0	Good
2008	1	1	0	-1	1	2.0	Good
2009	1	1	0	-1	0	1.0	

Continued from previous page

A more sophisticated analysis would allow for inflation and trends and could put different weightings on the different yearquality factors However, it was felt that that process would be unnecessarily complex for this simple reflective exercise.

Table 1 indicates that the best years in the last 20 were 1998, 2007 and 2008 and that the worst years were 1999, 2004 and 2005.

By looking at the individual year-quality factor scoring in Table 1 you can see what has made those years good or bad. 1998 was a good year mainly because the price was good and the misery factor was low. 1999 was a bad year because prices were poor, grain quality was bad, and the misery factor was high.

2004 was a bad year because yield was poor, quality was poor and the misery factor was high. 2005 was a bad year because price was low, input costs were high and the misery factor was high.

2007 was a good year because prices were good, yields were good, quality was good, and the misery factor was low. 2008 was a good year because prices were high, yields were high, and the misery factor was low.

It is important to remember that these are average results, there were individual producers and regions who did well in the bad years and who did poor in the good years.

The best of the best

Table 1 indicates that 2007 was the best year of the past 20. If you recall 2007, there was considerable regional and temporal variation in the weather. Most regions experienced excess moisture in the spring and hot, dry conditions during the growing season as well as a high incidence of hailstorms. So although 2007 was the best year, it was by no means a perfect year weather-wise.

Table 1 also indicates that there was a tie for the worst year of the last 20 between 2004 and 2005. However, I personally would say 2004 is the worst year from a farmer's perspective because yield and quality issues were more of a concern in 2004 than in 2005.

If you recall the 2004 growing season was one of the coldest on record, resulting in a significant number of crops that failed to mature. There were also persistent rains in late August and September that contributed to harvest delays. The result was reduced yields and/or quality problems, particularly for longseason crops.

I have focused on the good and bad years, but it is important that farmers also remember what is normal; a normal year is not a perfect year, although farmers wish it were otherwise.

For example, the 20-year average yield of canola is 12 bu/ac below the average yield in the best year. Additionally, the average annual unseeded acreage provincially is approximately 240,000 acres, and on average the MASC annual payout is \$72 million (the 20-year average). Unfortunately, this demonstrates that when dreaming of a better future farmers must be realistic and expect a less-than-perfect year, every year, in order to make better management decisions, and in turn, be more successful.

Being prepared

The author Kurt Vonnegut once said: "History is merely a list of surprises. It can only prepare us to be surprised yet again."

However being prepared for surprises is a good strategy in any business, particularly farming. By taking the time to review the past farmers can learn what is normal and what are realistic extremes. This in turn allows farmers to make better decisions and be prepared with appropriate risk-management strategies.



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sense

by Doug Wilcox, MASC

The variety yield information listed in the Yield Manitoba tables is a compilation of the actual on-farm yields reported to the Manitoba Agricultural Services Corporation (MASC) by producers from their respective risk areas. In order for variety information to be listed in the table the variety must have a variety name and been sown by at least three producers on a minimum of 500 acres.

MASC has many yields it tracks for administrative purposes (e.g. gross, net, grade adjusted, etc.) and users of Yield Manitoba need to know what yield is being reported in the variety comparison tables.

The Yield Manitoba yields are "net yields" derived by adjusting the gross yields reported by producers on their MASC Harvested Production Reports (HPR) by the moisture, dockage and test weight, also reported on the HPR. Additionally, when there are measured yields from MASC appraisals or claims those yields will override reported net yields for Yield Manitoba purposes.

Destroyed acres with no appraisal are reported with a yield of zero. Alternate-use acres with no appraisals are not reported. None of the yields in Yield Manitoba are adjusted for grades. For 2009, there is a considerable acreage of over-wintered corn and many outstanding claims. For this reason no grain corn variety yield data is being provided as the yield information is still too incomplete (For 2009 only).

Please note that management and environmental influences have not been standardized in the Yield Manitoba variety yield tables, so caution should be exercised when doing cross-variety comparisons, particularly when there are limited acres or years of information.

Cross-variety comparisons are most meaningful between varieties grown on large acreage over many years. Additionally, to make the best variety selection for your farm it is recommended that you use the information in Yield Manitoba with other information sources such as Seed Manitoba.





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History beckons in the Wheat field

by Gord Gilmour

It all started innocently enough, with a project to commemorate a century of wheat breeding in Canada.

In 2007, agriculture instructors at the University of Manitoba thought it might be a nice touch to showcase heritage wheat and the history of Canadian wheat breeding with demonstration plots of the major Canadian varieties developed since the original Marquis registration in 1909.

They began by multiplying seed that year, then planted 45 demonstration plots for the 2008 and 2009 growing seasons, at the university's Carman research facility. As the site of the Manitoba Crop Diagnostic School, it sees a lot of traffic from people in the industry during a typical growing season, which provided a good opportunity to share the plots and commemorate a significant milestone, says Gary Martens, acting head of the School of Agriculture.

Varieties featured

The small plots featured virtually every variety ever developed and licensed in Canada, up to that point in time. Since then, a dozen or so new varieties have been registered, which weren't included in the project.

But instead of just growing them out as a simple curiosity, the agronomists decided to take things one step further, Martens says.

"We grew 45 varieties of hard red spring wheat in 2008 and 2009, and we gave them the best agronomic inputs that money could buy," Martens says. "Basically we gave them all 2009 agronomy, to tease out the genetics, to try to see the correlation between genetics and yield."

Interesting results

This is where things started to get interesting.

Some of the older varieties, especially from the 1980s and 1990s, seemed to perform quite well — and the newest varieties just didn't seem to have the yield boost that one might expect, Martens says.

At the end of both seasons the small plots were taken to yield, and it was only this winter that Martens had a chance to sit down and plug the data into a spreadsheet. When the first chart popped up based on this data, he says his first reaction was that he made a mistake.

More convincing

But when the second year showed similar results, he became more convinced, though he still made a point of checking all his data twice. What he was seeing was a yield curve that trended upwards over the years, until the early 1990s, when it flattened out.

"It showed that we peaked in yield in the early 1990s, and we've made no significant progress since," Martens says.

In some ways Martens says this project may help explain why older heritage varieties like AC Domain or AC Barrie still command significant acres in parts of the Prairies. Or why the new varieties that have been adopted, like the solidstem Lillian, are generally in response to major agronomic challenges like wheat stem sawfly, rather than something that's adopted on its own merits.

"Farmers are smart," Martens says with a chuckle. "They knew all this without ever having to see this graph."

Smart farmers

Another surprising result was that some of the older varieties were showing "fairly reasonable" levels of fusarium damage — while some of the newest varieties were downright train wrecks, says Martens.

"Some of them seemed to be real duds when it came to fusarium, like AC Abbey," he says.

The bottom line is that farmers seem to be fairly cautious about adopting new varieties once they've found one they like, and the data from this demonstration suggests that they're just not seeing a compelling reason to make a jump, says Martens, something that's

Continued on next page



Photo: Gary Martens

borne out by the fact that a large portion of the wheat crop is planted with saved seed.

"They're not just going to jump wholesale into something new," Martens says. It's a message he suspects won't be popular in all quarters.

"I suspect there are some breeders who won't be very happy to hear this."

Differences

Across campus at the Agriculture Canada Cereal Research Centre, however, hard red spring wheat breeder Stephen Fox greets the news with a chuckle — and a short lesson on the difference between research plots and demonstrations.

"I find these varieties [such as Domain and Barrie] tend to be low yielding, at least in the trials I'm doing," Fox says. "I haven't seen the data, and I have no doubt they're seeing tantalizing things in it, but they've only done one demonstration, with a couple different treatments, at a single site over two years; there just isn't enough data there to draw any firm conclusions."

Inconsistent

That's not to say he's questioning the results — only pointing out that there's a vast difference between a demonstration, a trial and a field, and noting that he's found surprising results like these at a few sites, over a year or two, since certain growing conditions can help or hinder certain varieties — something that can provide surprising results that can skew findings.

"This year Barrie was spectacular — something that was really difficult for new varieties," Fox says. "It's tough when the check variety has an outstanding year."

But a couple years earlier, conditions didn't favour Barrie.

"Two years ago Barrie tanked badly and some of the newer varieties were yielding 140 per cent of the check variety," Fox says.

Multiple year trials

Fox says it's precisely these sort of off-the-chart results that underline the importance of multiple year and location trials, to eliminate the wild cards when attempting to quantify yield results.

However, he does concede that there have been a couple of major wheat breeding challenges over the past 15 years or so — fusarium head blight and wheat midge. Both have proven to be major challenges and, in a world of limited research budgets, have taken up valuable time and energy that may have resulted in less yield gains that would otherwise have been possible. That happens because promising varieties with no resistance wind up being abandoned, Fox says.

"There's just no room in the system for these types of varieties," Fox explains.

Many fronts

Fox says the reality is that breeders must deliver on a number of fronts, including agronomy, disease and pest resistance and yield.

"My job is not just about high yield, and something occasionally has to give."

However researchers like Fox have made substantial progress on the wheat midge issue, and roughly half the lines in his breeding program now contain midge resistance — something that makes life a lot easier.

"I'm actually in the position now where I can now back off a bit on wheat midge," Fox says. "When it's that widespread, the resulting varieties will have the resistance."

Fusarium, however, remains a major challenge. While wheat midge was a relatively simple problem that relied on a single gene, fusarium resistance requires multiple genes and a level of background resistance in the lines the researchers are attempting to back-cross them into.

"When you have to [place] more genes into a background, it takes more time," Fox says.



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The 2009 growing season makes a comeback

by Andrew Nadler, Agricultural Meteorologist, MAFRI

In a typical year, there is a predictable pattern by which the weather behaves. We call this climate. Climate provides a basic description of the weather of a location based on past observations over a sufficient period of time.

On the most basic level, climate can tell us that the snow will melt in spring, summer will bring warm temperatures, and fall is a transition to the cold winter. Climate tells us approximately when to plant crops and how long they are expected to survive before winter. A more in-depth look at climate can provide average rainfall amounts and temperature indicators such as growing degree days or corn heat units.

Corn heat units and their seasonal accumulations are used as a way of measuring the amount of useful heat available for warmseason crops such as corn or soybeans. For agriculture, knowledge of climate is critical for knowing which crops will have a reasonable chance of success. Agroclimatic data and maps can be a valuable tool to help producers evaluate production risks.

We often look to climate as a set of rules under which the weather behaves. Unfortunately, climate does not determine the weather. Rather, the weather over the long term is what makes up climate. But what happens when the rules change — when the weather doesn't behave in a way that we expect? Conditions that fall beyond of the normal range can wreak havoc on agricultural production, particularly when they involve extremes.

The 2009 growing season began similar to most, with the

usual regional springtime issues. Once the seed is in the ground, Mother Nature usually takes over, providing adequate moisture and heat to move things along. However, the heat did not come as it normally does.

The average accumulation of corn heat units in May was about 70 per cent of long-term normal. June and July were at about 90 per cent of normal. August was slightly below long-term averages at about 97 per cent, resulting in the main part of the 2009 growing season (May through August) to be the coldest of the past several decades.

While September weather does tend to play a role in the total amount of growing-season heat, its contribution is not considered to be huge, particularly when the provincial average date of first fall frost is September 16.

As many of the immature crops were slated to be written off, the weather took a turn for the better. Corn heat unit accumulations in September averaged 160 per cent of normal, bringing the seasonal total closer to normal levels.

Almost the entire month remained frostfree, with the first frost in the central region occurring on September 29.

First frosts were as late as October 5 and October 8 in other parts of the province. September temperatures brought 2009 from being the coldest season in the past 30 years to surpassing in degree days some of the noteworthy years such as 1992, 1993, 2004, and 2008.

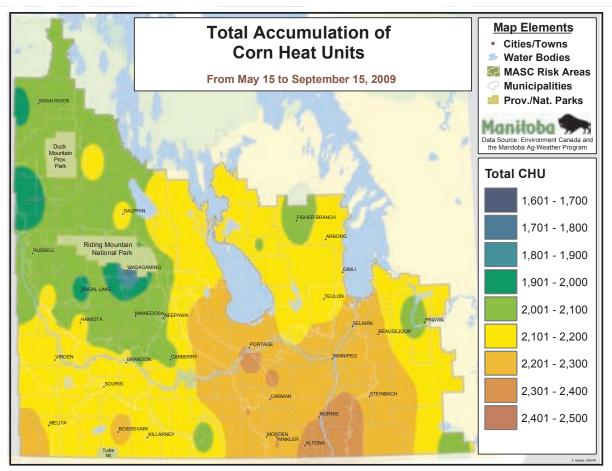
2009 monthly corn heat units at selected sites - actual and percent of long-term normal

	М	ay	Ju	ine	JI	uly	Aug	gust	Septe	mber	May	Sept
Weather Station	Actual	%Norm										
Arborg	218	68	467	88	578	87	617	103	583	184	2463	101
Boissevain	298	75	491	85	591	85	609	95	588	161	2578	96
Brandon	262	74	485	91	579	89	570	95	532	159	2427	98
Dauphin	247	60	494	81	591	81	583	86	538	135	2453	87
Elm Creek	268	68	531	94	627	89	633	103	587	160	2671	100
Gladstone	268	73	512	90	609	88	633	102	591	160	2614	100
Melita	308	79	466	85	603	88	598	94	574	153	2549	97
Morris	264	68	529	94	617	89	639	100	604	163	2653	100
Portage	245	62	516	89	643	89	676	104	615	168	2695	100
Russell	253	76	484	95	561	88	536	92	522	165	2357	99
Souris	285	81	495	93	592	91	589	98	574	172	2535	102
Steinbach	245	63	530	94	609	88	640	100	631	171	2654	100
Swan River	248	76	466	89	567	87	538	92	490	157	2309	96
Teulon	208	53	491	87	587	85	611	97	592	167	2490	95
Treherne	291	75	522	91	600	87	628	98	622	164	2663	100
Virden	285	77	480	86	588	86	579	91	536	152	2468	95
Winkler	270	66	540	89	611	83	632	93	610	149	2663	94

Above Normal Normal Below Normal - Based on 30-year Environment Canada normals (1971-2000)

So what can be learned from an abnormal growing season like 2009? Perhaps more than anything else is to expect the unexpected. If future climates are to be more variable, as forecasts have indicated, then 2009 is a prime example of weather that does not behave according to expectations or according to what the climatic profile would suggest.

In terms of managing agricultural risk, 2009 has been a prime example of the challenges that can be expected in the future.



Continued on page 27



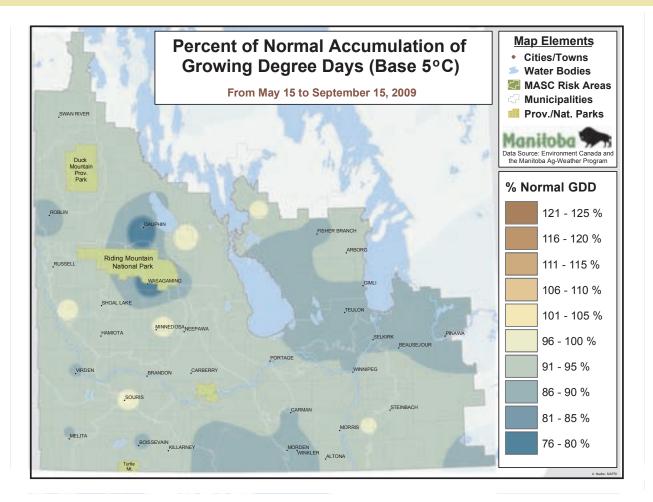
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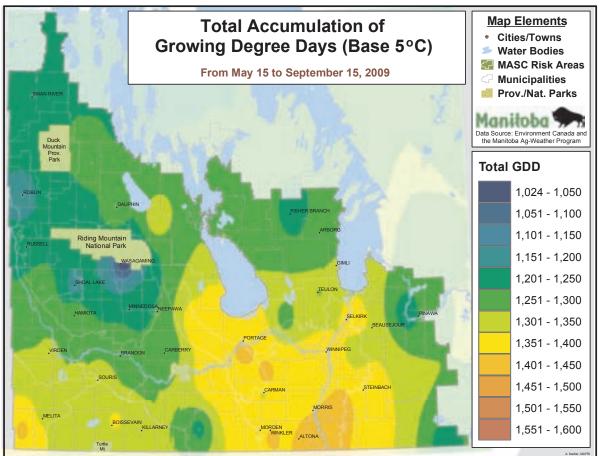
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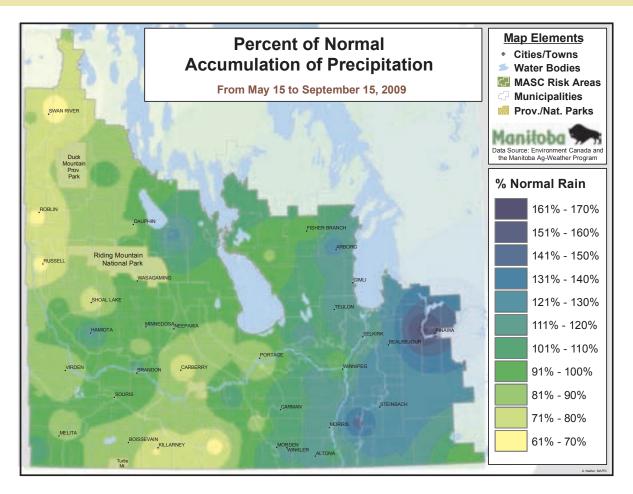
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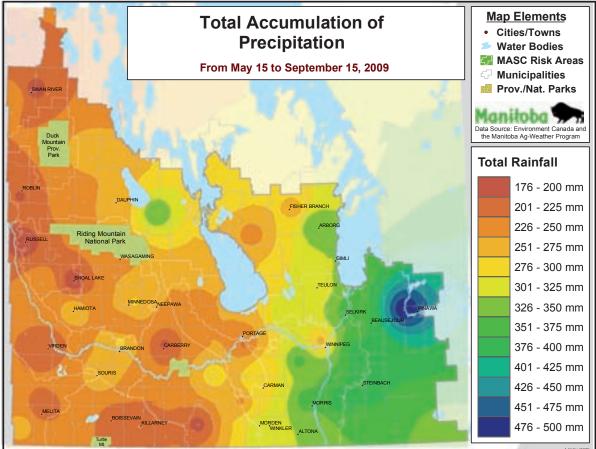
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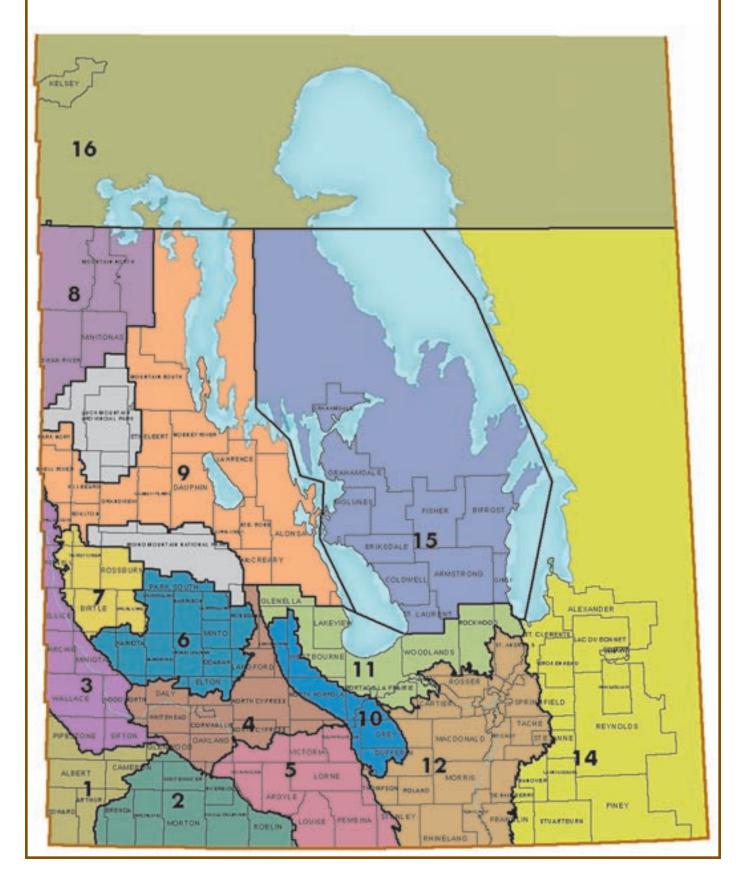
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ANOLA YIELDS BY VA						MANITOBA			
/ariety	2005 Yield	2006 Yield	2007 Yield	2008 Yield	2008 Acres	2009 Yield	2009‡ Acres		
′ariety 440 (LT)	rieid	rieid	rieid	45	225,824	45	827,244		
030 (LT)	29	38	31	43	346,531	43	287,975		
440 (LT)			_	44	181,413	45	271,740		
020 (LT)	28	38	27	41	449,358	40	218,570		
1-45RR (RT)		34	29	39	247,517	39	153,712		
590 (LT)	_	—	31	41	146,334	41	104,574		
2-55RR (RT)	_	_		44	2,283	43	94,473		
5H28 (RT)	_	_	_	42	4,276	43	91,027		
EX 845CL (ST)	_	_	29	36	193,285	38	76,970		
144	_	_			133,203	40	70,700		
5H26 (RT)	_	_	31	40	115,053	41	63,995		
553 (RT)		_	—	28	1,163	40	58,073		
ICTORY V1037 (RT)	_	_	_	39	3,143	41	48,672		
X4 105 RR	_	_	_	42	532	44	44,466		
141 (LT)	_	_	_	37	27,840	41	38,517		
841 (RT)	19	35	30	37	80,324	38	36,051		
ICTORY V2030 (RT)	13			51	00,024	36	32,566		
ICTORY V1035 (RT)	_	_	29	38	76,958	40	24,889		
IONEER 45S51 (RT)		_	29	30	10,990	39	24,009		
4-65 (RT)	20	35	27	34	46,990	39	23,858		
14-05 (RT)	20	30	21	34	40,990	42	23,858		
6P50 (RT)			31	38	50 569	42	23,102		
()	_	_	31	30	50,568	42			
3150 (RT) 818 (RT)	28	32	27	35	18,533	40	22,174 21,539		
818 (RT) 2151 (RT)	20	32	21	30	10,000		,		
3151 (RT)	_	_	31	20	18,931	40 41	20,857		
5H73 (ST)	22	24		39	,		19,012		
5H21 (RT)	22	34	28	35	32,445	39	15,037		
414 (RT)	_	—	25	35	24,256	37	14,319		
X4 202 CL (ST)	_	_	—	50	582	39	10,899		
ICTORY V2018 (RT)				38	32,971	36	10,381		
070 (LT)	27	38	31	43	251,865	40	9,815		
X4 104 RR	_		—	_	_	41	9,696		
3H57	-	-	-	31	609	29	8,542		
EKALB 72-65 (RT)	—	_	_	—		41	8,412		
97RR (RT)	_		31	29	8,057	37	7,992		
RAIRIE 719RR (RT)	22	28	27	22	4,316	28	6,185		
5P70 (ST)	—	—	26	34	12,194	32	5,812		
768S (RT)	_	_	_	32	2,511	36	4,967		
6A76 (ST)	23	30	23	31	10,946	31	4,627		
852H (RT)		_	25	40	3,242	35	4,556		
550 (RT)	23	28	23	33	9,552	39	4,420		
ROVEN 9551 (RT)	—	—	26	31	7,832	31	3,668		
ED RIVER 1826 (RT)	_	30		38	1,867	41	3,647		
1-40CL (ST)	—	—	—	—	—	34	3,315		
362 (RT)	_	_	24	32	2,958	26	3,280		
P BANNER (RT)	27	30	25	30	7,674	35	3,062		
P DESIRABLE RR (RT)	21	32	29	36	5,917	35	3,052		
5H25 (RT)	—	35	27	37	6,053	36	3,001		
UGBY (RT)	_	_	_	29	3,310	38	2,993		
651H (ST)	—	—	—	37	7,553	31	2,987		
XCEED (LT)	7	28	—	—	_	23	2,985		
3H01RR (RT)	—	—	—	35	2,371	40	2,886		
5H24 (RT)	31	37	29	36	16,103	40	2,859		
EX 828CL (ST)	31	33	25	36	15,284	38	2,287		
W 3950 (RT)	_	32	25	31	4,581	39	2,136		
P FAVOURABLE RR (RT)	—	—	—	—	—	31	2,005		
143 (LT)	_	_	—	40	56,416	48	1,895		
P FAVORABLE RR (RT)	—	—	—	34	6,932	39	1,816		
4-55 (RT)	22	30	28	34	7,378	41	1,726		
124 RR (RT)	_	_	_	_		41	1,685		
5A51 (RT)	—	_	_	_	_	43	1,653		
2-75 (RT)	29	28	21	_	_	22	1,556		
CEED 8570	_			_	_	25	1,527		
ICTORY V1030 (RT)	20	32	25	36	15,284	41	1,311		
ROVEN 9552RR	20				.0,204	36	1,248		
3A56 (RT)	13	22	20	_		20	1,100		
IVIGOR 2573 (LT)	30	33	20	29	2,774	19	1,090		
. ,		32	20						
EX 830 CL (ST)	15	32		36	21,872	36	933		
	_		29	34	2,733	39	886		
P 621 RR (RT)									
CEED 8571CL (ST) 5A71 (ST)	— 18	 23	— 15	37	2,422	27 38	861 806		

CANOLA YIELDS BY VARIETY 2005–2009† MANITOBA									
	2005	2006	2007	2008	2008	2009	2009‡		
Variety	Yield	Yield	Yield	Yield	Acres	Yield	Acres		
ACS-C7 (POLISH)	—	—	—	—	—	11	782		
84S01LL (LT)	—	—	—	32	2,510	40	768		
SW 6802 (RT)	25	32	25	38	1,186	36	757		
292CL (ST)	23	30	23	28	862	34	666		
AC SUNBEAM (POLISH)	0	—	_	_	—	15	662		
NEXERA G31064RR (RT)	—	—	—	—	—	36	553		
DEKALB 72-35RR (RT)	_	—	_	—	—	26	547		
5108 (LT)	26	37	22	29	2,876	22	537		
XCEED 8570 CL (ST)	—	—	_	—	—	40	520		
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§ 42.4 2,946,005									

WHEAT YIELDS BY VARIETY 2005–2009† MANITOBA									
	2005	2006	2007	2008	2008	2009	2009‡		
Variety	Yield	Yield	Yield	Yield	Acres	Yield	Acres		
KANE (RS)	0.0		47	61	24,662	53	479,275		
AC BARRIE (RS)	28 58	42 54	38 46	50 57	542,032	50 57	410,444		
HARVEST (RS)	37	46	39	51	224,933 364,456	49	344,818		
AC DOMAIN (RS) 5602HR (RS)	37	40	39 45	47	243,523	49	316,688 162,667		
CDC FALCON (W)	35	69	69	74	411,809	49 64	158,770		
SUPERB (RS)	36	47	42	51	252,319	51	109,186		
MCKENZIE (RS)	33	39	39	43	111,269	49	105,318		
GLENN (RS)						55	89,363		
CDC GO (RS)	_	_	57	57	86,652	59	74,018		
CDC BUTEO (W)	35	56	55	60	57,691	55	40,081		
AC INTREPID (RS)	45	48	38	51	45,129	50	37,936		
CDC TEAL (RS)	44	44	38	50	38,478	45	35,760		
SNOWSTAR (HWS)	—	—	—	60	2,049	58	33,067		
INFINITY (RS)	_	57	43	52	42,114	51	30,499		
5601HR (RS)	27	44	41	43	39,163	46	27,013		
AC CADILLAC (RS)	30	35	35	39	29,277	41	22,161		
CDC IMAGINE (RS)	36	43	35	46	35,318	48	20,815		
MCCLINTOCK (W)	30	56	55	60	32,729	54	17,724		
AC SPLENDOR (RS)	50	48	41	55	16,491	52	15,965		
CDC BOUNTY (RS)	36	37	34	41	15,885	43	11,044		
ALSEN (F)	25	51	49	56	10,121	51	10,310		
5400IP (RS)	41	49	40	50	14,449	48	10,041		
AC ANDREW (F)	—	62	49	61	14,633	60	9,649		
SOMERSET (RS)	_	40	40	49	17,900	50	9,587		
BRIGGS (F)	—	61	55	54	3,052	63	9,512		
AC CORA (RS)	28	37	33	42	16,081	48	8,913		
LOVITT (RS)	43	40	36	42	12,597	50	7,837		
CDC ABOUND (RS)	—	—	—	_	-	57	7,552		
AC WASKADA (RS)	—	—	—		_	55	6,832		
HY 644 (F)	_	—	64	51	3,112	52	6,466		
SNOWBIRD (HWS)	29	45	41	51	57,674	47	6,078		
AC VISTA (PS)	51	48	44	62	8,623	44	6,071		
5701PR (PS)	48	54	48	56	11,994	49	5,320		
AC ELSA (RS)	40	44	39	47	4,601	49	4,088		
AC TABER (PS)	48	46	47	51	6,070	41	3,219		
GLENN (F)			41	47	3,412	42	3,043		
CDC RAPTOR (W)	30	52	53	56	9,183	55	3,000		
AC UNITY (RS)	_	_	—	55	2 /00	58 50	2,834		
CDC ALSASK (RS)	37	45	49	60	3,482	49	2,833		
5700PR (PS) BHISHAJ (F)		40	49		7,892	80	2,810 2,576		
KYLE (D)	39		_	33	6,878	32	2,497		
TRAVERSE (F)		_	_		0,070	35	2,497		
PRODIGY (RS)	33	36	29	44	3,038	56	2,493		
ALVENA (RS)			25		3,030	53	2,403		
LILLIAN (RS)	_	_	41	49	1,568	50	1,676		
BURNSIDE (ES)	19		37	57	5,424	60	1,644		
OSLO (PS)		_	40		0,424	37	1,602		
RUSS (F)	36	50	41	36	1,195	50	1,339		
AC MAJESTIC (RS)	27	37	30	42	2,634	48	1,272		
CDC PTARMIGAN (W)		_	_			66	1,197		
CDC HARRIER (W)	30	54	54	66	6,517	51	1,113		
WR 859 CL (RS)	_	—	_	_		52	1,091		
GOODEVE (RS)	_	_	_	_	_	57	1,089		
CDC CLAIR (W)	26	60	61	58	2,903	44	974		
JOURNEY (RS)	29	43	40	52	2,446	40	846		
ROBLIN (RS)	27	37	33	38	1,523	44	833		
5500HR (RS)	28	38	27	34	847	39	750		
FJELD (F)	_	_	—	_	—	62	520		
WEIGHTED AVERAGE YIELD	AND T	OTAL AC	REAGE	§			2,714,318		
				-					

Yields only for those varieties grown on more than 500 acres and by more than 2 growers;
 Weighted Average Yield and Total Acreage include acres not reported in the table.
 Insufficient yield data available at time of publication

On system as of January 11, 2010;
* Assuming 48 lbs./bu.

Management

BARLEY* YIELDS BY		MA	NITOBA				
	2005	2006	2007	2008	2008	2009	2009‡
Variety	Yield	Yield	Yield	Yield	Acres	Yield	Acres
CONLON	37	71	65	75	176,038	76	154,942
TRADITION	49	73	66	76	71,550	75	80,882
AC METCALFE	42	61	50	65	82,880	70	70,571
NEWDALE	37	69	62	72	74,309	78	54,252
LEGACY	49	69	64	77	73,094	77	41,468
CDC COPELAND	43	66	59	70	29,645	73	32,737
LACEY	42	68	59	71	29,079	72	20,617
ROBUST	36	58	51	59	30,726	67	19,692
CDC TREY	51	78	62	68	24,028	65	16,348
CDC COWBOY	—	—	—	57	3,995	65	9,093
AC RANGER	42	65	59	62	19,042	62	8,000
CDC STRATUS	37	63	48	67	5,570	66	4,443
XENA	43	75	53	69	5,696	70	3,852
EXCEL	46	64	47	66	7,850	66	3,690
CDC YORKTON	61	62	59	71	6,835	65	3,386
SUNDRE	—	—	—	63	670	78	2,598
CDC HELGASON	56	68	57	74	3,120	80	2,339
BEDFORD	28	58	49	59	1,635	58	2,096
AC ROSSER	40	66	60	53	1,771	70	1,634
CDC BATTLEFORD	—	59	67	56	2,982	66	1,327
STELLAR-ND	—	—	—	_	_	70	1,270
CDC COALITION	—	—	—	—	—	104	972
CDC MCGWIRE	23	62	50	76	1,042	82	887
VIVAR	32	74	48	56	1,509	63	793
CDC MINDON	_	_	_	_	_	80	703
AC LACOMBE	44	58	39	51	1,287	53	570
CHAMPION	—	_	_	_	_	96	501
WEIGHTED AVERAGE YIE	LD AND T	OTAL A	CREAGE	Ì		73.5	547,290

SOYBEAN YIELDS BY VARIETY 2005–2009† MANITOBA									
	2005	2006	2007	2008	2008	2009	2009‡		
Variety	Yield	Yield	Yield	Yield	Acres	Yield	Acres		
NSC PORTAGE RR (RT)	_	_	39	36	55,546	30	93,066		
90M01 (RT)	—	30	40	32	47,435	32	57,474		



Working hard to earn your trust!

y	
Seed Depot/John M. Smith	825-2000
Avondale Seed Farm	877-3813
Boissevain Select Seeds Ltd	534-6846
Catellier Seeds	
Clearview Acres Ltd	748-2666
Court Seeds	
Darcey Miller	267-2363
Durand Seeds Inc.	248-2268
Ens Farm Ltd	325-4658
Friesen Seeds	746-8325
Gagnon Seeds	447-2118
HB Agri Seed	523-7464
Hulme Agri Products	
James Farms	222-8785
Jeffries Seeds Ltd	827-2102
Kletke Seed Service	886-2822
Manness Seeds	736-2622
Nadeau Seeds Inc	436-2469
Nickel Bros842	-3786/3757
Nordal Seeds Ltd	
Pedigreed by Penner	829-3556
Rutherford Farms	467-5613
Seine River Seed Farm	355-4495
Sierens Seeds	744-2883
Smith Seeds	
Swan Valley Seeds	734-2526
Triple "S" Seeds Ltd	546-2590
Unrau Seeds	
Wilson Seeds Ltd	246-2388
Zeghers Seeds	526-2145



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- ⇒ Still excellent yields
- ⇒ Still your highest quality barley
- ✓ The feed mill's choice (2-7% higher energy!)
- ✓ High Bushel Weight & Large Seed
- $\checkmark\,$ Excellent yields for top high input growers
- ✓ Very early Maturity earlier harvests!
- ✓ Shorter/Good Lodging Relative to Checks
- ✓ Best Ratings for Fusarium
- ✓ Disease Assessment MR-Net Blotch
 - MR-MS Spot Blotch

Thank you for putting your confidence in Certified Conlon Barley seed... we appreciate your business!

MB Seed Depot Dealers



Yields only for those varieties grown on more than 500 acres and by more than 2 growers; t Weighted Average Yield and Total Acreage include acres not reported in the table.
 Insufficient yield data available at time of publication

SOYBEAN YIELDS BY	ARIET	Y 2005	-2009†			MA	NITOBA
	2005	2006	2007	2008	2008	2009	2009‡
Variety	Yield	Yield	Yield	Yield	Acres	Yield	Acres
90A06 (RT)	_	_	36	33	33,162	26	44,389
LS 0036RR (RT)	—	30	39	33	22,189	27	40,948
NSC WARREN RR (RT)	_	—	_	31	7,567	26	31,028
LS 0065RR (RT)	—	32	39	34	5,383	37	24,268
DK 25-04R (RT)	_	—	_	35	784	33	17,423
OAC PRUDENCE	20	24	34	31	13,925	29	16,632
25-02R (RT)	27	29	40	34	17,911	30	16,320
24-52R (RT)	_	_	_	_	· _	29	10,927
RR ROSCO (RT)	21	31	29	33	13,404	26	9,555
LS 0028RR (RT)	_	_	_	_	· —	28	6,929
90A07	16	31	34	34	4,557	32	5,893
RR RUSSELL (RT)	—	—	—	33	1,305	30	4,904
THUNDER 27005RR (RT)	_	—	_	33	7,691	25	4,875
2703 RR (RT)	—	—	—			33	4,836
GENTLEMAN	22	27	34	31	5.699	27	4.817
MONTCALM (RT)	—	30	35	26	8,031	22	3,729
OLEXRR (RT)	—	—	37	33	1,719	33	3,491
APOLLO RR (RT)	22	27	32	31	4,059	26	3,109
ISISRR (RT)	—	—	_	_	, <u> </u>	36	2,905
90A01	22	25	31	26	1,475	22	2,613
26006RR (RT)	_	—	42	34	2,222	30	2,169
RR REGIS (RT)		28	37	34	5,459	24	2,125
90M02 (RT)	_	—	40	34	2,285	32	1,506
THUNDER 26005RR (RT)	—	27	34	32	2,129	33	1,390
OAC ERIN	_	37	39	39	1,124	42	1,356
THUNDER 26006RR (RT)	—	36	_	36	601	31	1,326
DRAKORR (RT)	—	21	_	28	2,069	32	902
NSC 2703 (RT)		—	—		_	37	890
LS 0045RR (RT)	—	30	32	29	5,472	43	886
NSC 2007 (RT)	20	28	36	34	7,899	29	739
2606RR (RT)	_	_	_	_		27	717
NSC 2011RR (RT)	—	_	40	35	5,681	18	683
ACCORD	28	34	22	33	1,912	29	653
S00-H7 (RT)	—	—	—	_		41	582
WEIGHTED AVERAGE YIELI) AND T	OTAL A	REAGE	ş		29.7	434,031
				-			

OAT YIELDS BY VARIET	TY 2005	5-2009	t			МА	NITOBA
	2005	2006	2007	2008	2008	2009	2009‡
Variety	Yield	Yield	Yield	Yield	Acres	Yield	Acres
FURLONG	53	85	95	110	187,069	103	108,006
LEGGETT	—	85	100	102	102,998	102	77,062
RONALD	40	84	94	110	146,660	100	58,835
PINNACLE	68	78	91	87	131,267	98	52,330
JORDAN	_	—	108	123	23,864	107	22,371
SOURIS	—	—	—	139	1,416	121	20,133
AC ASSINIBOIA	39	74	80	90	48,654	87	17,758
CDC DANCER	85	104	103	113	22,263	106	17,462
TRIPLE CROWN	69	83	76	95	26,563	87	14,218
HIFI	149	98	99	110	14,595	107	13,181
RIEL	35	74	85	106	5,476	97	3,912
TRIACTOR	—	_	—	—	_	125	3,072
ROBERT	47	54	83	83	5,060	68	2,606
GEHL	—	—	—	_	_	60	2,039
DUMONT	40	44	53	65	3,330	55	1,448
AC PREAKNESS	42	42	55	59	3,018	69	1,234
DERBY	58	60	50	84	1,581	80	981
JERRY	38	74	79	101	3,028	97	731
CDC WEAVER	_	—	—	127	1,201	85	669
CDC BALER	_	_	—	87	889	69	617
CDC BOYER	53	56	50	62	816	68	598
WEIGHTED AVERAGE YIELI) AND T	OTAL AG	CREAGE	ş		100.3	429,015

FLAX YIELDS BY VARIE	TY 200)5–200	9†			MANITOBA		
	2005	2006	2007	2008	2008	2009	2009‡	
Variety	Yield	Yield	Yield	Yield	Acres	Yield	Acres	
CDC BETHUNE	15	21	22	26	138,016	27	150,641	
CDC SORREL	—	—	25	25	21,486	28	39,497	
HANLEY	13	20	23	23	34,664	26	29,051	
LIGHTNING	16	22	21	27	13,125	30	13,831	
TAURUS	19	21	20	24	16,676	27	10,514	
PRAIRIE THUNDER	—	—	—	—	—	28	5,554	
PRAIRIE BLUE	14	20	21	23	7,739	25	4,159	
AC EMERSON	13	20	22	22	4,265	29	2,491	
NORLIN	16	17	17	15	2,867	18	2,102	
OMEGA	8	22	20	29	4,845	25	1,798	
AC LINORA	8	17	14	_	_	28	1,312	
AC CARNDUFF	19	25	21	25	1,476	23	1,282	

‡ On system as of January 11, 2010; Assuming 48 lbs./bu.

Management

FLAX YIELDS BY VARIE	ETY 20	05–200	9†			MANITOBA	
	2005	2006	2007	2008	2008	2009	2009‡
Variety	Yield	Yield	Yield	Yield	Acres	Yield	Acres
FLANDERS	19	20	18	23	1,462	18	1,118
SOMME	15	20	13	16	787	20	996
PRO OMEGA	_	23	—	_	—	12	911
AC WATSON	15	20	15	26	1,703	20	767
MACBETH	_	_	—	18	529	20	698
LINOTT	_	_	—	_	—	16	690
AC MCDUFF	18	21	23	21	846	19	655
WEIGHTED AVERAGE YIELI) AND T	OTAL A	CREAGE	ş		26.9	270,620

DEKALB DKC26-79 (RT) 8 PIONEER 39B94 (BT)(LT)(RT) - PIONEER 39D95 (RT) - PIONEER 39B96 (BT)(LT) - PIONEER 39B96 (BT)(LT) - PIONEER 39B96 (BT)(LT) - PIONEER 39B90 (RT) - DEKALB DKC26-78 (RT) 6 PIONEER 39B93 - HYLAND HL R208 (RT) - PIONEER 39M26 (RT) - PIONEER 39M26 (RT) - PIONEER 39H33 (RT) - PIONEER 39H63 (BT)(LT) -		2006 Yield	2007 Yield	2008	2008	2009	2009‡
PIONEER 39D97 (BT)(LT)(RT) DEKALB DKC26-79 (RT) DEKALB DKC26-79 (RT) PIONEER 39B95 (RT) PIONEER 39B95 (RT) PIONEER 39B96 (BT)(LT) PIONEER 39B90 (RT) PIONEER 39B90 (RT) DEKALB DKC26-78 (RT) PIONEER 39B93 HYLAND HL R208 (RT) PIONEER 39F60 (BT)(RT) PIONEER 39F60 (BT)(RT) PIONEER 39F83 (RT) PIONEER 39F63 (BT)(RT)	_		Yield				
DEKALB DKC26-79 (RT) 8 PIONEER 39B94 (BT)(LT)(RT) - PIONEER 39B95 (RT) - PIONEER 39B96 (BT)(LT) - PIONEER 39B97 (BT) 6 PIONEER 39B90 (RT) - DEKALB DKC26-78 (RT) 6 PIONEER 39B93 - HYLAND HL R208 (RT) - PIONEER 39M26 (RT) - PIONEER 39F60 (BT)(RT) - PIONEER 39F63 (BT)(RT) - PIONEER 39F63 (BT)(LT) -				Yield	Acres	Yield	Acres
PIONEER 39B94 (BŤ)(LŤ)(RT) PIONEER 39D95 (RT) PIONEER 39B96 (BT)(LT) PIONEER 39B90 (BT)(LT) PIONEER 39B90 (RT) PIONEER 39B90 (RT) DEKALB DKC26-78 (RT) DEKALB DKC26-78 (RT) PIONEER 39B93 HYLAND HL R208 (RT) PIONEER 39M26 (RT) PIONEER 39M26 (RT) PIONEER 39H63 (RT) PIONEER 39H83 (RT) PIONEER 39B863 (BT)(LT)			129	129	34,285	n/a	n/a
PIONEER 39D95 (RT) - PIONEER 39B96 (BT)(LT) - PIONEER 39B90 (BT) - PIONEER 39B90 (RT) - DEKALB DKC26-78 (RT) 6 PIONEER 39B93 - HYLAND HL R208 (RT) - PIONEER 39B26 (RT) - PIONEER 39F60 (BT)(RT) - PIONEER 39F63 (BT) - PIONEER 39F83 (RT) - PIONEER 39F63 (BT)(LT) -		113	113	109	32,323	n/a	n/a
PIONEER 39B96 (BT)(LT) - PIONEER 39M27 (BT) 6 PIONEER 39B90 (RT) - DEKALB DKC26-78 (RT) 6 PIONEER 39B93 - HYLAND HL R208 (RT) - PIONEER 39M26 (RT) - PIONEER 39H60 (BT)(RT) - PIONEER 39H53 (BT) - PIONEER 39H53 (BT) - PIONEER 39H53 (BT)(LT) -	-	-		126	28,202	n/a	n/a
PIONEER 39M27 (BT) C PIONEER 39B90 (RT) - DEKALB DKC26-78 (RT) - PIONEER 39B93 - HYLAND HL R208 (RT) - PIONEER 39M26 (RT) - PIONEER 39M26 (RT) - PIONEER 39F60 (BT)(RT) - PIONEER 39H83 (RT) - PIONEER 39B63 (BT)(LT) -	_	_	117	117	14,731	n/a	n/a
PIONEER 39B90 (RT) - DEKALB DKC26-78 (RT) 6 PIONEER 39B93 - HYLAND HL R208 (RT) - PIONEER 39M26 (RT) - PIONEER 39F60 (BT)(RT) - PIONEER 39F63 (BT)(LT) -	~ 7		125	128	14,186	n/a	n/a
DEKALB DKC26-78 (RT) C PIONEER 39B93 - HYLAND HL R208 (RT) - PIONEER 39M26 (RT) - PIONEER 39F60 (BT)(RT) - PIONEER 39F63 (RT) - PIONEER 39F63 (BT)(LT) -	67	116	124	112	12,129	n/a	n/a
PIONEER 39B93 - HYLAND HL R208 (RT) - PIONEER 39M26 (RT) - PIONEER 39F60 (BT)(RT) - PIONEER 39H83 (RT) - PIONEER 39B63 (BT)(LT) -	_			118	10,792	n/a	n/a
HYLAND HL R208 (RT) - PIONEER 39M26 (RT) - PIONEER 39F60 (BT)(RT) - PIONEER 39F83 (RT) - PIONEER 39B83 (RT) -	63	102	115	111	7,537	n/a	n/a
PIONEER 39M26 (RT) - PIONEER 39F60 (BT)(RT) - PIONEER 39H83 (RT) - PIONEER 39H83 (RT) -	_	100	128	112	6,292	n/a	n/a
PIONEER 39F60 (BT)(RT) - PIONEER 39H83 (RT) 7 PIONEER 39B63 (BT)(LT) -	_	—	115	105	4,351	n/a	n/a
PIONEER 39H83 (RT) 7 PIONEER 39B63 (BT)(LT) -	_	58	106	92	3,695	n/a	n/a
PIONEER 39B63 (BT)(LT) -		—	121	110	2,714	n/a	n/a
	75	125	136	121	2,132	n/a	n/a
	_	—	115	121	1,712	n/a	n/a
	76	113	118	92	1,555	n/a	n/a
		—	—	130	1,528	n/a	n/a
		—	—	129	1,359	n/a	n/a
DEKALB DKC27-32 (RT) -			—	91	1,096	n/a	n/a
		—	—	110	1,088	n/a	n/a
	_	—	118	111	1,036	n/a	n/a
		—	118	119	904	n/a	n/a
DEKALB DKC27-45 (RT) -		—	—	125	874	n/a	n/a
HYLAND BAXXOS RR (RT) -		—	58	97	787	n/a	n/a
LEGAND LS5875 -	_	—	—	136	612	n/a	n/a
PRIDE K083 5	52	107	120	66	611	n/a	n/a
PIONEER 39T67 (RT)	57	102	103	139	569	n/a	n/a
DEKALB DKC27-44 (RT) -		_	_	111	566	n/a	n/a
PIONEER 39Z69 (RT) -	_	—	—	94	565	n/a	n/a
PRAIRIE PACIFIC PP 2075 -	_	_	—	87	502	n/a	n/a
WEIGHTED AVERAGE YIELD AN	-					n/a¶	n/a¶

SUNFLOWER YIELDS BY VARIETY 2005–2009† MANITOBA										
	2005	2006	2007	2008	2008	2009	2009‡			
Variety	Yield	Yield	Yield	Yield	Acres	Yield	Acres			
SEEDS2000 6946 (C)	888	2,039	1,576	1,627	67,354	1,579	53,589			
SEEDS2000 JAGUAR (C)(ST) —		1,508	1,497	16,324	1,497	20,970			

Yields only for those varieties grown on more than 500 acres and by more than 2 growers;

Weighted Average Yield and Total Acreage include acres not reported in the table
 Insufficient yield data available at time of publication

SUNFLOWER YIELDS B	Y VAR	RIETY 2	2005–20	09†		MA	NITOBA
	2005	2006	2007	2008	2008	2009	2009:
Variety	Yield	Yield	Yield	Yield	Acres	Yield	Acres
SEEDS2000 PANTHER (C)	_	_	1,770	1,179	760	1,365	8,768
PIONEER 63M80 (0)	959	2,394	1,731	1,700	16,791	1,404	7,270
SEEDS2000 COUGAR (C)	935	1,651	1,343	1,138	864	1,217	6,650
DAHLGREN D-9532 (C)	811	1,706	1,660	1,122	7,936	1,362	4,909
PIONEER 63M40 (0)	_	_	—	1,856	3,785	1,761	3,517
IS 8048 (C)	—	—	—	—	—	842	3,060
INTERSTATE IS 8048 (C)	747	1,808	1,418	1,248	3,946	805	2,898
CHS RH 1121 (C)	—	—	—	1,830	3,774	1,285	2,537
DEKALB DKF34-80 CL (0)(0	CL) —	_	—	—	—	1,155	2,51
SEEDS2000 DEFENDER PLUS	(0)—	1,991	1,422	1,402	10,265	1,354	2,117
MYCOGEN 8N270 (0)	_	—	1,711	1,484	3,406	1,770	1,988
SEEDS2000 PANTHER DMR	(C) —	—	—	1,631	740	1,658	1,92
SEEDS2000 VIPER (0)(ST)		—	—	1,232	1,581	1,157	1,88
CROPLAN GENETICS IS 8135	(C) —	—	1,612	1,060	3,245	1,175	1,394
INTEGRA 735 NS CL (0)	_	—	—	—	_	1,715	1,34
MYCOGEN SF270 (0)	1,045	1,605	1,506	1,433	6,954	1,142	1,30
PIONEER 63A21 (0)	_	765	—	1,142	1,614	1,669	1,28
SEED2000 JAGUAR DMR (C	C) —	—	—	_	_	1,270	1,092
IS 6131 NS/DM (0)	_	_	_	_	_	1,067	1,08
INTERSTATE IS6131 NS/DM	(0) —	—	—	1,744	2,140	1,221	884
MYCOGEN 8N272 (0)		_	_	_	_	2,059	714
SEED2000 PANTHER II (C)	—	—	—	—	_	1,312	63
WEIGHTED AVERAGE YIELD	AND T	OTAL A	CREAGE	§		1443.6	138,772

DRY BEAN YIELDS BY	VARIE	TY 200	5-2009	t t		MANITOBA		
	2005	2006	2007	2008	2008	2009	2009‡	
Variety	Yield	Yield	Yield	Yield	Acres	Yield	Acres	
WINDBREAKER (PINTO)	_	—	1,962	2,176	14,192	1,806	31,167	
ENVOY (WHITE PEA)	756	1,739	1,464	1,468	36,566	1,515	22,131	
MAVERICK (PINTO)	690	1,834	1,806	2,037	14,743	1,537	15,895	
ECLIPSE (BLACK)	_	—	2,070	1,911	7,018	1,647	9,308	
PINK PANTHER (KIDNEY)	324	1,823	1,391	1,515	9,065	1,878	8,601	
T9903 (WHITE PEA)	_	1,922	1,775	1,616	11,783	1,770	7,833	
AC PINTOBA (PINTO)	650	1,733	1,870	1,969	6,665	1,748	7,355	
CARGO (WHITE PEA)	421	1,722	1,429	1,548	3,790	1,475	2,652	
AC OLE (PINTO)	882	1,905	1,645	2,251	3,579	1,925	2,499	
LA PAZ (PINTO)	_	—	—	—	—	1,623	2,030	
BLACK VIOLET (BLACK)	_	_	_	1,885	879	1,437	2,008	
FOXFIRE (KIDNEY)	507	1,781	1,323	1,155	2,743	2,161	1,944	
AC CRUISER (WHITE PEA)	670	1,812	1,561	1,565	2,124	1,380	1,709	
CDC JET (BLACK)	_	1,673	1,684	1,482	2,436	1,565	1,649	
BUSTER (PINTO)	584	_	2,163	2,205	1,809	1,660	1,535	
FLOYD (OTHER)	1,054	1,872	1,455	1,960	1,708	1,667	1,519	
ROG 802 (KIDNEY)	218	1,795	1,415	1,444	1,631	1,325	1,183	
BERYL (OTHER)	_	1,887	1,499	2,099	1,158	1,874	1,095	
CDC PINTIUM (PINTO)	448	946	1,243	_	_	1,252	1,015	
VM 353 (WHITE PEA)	_	—	—	—	—	1,118	920	

On system as of January 11, 2010; Assuming 48 lbs./bu.

‡

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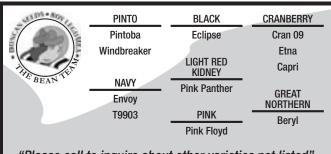


DRY BEAN YIELDS BY	ARIE	TY 200	5–2009	†		MA	NITOBA
	2005	2006	2007	2008	2008	2009	2009‡
Variety	Yield	Yield	Yield	Yield	Acres	Yield	Acres
AC EARLIRED (SMALL RED)	84	2,024	1,442	1,413	1,740	1,462	885
ROG 331 (WHITE PEA)	311	1,724	1,689	1,761	2,152	1,435	655
ROG 312 (OTHER)	622	1,803	1,761	1,982	573	1,129	625
RYDER (SMALL RED)	—	—	—	_	—	1,411	575
TOPAZ (PINTO)	796	_	_	_	_	1,294	547
MONTCALM (KIDNEY)	—	—	_	—	_	1,867	527
WEIGHTED AVERAGE YIELD	AND 1	OTAL A	CREAGE	§		1661.8	134,832

FIELD PEA YIELDS BY	VARIE	FY 200	5–2009	t		MA	NITOBA
	2005	2006	2007	2008	2008	2009	2009‡
Variety	Yield	Yield	Yield	Yield	Acres	Yield	Acres
CDC GOLDEN	—	48	45	40	42,592	49	19,254
CDC STRIKER	27	45	47	41	7,850	50	9,170
CDC MEADOW	—	—	—	54	652	52	7,380
ECLIPSE	22	43	41	41	6,209	53	3,114
COOPER	—	50	37	43	1,997	50	3,050
AGASSIZ	—	—	—	—	—	48	2,102
4010	12	36	36	36	1,347	37	1,978
FUSION	—	—	49	37	2,586	48	1,967
CROMA	26	46	51	46	1,864	67	1,871
EIFFEL	15	51	46	44	945	45	1,721
THUNDERBIRD	—	—	_	—	—	46	1,492
SW CAPRI	50	37	39	52	1,094	43	1,399
MIDAS	21	40	36	37	3,902	35	1,365
SW SALUTE	21	42	36	43	1,954	50	1,308
ALFETTA	20	50	46	47	2,458	69	1,260
CDC MOZART	16	45	24	40	2,045	49	1,097
LIVIOLETTA	26	43	38	36	740	44	975
SWING	22	39	38	30	1,823	36	762
DELTA	24	40	42	38	1,497	37	750
TUDOR	23	45	49	45	852	44	673
POLSTEAD	—	57	32	38	3,065	54	664
REWARD	—	—	—	29	1,115	43	659
DS-ADMIRAL	23	41	29	44	534	27	540
WEIGHTED AVERAGE YIELI	D AND T	OTAL AC	REAGE	ş		48.5	70,741

RISK AREA 1

CANOLA YIELDS BY	/ARIETY	2005-	2009†			RISK AREA 1		
	2005	2006	2007	2008	2008	2009	2009‡	
			Yield					
5440 (LT)	—	—	—	35	4,659	41	19,953	
8440 (LT)	—	—	—	33	7,551	38	7,679	
VICTORY V1037 (RT)	—	_	—	—	_	38	7,443	
71-45RR (RT)	—	27	27	30	13,273	34	6,140	
5030 (LT)	19	27	27	33	9,096	40	4,435	
9590 (LT)	—	—	30	37	6,585	39	3,913	
5020 (LT)	20	28	25	35	7,940	40	3,745	
4414 (RT)	—	—	22	33	770	36	3,543	
1144	—	—	—	—	—	39	3,370	
45H28 (RT)	—	—	—	—	—	38	2,296	
VICTORY V1035 (RT)	—	_	—	31	6,729	35	2,254	
NEX 845CL (ST)	—	—	—	33	4,281	35	1,942	
NX4 101 RR	—	_	_	_	_	41	1,907	
72-55RR (RT)	—	—	—	—	_	35	1,897	



"Please call to inquire about other varieties not listed" Tammy in MORDEN (204) 822-6629 • Alvin in PLUM COULEE (204) 829-2326



Yields only for those varieties grown on more than 500 acres and by more than 2 growers; t Weighted Average Yield and Total Acreage include acres not reported in the table.
 Insufficient yield data available at time of publication

CANOLA YIELDS BY VARIETY 2005–2009† RISK AREA 1								
	2005	2006	2007	2008	2008	2009	2009‡	
Variety								
1768S (RT)	_	—	—	25	910	39	1,602	
45H26 (RT)	_	—	—	29	2,064	38	1,032	
4362 (RT)	_	_	—	_	_	31	1,011	
46P50 (RT)	_	—	—	37	770	37	980	
1841 (RT)	_	—	_	_	_	36	868	
46A76 (ST)	17	19	22	27	730	33	830	
9553 (RT)	_	_	—	_	_	33	786	
D3150 (RT)	—	—	—	_	_	36	727	
1818 (RT)	_	24	24	31	1,213	37	658	
EXCEED (LT)	_	—	—	_	_	19	526	
WEIGHTED AVERAGE YIE	LD AND T	OTAL A	CREAGE	ş		37.8	87,439	

WHEAT YIELDS BY VARIETY 2005–2009† RISK AREA 1								
	2005	2006	2007	2008	2008	2009	2009‡	
Variety	Yield	Yield	Yield	Yield	Acres	Yield	Acres	
MCKENZIE (RS)	29	34	35	39	19,764	46	22,862	
KANE (RS)	_	—	—	—	—	46	18,691	
CDC FALCON (W)	33	48	53	56	6,346	46	10,381	
AC CADILLAC (RS)	26	35	35	36	10,353	40	9,771	
5602HR (RS)	—	—	45	41	11,936	49	8,481	
CDC BUTEO (W)	—	46	51	47	9,264	49	8,340	
MCCLINTOCK (W)	—	48	52	51	6,335	50	5,069	
CDC GO (RS)	—	—	—	36	719	55	4,650	
AC BARRIE (RS)	21	33	31	39	17,225	41	4,251	
CDC BOUNTY (RS)	26	33	23	30	2,543	33	2,721	
LOVITT (RS)	—	34	32	35	2,821	50	2,403	
HARVEST (RS)	—	_	—	—	—	54	2,325	
SUPERB (RS)	21	32	34	45	1,903	54	2,128	
CDC IMAGINE (RS)	—	36	31	42	3,068	45	1,251	
INFINITY (RS)	—	—	—	29	2,347	34	1,228	
AC DOMAIN (RS)	—	_	—	—	—	29	1,190	
CDC ABOUND (RS)	—	—	—	—	—	51	1,067	
GLENN (RS)	—	—	—	_	—	52	1,033	
SNOWSTAR (HWS)	—	—	—	—	—	47	1,005	
AC CORA (RS)	26	30	30	36	1,694	47	997	
5701PR (PS)	—	—	—	32	1,509	52	783	
SNOWBIRD (HWS)	25	30	22	29	1,309	45	702	
WEIGHTED AVERAGE YIEL	D AND T	OTAL AC	REAGE	\$		45.9	113,982	

BARLEY* YIELDS BY VARIETY 2005–2009† RISK AREA							
	2005	2006	2007	2008	2008	2009	2009‡
Variety							Acres
CDC COPELAND	28	53	53	62	4,777	73	7,228
TRADITION	—	—	68	66	5,089	65	7,213
CONLON	33	45	47	49	6,995	57	4,200
AC METCALFE	27	45	45	52	3,327	67	3,462
CDC TREY	_	_	60	53	1,096	66	1,547
NEWDALE	31	63	51	48	2,305	70	1,158
LACEY	37	53	49	46	1,340	60	973
CDC BATTLEFORD	—	—	—	56	1,180	70	956
CDC YORKTON	_	55	61	55	1,712	63	937
CDC COWBOY	_	_	—	_	—	63	791
ROBUST	29	45	48	_	_	41	664
WEIGHTED AVERAGE YIEL	D AND T	OTAL AG	CREAGE	ş		64.7	32,805

SOYBEAN YIELDS BY Variety 90A06 (RT) WEIGHTED AVERAGE YIEL	2005 Yield	2006 Yield	2007 Yield	2008 Yield	2008 Acres	RISK 2009 Yield 15 18.0	AREA 1 2009‡ Acres 659 1.948
				5			.,
OAT YIELDS BY VARIE	TY 200	5–2009	†	~		RISK	AREA 1
				2008	2008		,
	TY 200	5–2009	†	~	2008 Acres	RISK	AREA 1

PINNACLE	67	65	77	71	28,877	88	11,244
LEGGETT	—	—	86	69	11,426	84	5,531
FURLONG	49	62	76	70	3,444	80	1,418
HIFI	—	—	—	—	—	102	1,344
AC PREAKNESS	34	_	52	52	1,713	75	648
WEIGHTED AVERAGE YIEL	D AND TO)TAL A	CREAGE§			84.1	22,779

FLAX YIELDS BY VARIETY 2005–2009† RISK AREA 1								
	2005	2006	2007	2008	2008	2009	2009‡	
Variety							Acres	
CDC BETHUNE	15	15	21	21	13,351	26	9,709	
TAURUS	14	17	20	20	3,861	25	3,713	
PRAIRIE THUNDER	_	_	_	_	_	26	1,812	
CDC SORREL	—	_	—	_	—	23	1,305	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES 24.7 18,968								

‡ On system as of January 11, 2010; Assuming 48 lbs./bu.

Management

SUNFLOWER YIELDS B	SUNFLOWER YIELDS BY VARIETY 2005–2009† RISK AREA 1									
	2005	2006	2007	2008	2008	2009	2009‡			
Variety							Acres			
SEEDS2000 JAGUAR (C)(ST) —	—	—	1,424	958	1,693	4,445			
SEEDS2000 6946 (C)	858	1,246	1,468	1,290	3,156	1,698	3,430			
DAHLGREN D-9532 (C)	_	622	1,519	1,098	4,490	1,184	2,260			
SEEDS2000 VIPER (0)(ST)	—	—	—	—	—	1,049	1,340			
PIONEER 63A21 (0)	—	765	_	1,144	1,310	1,788	1,124			
WEIGHTED AVERAGE YIELD	AND T	OTAL A	CREAGE	§		1496.0	15,652			
FIELD PEA YIELDS BY VARIETY 2005–2009† RISK AREA 1										
	2005	2006	2007	2008	2008	2009	2009‡			
Variety	Yield	Yield	Yield	Yield	Acres	Yield	Acres			

Variety							
CDC GOLDEN	—	30	45	37	6,267	45	2,022
THUNDERBIRD	_	_	_	_	_	41	752
CDC STRIKER	_	_	45	_	_	32	640
WEIGHTED AVERAGE YIELI	D AND T	otal a	CREAGE	ş		45.4	5,597

			_				
CANOLA YIELDS BY V							AREA 2
	2005	2006	2007	2008	2008	2009	2009‡
Variety	Yield	Yield	Yield	Yield	Acres	Yield	Acres
5440 (LT)	-	-	-	47	25,443	48	92,464
5030 (LT)	32	36	33	44	36,161	48	35,583
8440 (LT)	—	-	—	43	23,365	46	32,180
9590 (LT)	—	—	31	43	18,011	46	15,099
71-45RR (RT)	—	33	30	40	22,482	41	12,219
5020 (LT)	28	37	30	41	35,459	43	9,694
NX4 101 RR		—	_	—	_	43	9,561
72-55RR (RT)	—	—	—	—	_	44	8,588
1144	—	—	—	—		47	6,373
45H28 (RT)	—	—	—	39	557	44	6,353
NEX 845CL (ST)		—	31	39	18,168	43	6,075
9553 (RT)	_	—	—	—	—	41	5,601
45H26 (RT)	_	—	25	39	9,217	45	4,876
1818 (RT)	—	40	29	33	6,756	40	4,640
1841 (RT)	31	37	32	40	6,916	39	4,096
PIONEER 45S51 (RT)	_	_	—	_	_	39	4,020
D3151 (RT)	_	—	—	_	_	46	3,422
D3150 (RT)	—	—	—	—	—	42	2,947
VICTORY V2030 (RT)	_	—	_	—	_	37	2,826
VICTORY V1037 (RT)	_	—	—	_	—	40	2,549
46P50 (RT)	_	_	29	41	6,812	45	2,083
45H21 (RT)	27	30	30	38	2,396	38	1,589
SW 3950 (RT)	_	32	28	40	1,264	39	1,377
NX4 105 RR	—	—	—	_	—	45	1,215
4414 (RT)	_	-	_	33	1,675	36	1,097
5070 (LT)	34	37	32	43	50,919	52	957
VICTORY V1035 (RT)	_	_	_	38	3,508	33	913
45H73 (ST)		—	_	_	—	41	789
9550 (RT)	20	27	23	_	_	41	576
NX4 104 RR		—		_	_	39	554
WEIGHTED AVERAGE YIEL	D AND T	OTAL A	REAGE	§		45.3	287,191

WHEAT YIELDS BY VARIETY 2005–2009† RISK AREA 2									
	2005	2006	2007	2008	2008	2009	2009‡		
Variety	Yield	Yield	Yield	Yield	Acres	Yield	Acres		
HARVEST (RS)	39	42	45	55	38,477	61	59,821		
AC BARRIE (RS)	33	37	36	51	66,189	59	46,005		
MCKENZIE (RS)	35	39	40	42	42,266	54	35,978		
KANE (RS)	—	—	—	53	3,333	57	33,877		
CDC FALCON (W)	35	57	65	68	32,208	71	26,175		
5602HR (RS)	—	41	40	47	26,049	54	17,253		
CDC GO (RS)	—	—	43	52	10,465	60	15,182		
SUPERB (RS)	36	39	40	48	16,698	60	10,510		
SNOWSTAR (HWS)	—	—	—	57	683	59	8,958		
CDC BUTEO (W)	—	55	60	60	9,609	56	8,413		
INFINITY (RS)	—	—	39	46	8,140	55	6,181		
GLENN (RS)	—	—	—	_	_	63	4,637		
CDC IMAGINE (RS)	22	38	31	39	3,684	57	4,281		
AC DOMAIN (RS)	36	39	39	47	12,240	56	3,958		
CDC BOUNTY (RS)	34	35	35	35	3,191	49	3,512		
MCCLINTOCK (W)	32	53	57	63	1,417	65	3,058		
AC CORA (RS)	29	33	34	40	4,011	48	2,838		
SNOWBIRD (HWS)	36	39	34	43	4,457	41	2,490		
AC WASKADA (RS)	_	_	—	—	_	57	2,465		
AC CADILLAC (RS)	30	37		37	3,628	46	2,068		
LOVITT (RS)	—	38	35	44	3,436	55	1,259		
AC ANDREW (F)		—	40	68	2,350	74	790		
CDC RAPTOR (W)	35	54	52	55	1,634	62	569		
WEIGHTED AVERAGE YIEL	D AND T	otal ag	CREAGE	§		58.8	305,070		

Yields only for those varieties grown on more than 500 acres and by more than 2 growers;

 Weighted Average Yield and Total Acreage include a ¶ Insufficient yield data available at time of publication
 Weighted Average Yield and Total Acreage include acres not reported in the table.

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BARLEY* YIELDS BY VARIETY 2005–2009† RISK AREA 2									
	2005	2006	2007	2008	2008	2009	2009‡		
Variety	Yield	Yield	Yield	Yield	Acres	Yield	Acres		
TRADITION	55	64	69	67	20,269	83	18,118		
NEWDALE	54	71	69	79	15,297	90	10,756		
CONLON	48	71	66	70	12,681	80	5,701		
LEGACY	44	58	68	74	8,785	92	3,847		
CDC COPELAND	44	65	56	74	2,817	88	3,581		
LACEY	40	57	63	75	2,105	80	2,972		
AC METCALFE	41	50	50	58	3,029	71	2,934		
CDC COWBOY	_	—	—	30	658	74	1,568		
AC RANGER	48	69	74	69	2,254	86	1,473		
ROBUST	47	57	51	54	1,649	71	919		
CDC HELGASON	64	75	64	84	904	76	550		
CDC YORKTON	—	68	83	84	997	76	540		
WEIGHTED AVERAGE YIELD) AND T	OTAL AG	CREAGE	§.		83.6	54,612		

SOYBEAN YIELDS BY VARIETY 2005–2009† RISK AREA 2									
	2005	2006	2007	2008	2008	2009	2009‡		
Variety	Yield	Yield	Yield	Yield	Acres	Yield	Acres		
NSC WARREN RR (RT)	—	—	—	—	—	29	1,607		
90A06 (RT)	—	—	—	—	—	28	1,201		
LS 0036RR (RT)	_	_	_	_	—	34	701		
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§ 30.1									

OAT YIELDS BY VARIE	RISK	AREA 2					
	2005	2006	2007	2008	2008	2009	2009‡
Variety	Yield	Yield	Yield	Yield	Acres	Yield	Acres
PINNACLE	71	82	103	98	39,659	129	11,742
LEGGETT	_	—	106	96	9,302	101	4,446
FURLONG	51	78	100	118	6,171	131	3,352
HIFI	_	107	96	101	1,890	96	3,106
RONALD	41	67	94	91	3,122	111	1,385
JORDAN	_	_	—	98	1,121	91	1,139
SOURIS	_	_	—	_	_	135	710
WEIGHTED AVERAGE YIEL	D AND T	OTAL AG	REAGE	ş		116.4	26,937

FLAX YIELDS BY VAR	RISK	AREA 2					
	2005	2006	2007	2008	2008	2009	2009‡
Variety	Yield	Yield	Yield	Yield	Acres	Yield	Acres
CDC BETHUNE	20	23	24	26	21,942	31	20,219
CDC SORREL	—	—	—	24	2,489	27	5,664
HANLEY	16	21	25	23	8,017	27	4,226
AC EMERSON	21	19	24	20	2,499	29	1,470
NORLIN	_	—	_	_	—	15	847
PRAIRIE THUNDER	—	—	—	—	—	37	658
WEIGHTED AVERAGE YIE	LD AND T	OTAL A	CREAGE	ş		29.1	34,835

SUNFLOWER YIELDS BY VARIETY 2005–2009† RISK A										
	2005	2006	2007	2008	2008	2009	2009‡			
Variety	Yield	Yield	Yield	Yield	Acres	Yield	Acres			
SEEDS2000 6946 (C)	1,232	1,664	1,437	1,629	13,386	1,856	7,863			
SEEDS2000 JAGUAR (C)(S	T) —	—	—	1,744	2,610	1,570	1,390			
SEEDS2000 COUGAR (C)	959	1,775	_	_	_	1,543	1,380			
WEIGHTED AVERAGE YIEL	D AND T	OTAL A	CREAGE	§		1764.4	13,573			

FIELD PEA YIELDS BY	FIELD PEA YIELDS BY VARIETY 2005-2009†								
	2005	2006	2007	2008	2008	2009	2009‡		
Variety	Yield	Yield	Yield	Yield	Acres	Yield	Acres		
CDC GOLDEN	—	52	48	41	16,700	49	6,276		
CDC STRIKER	29	53	54	39	4,406	61	4,470		
CROMA	27	51	52	46	1,864	67	1,871		
CDC MEADOW	_	_	—	_	_	56	1,793		
ALFETTA	17	50	48	48	2,346	69	1,260		
WEIGHTED AVERAGE YIEL	D AND T	OTAL AG	REAGE	ş		56.8	18,477		

CANOLA YIELDS BY VARIETY 2005–2009† RISK AREA 3										
	2005	2006	2007	2008	2008	2009	2009‡			
Variety	Yield	Yield	Yield	Yield	Acres	Yield	Acres			
5440 (LT)	—	—	—	42	4,375	44	29,080			
5030 (LT)	26	32	27	42	10,021	42	8,426			
9590 (LT)	_	—	26	43	12,399	44	8,012			
71-45RR (RT)	_	30	27	37	9,554	42	8,010			
5020 (LT)	22	34	26	39	15,683	42	5,790			
45H28 (RT)	—	—	—	—	—	42	4,028			
8440 (LT)	_	—	_	35	4,028	49	3,319			
9553 (RT)	—	—	—	—	—	37	3,256			
NEX 845CL (ST)	_	—	31	35	8,115	40	3,106			
4414 (RT)	—	—	—	42	1,016	37	3,057			
VICTORY V1037 (RT)	_	—	—	_	_	41	2,915			

Yields only for those varieties grown on more than 500 acres and by more than 2 growers;
 Weighted Average Yield and Total Acreage include acres not reported in the table.
 Insufficient yield data available at time of publication

CANOLA YIELDS BY VA	CANOLA YIELDS BY VARIETY 2005–2009† RISK AREA 3									
	2005	2006	2007	2008	2008	2009	2009‡			
Variety							Acres			
1141 (LT)	—	—	—	37	947	40	2,553			
34-65 (RT)	_	28	22	34	3,085	38	2,493			
72-55RR (RT)	—	—	—	—	—	43	2,383			
D3150 (RT)	_	_	_	_	_	42	2,366			
45H26 (RT)	—	—	—	37	3,127	44	2,209			
46P50 (RT)	_	_	30	42	1,930	45	2,097			
NX4 105 RR	—	—	—	—	—	43	1,864			
NX4 101 RR	_		—	_	_	36	1,674			
1841 (RT)	—	—	28	31	2,356	44	997			
SP FAVORABLE RR (RT)	_	_	_	_	_	41	813			
EXCEED (LT)	—	—	—	—	—	21	711			
1818 (RT)	_	_	27	37	914	35	681			
RUGBY (RT)	—	—	—	30	1,380	38	617			
1852H (RT)	_	_	_	_	_	28	526			
WEIGHTED AVERAGE YIELI	D AND T	OTAL AG	REAGE	ş		41.8	107,581			

WHEAT YIELDS BY VARIETY 2005–2009† RISK AREA 3										
	2005	2006	2007	2008	2008	2009	2009‡			
Variety	Yield	Yield	Yield	Yield	Acres	Yield	Acres			
AC BARRIE (RS)	30	36	29	42	21,780	47	16,549			
KANE (RS)	—	—	—	52	819	51	12,480			
5602HR (RS)	—	45	38	44	11,755	47	10,642			
MCKENZIE (RS)	27	42	34	44	8,171	52	9,664			
HARVEST (RS)	_	_	_	54	2,832	44	7,872			
AC DOMAIN (RS)	30	34	33	41	5,583	38	7,058			
AC INTREPID (RS)	34	41	35	51	9,215	48	5,944			
CDC FALCON (W)	34	49	54	58	4,590	50	5,229			
CDC BUTEO (W)	—	40	55	64	5,880	50	4,798			
CDC GO (RS)	—	—	—	55	695	56	4,598			
SUPERB (RS)	27	38	28	44	5,988	42	4,196			
INFINITY (RS)	—	—	42	50	4,918	46	3,961			
AC CADILLAC (RS)	26	33	30	42	4,332	40	3,645			
CDC BOUNTY (RS)	24	32	27	41	3,576	38	3,110			
CDC TEAL (RS)	37	36	34	40	1,709	41	2,508			
LOVITT (RS)	—	—	33	36	2,257	45	2,366			
MCCLINTOCK (W)	31	54	55	59	4,963	42	1,943			
AC VISTA (PS)	—	—	—	53	1,194	21	1,784			
5700PR (PS)	35	46	46	59	3,608	48	1,691			
AC ELSA (RS)	45	40	46	40	1,040	49	1,197			
CDC IMAGINE (RS)	23	39	29	37	2,511	39	994			
GLENN (RS)	—	—	—	—	—	55	979			
WEIGHTED AVERAGE YIEL	D AND T	OTAL AC	REAGE	§		46.5	117,942			

BARLEY* YIELDS BY V	ARIET	/ 2005-	-2009†			RISK	AREA 3
	2005	2006	2007	2008	2008	2009	2009‡
Variety	Yield	Yield	Yield	Yield	Acres	Yield	Acres
AC METCALFE	37	57	44	65	12,727	66	10,049
CONLON	35	56	47	61	6,834	64	5,588
CDC COPELAND	51	65	55	66	4,809	68	4,852
TRADITION	—	—	—	76	763	74	4,158
CDC TREY	_	_	55	60	3,724	63	3,827
NEWDALE	37	47	49	69	2,260	64	3,180
AC RANGER	51	66	60	73	3,762	53	2,469
SUNDRE	—	—	—	61	630	73	1,878
LEGACY	_	69	65	89	5,703	67	1,732
LACEY	41	58	48	60	1,420	69	1,251
CDC STRATUS	45	51	35	46	1,510	26	682
CDC COWBOY	—	—	—	—	—	60	569
WEIGHTED AVERAGE YIELI) AND T	OTAL AG	CREAGE	§		64.9	40,897

SOYBEAN YIELDS BY VARIETY 2005–2009† RISK AREA 3										
	2005	2006	2007	2008	2008	2009	2009‡			
Variety	Yield	Yield	Yield	Yield	Acres	Yield	Acres			
LS 0036RR (RT)	_	_	—	_	_	22	2,592			
WEIGHTED AVERAGE YIEI	D AND T	OTAL AC	REAGE	ş		23.1	3,357			

OAT YIELDS BY VARIE	FY 200	5–2009	†			RISK AREA 3		
	2005	2006	2007	2008	2008	2009	2009‡	
Variety	Yield	Yield	Yield	Yield	Acres	Yield	Acres	
LEGGETT	_	_	97	97	3,044	84	3,509	
PINNACLE	73	70	73	79	6,561	64	3,091	
TRIPLE CROWN	56	59	67	69	2,053	71	1,345	
HIFI	—	—	—	—	—	110	964	
RONALD	50	65	54	63	1,852	47	884	
CDC DANCER	—	—	85	89	589	52	701	
SOURIS	_	_	_	_	—	95	684	
FURLONG	62	49	68	85	3,105	47	677	
JORDAN	_	_	_	_	_	91	646	
WEIGHTED AVERAGE YIEL	D AND T	OTAL AG	CREAGE	§		70.0	14,706	

On system as of January 11, 2010;
Accumics 40 lbs." Assuming 48 lbs./bu.

Management

FLAX YIELDS BY VARIETY 2005–2009† RISK AI									
	2005	2006	2007	2008	2008	2009	2009‡		
Variety	Yield	Yield	Yield	Yield	Acres	Yield	Acres		
CDC BETHUNE	19	21	19	25	10,213	28	8,051		
CDC SORREL	—	—	—	23	1,592	22	3,737		
TAURUS	21	19	15	26	1,509	32	1,196		
PRAIRIE THUNDER	_	_	—	—	_	32	615		
WEIGHTED AVERAGE YIELD	AND T	OTAL AG	CREAGE	ş		26.9	13,900		

SUNFLOWER YIELDS BY VARIETY 2005–2009† RISK AREA 3									
	2005	2006	2007	2008	2008	2009	2009‡		
Variety	Yield	Yield	Yield	Yield	Acres	Yield	Acres		
SEEDS2000 JAGUAR (C)(ST) 2,191 1,80 WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES 2081.2 2.55									

FIELD PEA YIELDS BY VARIETY 2005–2009† RISK AREA 3									
	2005	2006	2007	2008	2008	2009	2009‡		
Variety	Yield	Yield	Yield	Yield	Acres	Yield	Acres		
CDC GOLDEN	_	_	39	43	3,131	43	1,737		
CDC MEADOW	_	_	_	_	—	49	1,499		
THUNDERBIRD	_	_		_	_	52	740		
WEIGHTED AVERAGE YIELI) AND T	OTAL AG	CREAGE	ş		42.2	6,904		

CANOLA YIELDS BY VARIETY 2005–2009† RISK AREA 4										
	2005	2006	2007	2008	2008	2009	2009‡			
Variety	Yield	Yield	Yield	Yield	Acres	Yield	Acres			
5440 (LT)	_	—	—	45	12,788	48	50,916			
8440 (LT)		_	—	41	11,249	48	12,841			
5030 (LT)	38	38	32	42	20,201	47	12,021			
9590 (LT)	_	—	33	43	8,023	47	11,333			

Yields only for those varieties grown on more than 500 acres and by more than 2 growers; t

 § Weighted Average Yield and Total Acreage include and ¶ Insufficient yield data available at time of publication
 Weighted Average Yield and Total Acreage include acres not reported in the table.

CANOLA YIELDS BY VARIETY 2005–2009† RISK AREA 4									
	2005	2006	2007	2008	2008	2009	2009‡		
Variety	Yield	Yield	Yield	Yield	Acres	Yield	Acres		
71-45RR (RT)	_	35	30	38	15,517	39	9,491		
9553 (RT)	_	_	—	_	_	44	8,040		
5020 (LT)	34	36	28	41	17,204	47	5,832		
45H28 (RT)	—	—	—	—	—	44	5,547		
1144	_	—	—	_	_	46	4,972		
NEX 845CL (ST)	—	—	29	35	12,235	39	4,697		
VICTORY V2030 (RT)	_	—	—	_	_	40	3,713		
72-55RR (RT)	_	—	—	_	—	42	3,025		
1818 (RT)	_	—	—	35	1,002	39	2,420		
1141 (LT)	—	—	—	33	2,900	42	2,354		
NX4 105 RR	_	_	_	_	_	50	2,149		
45H21 (RT)	33	34	28	39	3,842	44	2,050		
VICTORY V1037 (RT)	_	_	—	_	_	39	2,018		
46P50 (RT)	—	—	32	40	2,777	46	1,976		
VICTORY V2018 (RT)	_	—	—		—	39	1,480		
34-65 (RT)	_	32	26	31	2,018	38	1,478		
1841 (RT)	_	33	28	38	1,440	43	1,472		
45H26 (RT)	_	—	—	40	6,062	47	1,367		
45H73 (ST)	_	—	—	42	1,633	44	985		
D3150 (RT)	_	_	_	_	_	41	982		
SP FAVORABLE RR (RT)	_	_	_	31	2,539	39	972		
SP FAVOURABLE RR (RT)	_	_	—	—	_	23	888		
45H24 (RT)	_	40	29	40	1,118	37	866		
DEKALB 72-65 (RT)	—	—	—	—	—	49	810		
D3151 (RT)	_	_	_	_	_	44	802		
4414 (RT)	_	_	26	35	812	35	702		
SW WIZZARD	_	_	29	_	_	42	631		
EXCEED (LT)	—	—	—	—	_	29	530		
43H57	_	_	_	_	_	32	527		
1768S (RT)	_	—	—	—	—	31	522		
WEIGHTED AVERAGE YIELI	D AND T	OTAL AG	REAGE	§		44.9	166,689		

‡ On system as of January 11, 2010; Assuming 48 lbs./bu.

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WHEAT YIELDS BY VARIETY 2005–2009† RISK AREA 4											
	2005	2006	2007	2008	2008	2009	2009‡				
Variety	Yield	Yield	Yield	Yield	Acres	Yield	Acres				
AC BARRIE (RS)	36	40	34	48	48,893	49	46,139				
HARVEST (RS)	—	46	43	51	7,722	55	24,000				
KANE (RS)	_	—	_	_	_	52	23,586				
5602HR (RS)	—	46	41	46	28,896	48	19,305				
AC DOMAIN (RS)	38	43	38	48	18,011	52	15,059				
CDC FALCON (W)	34	56	60	65	14,675	68	12,562				
MCKENZIE (RS)	35	40	40	47	11,077	52	10,137				
SUPERB (RS)	37	44	41	51	26,396	53	9,507				
CDC GO (RS)		—	_	54	6,746	57	7,890				
SNOWSTAR (HWS)		—	—	—	_	58	5,637				
CDC BUTEO (W)		49	48	57	6,775	52	3,957				
GLENN (RS)	—	_	—	_	—	56	2,553				
AC ANDREW (F)		—	_	55	2,485	63	2,155				
MCCLINTOCK (W)	—	60	57	63	3,249	63	2,044				
AC CADILLAC (RS)	34	41	36	40	1,978	49	1,325				
AC CORA (RS)	33	38	31	40	2,861	37	936				
CDC ALSASK (RS)	—	—	—	55	1,824	50	895				
AC UNITY (RS)	—	—	—	—	—	60	682				
SNOWBIRD (HWS)	40	43	40	48	2,826	52	570				
AC INTREPID (RS)	—	—	—	—	—	57	548				
5601HR (RS)	32	35	27	41	768	45	532				
WEIGHTED AVERAGE YIEL	D AND T	OTAL AG	CREAGE	§		52.6	200,237				

BARLEY* YIELDS BY	BARLEY* YIELDS BY VARIETY 2005–2009†								
	2005	2006	2007	2008	2008	2009	2009‡		
Variety	Yield	Yield	Yield	Yield	Acres	Yield	Acres		
CONLON	53	72	66	75	20,816	73	20,123		
AC METCALFE	42	58	56	63	7,953	77	9,731		
NEWDALE	38	68	64	70	10,999	80	8,167		
LACEY	47	64	57	71	8,803	72	6,938		
LEGACY	54	74	67	74	9,110	74	5,419		
TRADITION	—	65	61	65	2,181	73	1,664		
CDC STRATUS	39	60	42	73	1,247	71	1,398		
CDC TREY		_	69	53	1 2 9 1	58	1 145		



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BARLEY* YIELDS BY VARIETY 2005–2009† RISK AREA 4									
	2005	2006	2007	2008	2008	2009	2009‡		
Variety							Acres		
CDC COWBOY	_	—	—	_	_	53	861		
AC RANGER	39	70	53	64	2,354	56	808		
CDC COPELAND	68	_	_	_	_	64	645		
WEIGHTED AVERAGE YIELD	AND T	OTAL AG	CREAGE	§		72.6	59,133		

SOYBEAN YIELDS BY VARIETY 2005–2009† RISK AREA 4									
	2005	2006	2007	2008	2008	2009	2009‡		
Variety	Yield	Yield	Yield	Yield	Acres	Yield	Acres		
LS 0036RR (RT)	_	—	—	_	_	31	2,309		
WEIGHTED AVERAGE YIELD	AND T	otal ac	REAGE	§ .		30.4	3,041		

OAT YIELDS BY VARIETY 2005–2009† RISK									
	2005	2006	2007	2008	2008	2009	2009‡		
Variety	Yield	Yield	Yield	Yield	Acres	Yield	Acres		
FURLONG	71	78	79	97	9,247	75	4,063		
PINNACLE	74	76	83	90	5,663	66	3,175		
LEGGETT	_	_	87	87	3,911	88	2,897		
SOURIS	—	—	—	—	—	105	1,376		
HIFI	_	75	_	_	_	94	996		
AC ASSINIBOIA	61	67	64	74	3,057	98	956		
CDC DANCER	_	—	82	83	785	93	780		
TRIPLE CROWN	53	67	64	53	1,090	96	659		
RONALD Weighted Average Yiel	53 D AND T	73 Otal A	71 Creage	86 §	2,032	50 79.8	506 16,913		

FLAX YIELDS BY VARIETY 2005–2009† RISK AREA 4										
	2005 2006 2007 2008 2008									
Variety	Yield	Yield	Yield	Yield	Acres	Yield	Acres			
CDC BETHUNE	21	25	22	25	16,945	29	21,055			
LIGHTNING	—	—	19	24	2,261	29	3,875			
CDC SORREL	_	_	_	26	1,230	27	1,497			
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES 29.1										

CORN YIELDS BY VARIETY 2005–2009† RISK AREA 4										
	2005 2006 2007 2008 2008									
Variety	Yield	Yield	Yield	Yield	Acres	Yield	Acres			
DEKALB DKC26-79 (RT)	_	_	—	84	2,534	n/a	n/a			
PIONEER 39D95 (RT)	_	—	—	130	950	n/a	n/a			
DEKALB DKC26-78 (RT)	_	_	_	105	868	n/a	n/a			
WEIGHTED AVERAGE YIEL	n/a¶	n/a¶								

SUNFLOWER YIELDS BY VARIETY 2005–2009† RISK AREA 4										
	2005	2006	2007	2008	2008	2009	2009‡			
Variety	Yield	Yield	Yield	Yield	Acres	Yield	Acres			
SEEDS2000 6946 (C)	1,087	1,676	1,607	1,475	4,314	1,925	3,211			
SEEDS2000 JAGUAR (C)(S	T) —	—	—	1,327	1,725	1,704	2,771			
DAHLGREN D-9532 (C)	_	_	1,484	_	_	1,590	1,468			
PIONEER 63M40 (0)	_	_	_	1,925	722	1,784	1,341			
WEIGHTED AVERAGE YIEL	WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§ 1									

FIELD PEA YIELDS BY VARIETY 2005–2009† RISK AREA 4										
	2005 2006 2007 2008 2008									
Variety	Yield	Yield	Yield	Yield	Acres	Yield	Acres			
CDC GOLDEN	_	55	41	33	3,943	47	2,051			
CDC MEADOW	—	—	—	—	—	48	1,474			
ECLIPSE	21	47	46	34	923	52	547			
WEIGHTED AVERAGE YIELD	AND T	otal ac	REAGE	ş		45.2	7,260			

RISK AREA 5

CANOLA YIELDS BY VARIETY 2005–2009† RISK AREA 5									
	2005	2006	2007	2008	2008	2009	2009‡		
	Yield	Yield	Yield	Yield	Acres	Yield	Acres		
5440 (LT)	—	—	—	49	17,807	50	67,389		
8440 (LT)	—	—	—	53	19,531	52	46,582		
5020 (LT)	32	40	33	48	56,080	48	30,862		
5030 (LT)	34	41	34	50	30,351	49	28,837		
71-45RR (RT)	—	34	33	41	42,388	45	24,778		
45H26 (RT)	—	_	32	45	25,207	48	20,031		
72-55RR (RT)	_	_	—	45	684	45	13,627		
9590 (LT)	—	—	32	45	12,205	47	11,122		
9553 (RT)	_	_	—	_	_	41	11,041		
45H28 (RT)	_	—	—	53	520	46	7,183		
NX4 101 RR	—	—	—	—	_	46	6,787		

On system as of January 11, 2010;
* Assuming 48 lbs./bu.

Management

Yields only for those varieties grown on more than 500 acres and by more than 2 growers;
 § Weighted Average Yield and Total Acreage include acres not reported in the table.

Insufficient yield data available at time of publication

CANOLA YIELDS BY VARIETY 2005–2009† RISK AREA 5										
		2006	2007	2008	2008	2009	2009‡			
Variety	Yield	Yield	Yield	Yield	Acres	Yield	Acres			
NEX 845CL (ST)	_	_	32	42	14,384	40	5,783			
VICTORY V2030 (RT)	—	—	—	—	—	41	5,721			
34-65 (RT)	25	38	29	40	12,737	42	5,170			
46P50 (RT)	_	—	31	45	9,326	44	5,063			
1144	_	_	_	—	_	44	4,343			
PIONEER 45S51 (RT)	_	—	—	—	_	48	4,107			
NX4 105 RR	—	—	—	—	_	44	3,285			
D3151 (RT)	—	—	—	—	_	42	2,818			
1841 (RT)	31	40	32	44	7,560	46	2,493			
NX4 202 CL (ST)	_	—	—	_	—	42	2,054			
D3150 (RT)	—	—	—	—	—	44	2,034			
DEKALB 72-65 (RT)	—	—	—	—	_	47	1,871			
VICTORY V1037 (RT)	—	—	—	—	_	44	1,482			
5070 (LT)	34	42	33	49	23,520	45	1,304			
45H21 (RT)	29	36	33	41	4,462	42	1,243			
43H57	_	—	_	_	—	37	1,187			
NX4 104 RR	—	—	—	—	—	39	1,061			
1818 (RT)	32	34	28	44	683	46	984			
VICTORY V1035 (RT)	—	—	—	42	4,858	39	917			
PROVEN 9551 (RT)	_	—	31	39	2,025	40	639			
VICTORY V2018 (RT)	—	—	—	43	6,085	47	540			
1768S (RT)	_	_	_	_	_	47	522			
45H73 (ST)	—	—	32	47	882	47	518			
WEIGHTED AVERAGE YIEL	D AND T	OTAL A	CREAGE	ş		47.4	330,214			

WHEAT YIELDS BY VARIETY 2005–2009† RISK AREA 5										
	2005	2006	2007	2008	2008	2009	2009‡			
Variety	Yield	Yield	Yield	Yield	Acres	Yield	Acres			
KANE (RS)	—	_	—	66	4,519	61	65,098			
AC DOMAIN (RS)	34	45	41	55	79,414	59	61,684			
HARVEST (RS)	—	49	53	60	27,001	66	59,506			
CDC FALCON (W)	43	68	64	75	42,697	72	32,322			
AC BARRIE (RS)	36	40	38	55	36,074	58	21,037			
5602HR (RS)	—	49	45	53	31,106	57	14,715			
MCKENZIE (RS)	35	40	43	48	10,784	49	8,600			
SUPERB (RS)	39	47	46	60	11,679	53	6,973			
CDC GO (RS)	—	_	61	67	10,468	72	6,707			
GLENN (RS)	—	—	—	—	_	64	6,009			
INFINITY (RS)	—	_	48	58	3,942	56	5,608			
SNOWSTAR (HWS)	—	—	—	—	_	60	5,114			
CDC BUTEO (W)	_	60	57	72	5,583	67	3,898			
5601HR (RS)	41	41	37	44	6,705	49	3,736			
CDC ABOUND (RS)	—	_	—	—	_	61	2,713			
CDC IMAGINE (RS)	32	45	39	57	3,169	50	2,242			
AC CADILLAC (RS)	36	32	39	46	3,038	50	2,028			
AC CORA (RS)	34	36	41	48	3,156	56	1,700			
SNOWBIRD (HWS)	41	43	41	50	7,426	57	1,361			
LOVITT (RS)	40	44	41	49	2,973	53	1,342			
CDC BOUNTY (RS)	38	40	42	52	3,545	65	903			
AC INTREPID (RS)	38	49	—	—	_	47	875			
MCCLINTOCK (W)	_	60	58	71	2,400	70	750			
FJELD (F)	_	—	—	—	_	62	520			
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§ 61.										

BARLEY* YIELDS BY V	RISK	AREA 5							
	2005	2006	2007	2008	2008	2009	2009‡		
Variety	Yield	Yield	Yield	Yield	Acres	Yield	Acres		
CONLON	50	74	64	82	38,028	85	27,006		
NEWDALE	63	65	69	82	8,719	91	8,904		
TRADITION	60	_	60	78	4,697	84	6,637		
ROBUST	50	61	60	76	6,275	84	5,839		
AC METCALFE	49	52	53	74	2,297	80	1,901		
LEGACY	59	63	62	73	4,677	78	1,545		
CDC COWBOY	_	_	_	_	_	83	621		
WEIGHTED AVERAGE YIEL	WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES								

SOYBEAN YIELDS BY VARIETY 2005–2009† RISK AREA 5									
	2005	2006	2007	2008	2008	2009	2009‡		
Variety	Yield	Yield	Yield	Yield	Acres	Yield	Acres		
90A06 (RT)	_	_	—	29	1,413	26	2,687		
LS 0036RR (RT)	—	—	—	_	—	30	1,720		
LS 0065RR (RT)	_	_	—	_	_	41	817		
WEIGHTED AVERAGE YIELI	D AND T	OTAL AG	CREAGE	§		29.7	7,821		

† Yields only for those varieties grown on more than 500 acres and by more than 2 growers;

‡ On system as of January 11, 2010;

§ Weighted Average Yield and Total Acreage include acres not reported in the table.

* Assuming 48 lbs./bu.

¶ Insufficient yield data available at time of publication



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OAT YIELDS BY VARIETY 2005–2009† RISK AREA 5									
	2005	2006	2007	2008	2008	2009	2009‡		
Variety	Yield	Yield	Yield	Yield	Acres	Yield	Acres		
FURLONG	67	87	94	106	23,011	109	11,200		
SOURIS	—	—	—	—	_	117	2,109		
RONALD	53	80	95	117	4,642	90	1,901		
LEGGETT	—	—	107	110	5,977	119	1,865		
HIFI	149	100	111	113	1,599	142	1,502		
AC ASSINIBOIA	46	66	89	105	1,929	98	1,496		
JORDAN	_	_	_	122	1,461	94	1,183		
CDC DANCER	_	—	134	133	1,342	126	815		
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§ 110.0 22									

FLAX YIELDS BY VARIETY 2005–2009† RISK AREA 5									
	2005	2006	2009	2009‡					
Variety	Yield	Yield	Yield	Yield	Acres	Yield	Acres		
CDC BETHUNE	19	19	27	27	11,623	28	9,492		
LIGHTNING	17	23	22	27	3,200	33	5,879		
HANLEY	22	23	23	26	4,396	30	3,818		
CDC SORREL	—	_	25	26	1,815	26	2,838		
PRAIRIE BLUE	17	22	21	28	956	29	611		
PRAIRIE THUNDER	—	—	—	—	_	30	539		
WEIGHTED AVERAGE YIEL	WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§								

CORN YIELDS BY VARIETY 2005–2009† RISK AREA 5										
	2005	2006	2007	2008	2008	2009	2009‡			
Variety	Yield	Yield	Yield	Yield	Acres	Yield	Acres			
DEKALB DKC26-79 (RT)	114	109	109	70	3,847	n/a	n/a			
PIONEER 39B94 (BT)(LT)(R	T) —	—	—	93	1,495	n/a	n/a			
PIONEER 39M27 (BT)	_	_	114	76	896	n/a	n/a			
PIONEER 39D95 (RT)	—	—	—	77	674	n/a	n/a			
PIONEER 39D97 (BT)(LT)(R	T) —	_	_	112	598	n/a	n/a			
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES n/a¶										

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Yields only for those varieties grown on more than 500 acres and by more than 2 growers; + Weighted Average Yield and Total Acreage include acres not reported in the table.

SUNFLOWER YIELDS E	SUNFLOWER YIELDS BY VARIETY 2005–2009† R									
	2005	2006	2007	2008	2008	2009	2009‡			
Variety	Yield	Yield	Yield	Yield	Acres	Yield	Acres			
SEEDS2000 6946 (C)	1,069	2,183	1,781	1,779	8,717	1,495	9,888			
PIONEER 63M80 (0)	—	2,727	1,750	1,680	1,846	1,801	1,781			
CHS RH 1121 (C)	_	_	_	1,964	1,855	1,362	1,723			
SEEDS2000 JAGUAR (C)(ST	Г) —	_	_	1,706	1,950	1,806	1,566			
INTEGRA 735 NS CL (0)	_	_	_	_	_	1,717	1,162			
SEEDS2000 PANTHER (C)	_	_	_	_	—	1,572	935			
PIONEER 63M40 (0)	_	_	_	1,892	1,116	1,698	828			
DEKALB DKF34-80 CL (0)(0	CL) —	_	_	_	_	1,587	720			
WEIGHTED AVERAGE YIELD	AND 1	TOTAL A	CREAGE	§		1558.3	22,019			

DRY BEAN YIELDS BY VARIETY 2005–2009† RISK										
	2005	2006	2007	2008	2008	2009	2009‡			
Variety	Yield	Yield	Yield	Yield	Acres	Yield	Acres			
ENVOY (WHITE PEA)	1,307	1,400	1,431	1,709	3,920	1,746	1,313			
AC PINTOBA (PINTO)		_	_	_	_	1,418	1,057			
MAVERICK (PINTO)	791	1,519	1,684	_	_	2,258	933			
T9903 (WHITE PEA)	_	1,861	1,638	1,801	1,036	2,361	929			
WINDBREAKER (PINTO)		_	_	_	_	1,506	844			
WEIGHTED AVERAGE YIEL	D AND T	OTAL A	CREAGE	§		1844.2	5,076			

FIELD PEA YIELDS BY VARIETY 2005–2009† RISK AREA 5										
	2009	2009‡								
Variety	Yield	Yield	Yield	Yield	Acres	Yield	Acres			
CDC GOLDEN	_	_	46	46	1,755	58	1,881			
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§ 55.3 2,803										

RISK AREA 6

CANOLA YIELDS BY VA	RIFTY	2005-	2009+			RISK	AREA 6
CANCER HELDS DI VA	2005	2005	2003	2008	2008	2009	2009‡
Varietv	Yield	Yield	Yield	Yield	Acres	Yield	Acres
5440 (LT)	_	_	_	46	15,803	50	58,794
5030 (LT)	33	42	32	45	29,601	48	24,068
8440 (LT)	_	_	_	44	15,635	48	23,856
5020 (LT)	32	39	28	42	35,203	45	21,578
71-45RR (RT)	_	39	28	40	29,023	43	19,997
45H28 (RT)	_	_	_	45	1,103	49	18,281
72-55RR (RT)	_	_	_	_		46	10,075
NEX 845CL (ST)	_	—	31	37	18,945	40	7.674
9553 (RT)	_	_	_	_		44	7,293
VICTORY V1037 (RT)	_	—		—	_	44	6,638
NX4 105 RR	_	_	_	_	_	43	6,113
45H73 (ST)	—		32	41	5,519	48	6,099
45H26 (RT)	_	_	34	42	15,210	41	5,388
9590 (LT)	—		31	42	9,613	44	5,361
34-65 (RT)	_	36	28	33	7,379	38	3,879
D3150 (RT)	_	—	—	_		43	3,685
1141 (LT)	_	_	_	30	743	46	3,359
1841 (RT)	33	43	31	39	5,496	45	3,156
4414 (RT)	_	_	—	35	2,246	40	2,455
D3151 (RT)	_			_	_	52	2,440
VICTORY V1035 (RT)	_		31	40	10,066	43	2,332
1852H (RT)	—	—		39	2,416	39	2,232
997RR (RT)	_	_	_	37	777	41	2,164
PIONEER 45S51 (RT)	_			—	_	46	1,837
46A76 (ST)	25	34	24	33	4,149	25	1,727
SP BANNER (RT)	30	33	26	33	5,108	32	1,576
1818 (RT)	_	_	27	37	683	35	1,567
46P50 (RT)	—	—	31	40	6,564	44	1,449
43H57	_	_	—	_	_	40	1,181
DEKALB 72-65 (RT)	—	—	—	—	—	42	1,029
5070 (LT)	33	40	31	42	25,672	43	974
PROVEN 9552RR	—	_	—	_	_	35	957
93H01RR (RT)	_	_	—	_	_	45	936
NX4 202 CL (ST)	—	_	—	_	_	39	898
PRAIRIE 719RR (RT)	_	_	_	_	_	28	830
45H24 (RT)	36	37	32	41	2,371	44	813
VICTORY V1030 (RT)	29	—	28	37	3,791	39	796
SW 6802 (RT)	30	29	—	38	617	37	687
45H21 (RT)	32	35	30	38	1,797	47	571
SP 621 RR (RT)	—	—	28	34	1,657	41	536
WEIGHTED AVERAGE YIELD	AND T	OTAL AG	CREAGE	§		45.5	274,721

On system as of January 11, 2010; ‡ Assuming 48 lbs./bu.

Management Plus

[§] ¶ Insufficient yield data available at time of publication

WHEAT YIELDS BY VAR	RIETY 2	2005– <u>2</u> 0	009†			RIS K	AREA 6
	2005	2006	2007	2008	2008	2009	2009‡
Variety	Yield	Yield	Yield	Yield	Acres	Yield	Acres
AC DOMAIN (RS)	34	43	37	47	35,562	48	40,908
KANE (RS)	_	_	—	53	901	54	36,799
5602HR (RS)	_	51	39	47	22,550	53	23,502
SUPERB (RS)	36	48	40	50	36,596	55	19,641
AC BARRIE (RS)	32	39	32	47	23,472	49	18,443
AC INTREPID (RS)	40	51	45	54	10,980	57	14,076
HARVEST (RS)	_	—	—	52	3,556	56	13,459
CDC FALCON (W)	22	65	59	62	19,937	58	11,023
CDC GO (RS)	—	_	—	50	3,577	57	10,866
SNOWSTAR (HWS)	—		—	—	_	58	8,176
MCKENZIE (RS)	42	46	40	49	7,454	51	7,720
GLENN (RS)	—	—	—	—	—	51	6,740
5601HR (RS)	34	49	35	48	5,025	52	5,031
AC ANDREW (F)	—	—	48	60	7,698	58	4,929
CDC TEAL (RS)	35	38	33	45	5,993	49	3,749
CDC BUTEO (W)	—	55	56	58	5,635	55	3,692
5701PR (PS)	51	52	53	56	5,293	55	2,703
AC CADILLAC (RS)	31	32	34	37	2,947	37	2,472
CDC IMAGINE (RS)	35	48	39	46	3,978	45	2,419
BRIGGS (F)	_	—	61	75	1,293	75	1,977
AC TABER (PS)	36	51	45	51	3,417	44	1,526
CDC ALSASK (RS)	—	—	—	54	1,112	52	1,519
5400IP (RS)	—	—	—	47	1,524	47	1,462
SOMERSET (RS)	—	—	39	51	1,343	48	1,454
CDC RAPTOR (W)	—	67	53	57	4,246	66	1,350
AC SPLENDOR (RS)	29	35	24	48	607	33	1,272
RUSS (F)	35	48	41	39	915	53	1,214
AC VISTA (PS)	—	—	49	52	2,453	55	1,120
MCCLINTOCK (W)	_	60	57	62	5,491	55	1,010
CDC ABOUND (RS)	—	_	—	—	—	48	999
CDC HARRIER (W)	_	68	60	69	4,277	51	858
AC CORA (RS)	33	38	27	42	701	37	738
AC WASKADA (RS)	_	_	-	-	-	53	611
PRODIGY (RS)	26	39	—	—	_	54	558
WEIGHTED AVERAGE YIELI	D AND T	OTAL AC	CREAGE	§		52.7	260,093

BARLEY* YIELDS B				0000	0000		AREA 6
	2005	2006	2007	2008	2008	2009	2009‡
Variety	Yield	Yield	Yield	Yield	Acres	Yield	Acres
AC METCALFE	47	66	50	66	20,242	71	18,670
LEGACY	50	77	65	80	22,265	81	14,265
CONLON	55	88	62	73	5,936	85	7,866
NEWDALE	41	68	53	67	11,512	73	6,760
CDC TREY	42	80	62	74	6,490	67	5,769
XENA	52	77	53	74	4,472	75	3,499
TRADITION	_	_	57	80	3,557	74	2,910
CDC COPELAND	46	77	62	68	2,072	78	2,038
LACEY	38	81	54	70	2,800	75	1,392
AC ROSSER	49	74	61	72	767	71	1,371
CDC COWBOY	_	_		71	622	64	1,077
EXCEL	48	78	66	66	879	77	670
AC RANGER	53	68	67	82	1,944	69	636
WEIGHTED AVERAGE YI	75.3	69.780					

OAT YIELDS BY VARIET	OAT YIELDS BY VARIETY 2005-2009†								
	2005	2006	2007	2008	2008	2009	2009‡		
Variety	Yield	Yield	Yield	Yield	Acres	Yield	Acres		
LEGGETT	_	_	88	106	9,060	99	6,125		
TRIPLE CROWN	78	104	87	118	11,141	103	5,983		
PINNACLE	84	95	87	106	11,143	113	5,861		
FURLONG	89	90	83	111	7,315	99	5,067		
CDC DANCER	135	130	106	120	7,185	121	3,605		
HIFI	_	—	_	_	_	105	2,056		
RONALD	82	94	90	98	2,863	77	1,151		
WEIGHTED AVERAGE YIELI) AND T	otal a(REAGE	ş		103.4	32,095		

FLAX YIELDS BY VARIETY 2005–2009† RISK AREA 6										
	2005	2006	2007	2008	2008	2009	2009‡			
Variety	Yield	Yield	Yield	Yield	Acres	Yield	Acres			
CDC BETHUNE	20	26	23	26	22,825	28	27,676			
CDC SORREL	—	—	—	26	6,221	30	6,031			
HANLEY	27	25	22	25	2,842	27	2,495			
TAURUS	26	25	21	25	4,714	31	2,338			

Yields only for those varieties grown on more than 500 acres and by more than 2 growers;
 § Weighted Average Yield and Total Acreage include acres not reported in the table.
 ¶ Insufficient yield data available at time of publication

On system as of January 11, 2010;
* Assuming 48 lbs./bu.

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FLAX YIELDS BY VARIETY 2005–2009† RISK AREA 6									
	2009	2009‡							
Variety	Yield	Yield	Yield	Yield	Acres	Yield	Acres		
OMEGA	11	21	19	—	—	28	684		
LIGHTNING	_	_	—	33	768	29	642		
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§ 28.0 4									

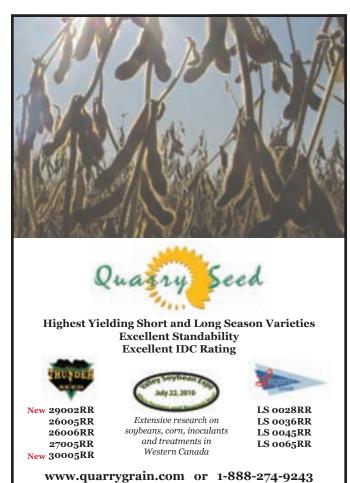
SUNFLOWER YIELDS BY VARIETY 2005–2009† RISK AREA 6										
	2005	2006	2007	2008	2008	2009	2009‡			
Variety	Yield	Yield	Yield	Yield	Acres	Yield	Acres			
SEEDS2000 6946 (C)	725	2,163	2,035	1,742	1,375	2,015	1,364			
PIONEER 63M40 (0)	—	—	—	_	—	2,282	633			
WEIGHTED AVERAGE YIEL		1969.3	3.660							

FIELD PEA YIELDS BY	FIELD PEA YIELDS BY VARIETY 2005-2009†									
	2005	2006	2007	2008	2008	2009	2009‡			
Variety	Yield	Yield	Yield	Yield	Acres	Yield	Acres			
CDC GOLDEN	—	_	44	42	5,450	49	2,853			
ECLIPSE	24	51	42	38	2,482	54	1,502			
COOPER	—	—	43	43	941	57	1,415			
CDC MEADOW	—	—	—	—	—	55	1,102			
MIDAS	_	45	37	32	1,954	31	953			
CDC STRIKER	—	36	48	_	_	47	798			
FUSION	_	_	_	31	1,237	45	656			
REWARD	—	_	—	28	672	43	555			
WEIGHTED AVERAGE YIEL	WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES									

WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§

RISK AREA 7

CANOLA YIELDS BY VARIETY 2005–2009† RISK AREA 7										
							2009‡			
Variety							Acres			
5440 (LT)	—	—	—	47	9,525	49	34,044			
8440 (LT)	_	_	_	48	6,956	51	14,275			
5030 (LT)	40	41	31	44	16,630	46	13,802			
71-45RR (RT)	—	42	28	40	14,271	44	11,936			



Yields only for those varieties grown on more than 500 acres and by more than 2 growers; + Weighted Average Yield and Total Acreage include acres not reported in the table. §

Ĩ Insufficient yield data available at time of publication CANOLA YIELDS BY VARIETY 2005-2009 NX4 105 RR 45 9,931 45H28 (RT) 44 7,488 37 28 5020 (LT) 43 43 12,161 40 6,763 NEX 845CL (ST) 40 17,097 5,957 44 ____ _ _ 72-55RR (RT) 46 5,833 NX4 104 RR 46 3,436 D3150 (RT) 43 3,106 9553 (RT) 2,413 47 VICTORY V1037 (RT) 47 2,278 3,917 34-65 (RT) 42 29 35 40 2,140 1818 (RT) 39 1,174 45 1,611 1141 (LT) 48 559 51 1,548 9590 (LT) 33 46 2,808 47 1,475 45H73 (ST) _ 32 42 1,017 40 1,449 1,436 46P50 (BT) 30 41 44 _ 5,377 RED RIVER 1826 (RT) 43 1,345 33 45H21 (RT) 39 29 41 3,291 41 1,252 D3151 (RT) 39 1,245 VICTORY V1035 (RT) 30 41 5,024 40 1,167 45H26 (RT) 4,022 45 1,081 ____ 44 997RR (RT) 829 40 1841 (RT) 41 32 40 1,061 817 41 DEKALB 72-65 (RT) 45 788 PRAIRIE 719RR (RT) 31 738 45H25 (RT) 44 29 42 1,067 37 599 WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§ 45.9 147,840

Variety							
AC DOMAIN (RS)	37	43	37	45	20,721	45	20,872
AC BARRIE (RS)	35	39	35	47	17,704	48	18,811
HARVEST (RS)	_	57	48	56	6,666	52	15,513
KANE (RS)	—	—	—	63	1,020	50	14,583
SUPERB (RS)	39	47	41	48	15,783	48	11,479
CDC TEAL (RS)	48	49	45	51	8,182	52	8,601
5400IP (RS)	_	44	42	48	5,709	45	5,505
5602HR (RS)	—	47	39	50	5,000	48	5,475
AC INTREPID (RS)	41	46	41	50	5,520	51	4,123
SNOWSTAR (HWS)	_	_	—		_	55	2,475
MCKENZIE (RS)	35	40	30	41	2,706	44	2,290
BHISHAJ (F)	—	—	—	_	_	78	2,265
CDC BUTEO (W)	_	_	56	65	3,689	65	1,993
INFINITY (RS)	—	—	46	55	6,453	54	1,665
AC TABER (PS)	—	56	52	48	1,859	39	1,433
CDC IMAGINE (RS)	—	—	40	46	2,331	48	1,310
CDC GO (RS)	_	_	—	_	—	44	1,254
AC ANDREW (F)	_	_	—	_	—	58	1,116
GLENN (RS)	—	—	—	—	—	55	1,079
LILLIAN (RS)	_	_	40	51	1,313	48	1,051
CDC FALCON (W)	_	59	63	67	3,430	56	905
AC UNITY (RS)	_	_	—	_	_	50	641
CDC BOUNTY (RS)	28	39	32	45	1,360	46	638
AC VISTA (PS)	—	—	—	50	875	40	523
WEIGHTED AVERAGE YIEL	D AND T	OTAL A	CREAGE	§		49.4	128,119

WHEAT YIELDS BY VARIETY 2005-2009

BARLEY* YIELDS BY	BARLEY* YIELDS BY VARIETY 2005–2009†									
Variety										
AC METCALFE	49	66	51	69	14,085	71	10,676			
CDC COPELAND	43	68	57	72	8,977	73	7,277			
TRADITION	_	83	64	78	7,147	70	6,094			
LEGACY	67	85	71	84	6,216	77	4,417			
CDC TREY	_	68	49	71	1,400	75	1,350			
CDC COWBOY	—	—	—	70	1,318	64	1,233			
WEIGHTED AVERAGE YIEL	D AND T	OTAL A	CREAGE	Ş		71.1	33.632			

OAT YIELDS BY VARIE	TY 200						
Variety							
FURLONG	110	97	87	126	5,119	91	3,113
CDC DANCER	140	148	96	137	1,668	105	3,064
PINNACLE	91	82	79	110	8,641	96	2,721
LEGGETT	_	_	97	112	2,698	68	1,901
TRIPLE CROWN	88	89	81	90	1,764	75	1,199
HIFI	_	_	—	_	—	97	777
GEHL	_	_	—	_	—	74	642
JORDAN	—	—	—	—	—	96	614
WEIGHTED AVERAGE YIEL	D AND T	OTAL A	REAGE	§		90.8	15,609

On system as of January 11, 2010; Assuming 48 lbs./bu.

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Management Plus

FLAX YIELDS BY VARIETY 2005–2009† RISK AREA 7										
Variety							Acres			
CDC BETHUNE	22	27	21	28	3,876	30	5,104			
CDC SORREL	—	_	—	29	2,604	31	4,433			
TAURUS	24	28	22	29	1,775	28	1,439			
WEIGHTED AVERAGE YIEL	29.6	11,618								

FIELD PEA YIELDS BY	FIELD PEA YIELDS BY VARIETY 2005-2009†									
							2009‡			
Variety							Acres			
COOPER	_	—	_	44	895	48	1,435			
CDC STRIKER	_	45	40	45	1,182	40	1,025			
CDC MEADOW	_	_	_	_	_	48	962			
AGASSIZ	_	—	—	—	—	46	839			
CDC GOLDEN	_	_	44	46	2,561	53	641			
SWING	17	38	—	38	529	33	502			
WEIGHTED AVERAGE YIEL	45.1	10.016								

CANOLA YIELDS BY	VARIETY	2005-	2009†			RISK	AREA 8
	2005	2006	2007	2008	2008	2009	2009‡
Variety	Yield	Yield	Yield	Yield	Acres	Yield	Acres
5440 (LT)	-	_	_	50	19,126	51	70,882
5030 (LT)	46	39	32	47	42,379	47	28,906
5020 (LT)	46	39	30	44	31,816	42	15,277
72-55RR (RT)	_	_	_	_	_	45	13,993
VICTORY V1037 (RT)	_	—	_	—	_	44	11,240
VICTORY V1035 (RT)	_	_	35	43	11,755	42	7,978
1141 (LT)	_	_	—	43	3,919	44	7,242
71-45RR (RT)	—	33	31	41	12,636	41	7,087
46P50 (RT)	_	_	_	33	2,662	42	4,965
9590 (LT)	—	—	39	46	14,671	47	4,711
45H28 (RT)	_	_	_	_	_	52	2,985

Yields only for those varieties grown on more than 500 acres and by more than 2 growers;

§ Weighted Average Yield and Total Acreage include acres not reported in the table.

Insufficient yield data available at time of publication

CANOLA YIELDS BY V	ARIETY		2009†				AREA 8
	2005	2006	2007	2008	2008	2009	2009‡
Variety					Acres		Acres
8440 (LT)	_	—	—	47	2,800	52	2,307
9553 (RT)	—	—	—	—	—	36	1,511
997RR (RT)	_	_	—	26	1,424	33	1,469
PIONEER 45S51 (RT)	_	—	—	_	_	44	1,330
45H21 (RT)	34	37	23	43	1,403	38	1,282
1143 (LT)	_	_	_	44	9,600	55	1,103
NX4 104 RR	_	_	_	_	_	44	764
45H26 (RT)	_	_	44	45	4,775	46	523
WEIGHTED AVERAGE YIEL	D AND T	OTAL AG	CREAGE	§		47.0	189,593

WHEAT YIELDS BY VA	RIETY 2	2005-2	009†			RISK	AREA 8
	2005	2006	2007	2008	2008	2009	2009‡
Variety	Yield	Yield	Yield	Yield	Acres	Yield	Acres
HARVEST (RS)	60	57	51	60	78,515	57	75,679
AC DOMAIN (RS)	52	50	43	52	42,398	49	35,871
AC SPLENDOR (RS)	54	51	44	56	12,122	56	13,387
KANE (RS)	—	—	—	55	668	56	10,072
AC INTREPID (RS)	51	50	35	46	8,014	45	6,868
SUPERB (RS)	55	49	37	56	2,945	53	3,445
CDC IMAGINE (RS)	58	56	49	56	1,761	52	2,355
CDC TEAL (RS)	52	51	47	49	2,620	45	2,257
CDC GO (RS)	_	—	_	66	1,378	61	2,167
ALVENA (RS)	—	—	—	—	—	54	2,051
BURNSIDE (ES)	_		37	53	3,588	66	1,103
WEIGHTED AVERAGE YIEL	D AND T	OTAL AG	CREAGE	§		54.2	158,977

BARLEY* YIELDS BY VA	ARIETY	2005-	-2009†			RISK	AREA 8		
	2005	2006	2007	2008	2008	2009	2009‡		
Variety	Yield	Yield	Yield	Yield	Acres	Yield	Acres		
ROBUST	57	55	46	54	1,339	66	872		
LACEY	48	_	53	53	837	57	587		
WEIGHTED AVERAGE YIELD	WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§								

On system as of January 11, 2010;
* Assuming 48 lbs./bu.

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OAT YIELDS BY VARIET	RISK AREA 8								
	2005	2006	2007	2008	2008	2009	2009‡		
Variety	Yield	Yield	Yield	Yield	Acres	Yield	Acres		
TRIPLE CROWN	66	57	44	68	754	81	1,640		
RONALD	89	84	72	98	2,378	85	944		
SOURIS	_	_	_	_	_	89	805		
CDC WEAVER	_	_	—	127	1,201	85	669		
DUMONT Weighted Average yield									

CANOLA YIELDS BY VARIETY 2005–2009† RISK AREA 9								
5440 (LT)	—	—	—	46	29,840	45	97,959	
5030 (LT)	39	38	25	44	38,984	43	31,081	
5020 (LT)	41	40	21	41	57,829	44	22,900	
NEX 845CL (ST)	—	—	21	36	32,314	38	19,976	
1141 (LT)	_	—	_	36	9,084	38	18,565	
45H28 (RT)	—	—	—	—	—	46	16,764	
72-55RR (RT)	_	—	_	—	—	42	12,541	
VICTORY V1037 (RT)	_	—	—	42	1,405	39	11,403	
NX4 105 RR	_	_	_	—	_	44	10,027	
71-45RR (RT)	_	33	25	42	26,010	39	8,998	
VICTORY V1035 (RT)	_	_	24	38	17,110	40	8,446	
8440 (LT)	_	_	—	48	8,882	55	6,741	
9553 (RT)	—	—	—	_	_	45	4,994	
34-65 (RT)	_	39	26	34	6,176	42	3,793	
1841 (RT)	38	34	25	36	4,655	37	3,637	
D3150 (RT)	—	—	—	—	—	39	3,628	
9590 (LT)	_	_	23	41	8,174	43	3,545	
PIONEER 45S51 (RT)	_	—	—	—	—	46	3,342	
45H26 (RT)	_	_	_	44	3,658	44	3,157	
NX4 202 CL (ST)	_	_	—	—	—	38	2,577	
5070 (LT)	40	40	26	41	22,333	37	2,178	

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CANOLA YIELDS BY V							AREA 9
1144	—	—	—	—	—	42	1,913
NX4 104 RR	—	—	—	—	—	39	1,768
NEX 828CL (ST)	39	33	23	36	9,964	36	1,749
9550 (RT)	30	25	—	_	—	46	946
4414 (RT)	_	_	20	37	3,365	40	940
PRAIRIE 719RR (RT)	_	_	—	_	—	28	931
RUGBY (RT)	_	_	—	_	—	39	859
34-55 (RT)	35	31	25	39	1,368	40	836
1818 (RT)	—	36	16	26	981	32	733
DEKALB 72-65 (RT)	_	_	_	_	_	44	596
WEIGHTED AVERAGE YIEL	D AND T	OTAL AG	CREAGE	ş		42.6	319,476

WHEAT YIELDS BY VARIETY 2005–2009† RISK AREA 9							
AC DOMAIN (RS)	41	44	31	49	72,820	42	73,542
HARVEST (RS)	69	54	39	55	48,697	48	72,954
AC BARRIE (RS)	36	39	34	46	36,337	44	37,453
KANE (RS)	—	—	—	59	810	46	21,621
SUPERB (RS)	47	49	40	50	54,575	47	20,861
CDC TEAL (RS)	48	45	35	53	19,024	42	18,415
INFINITY (RS)	_	_	50	60	8,667	43	7,944
GLENN (RS)	—	—	—	_	_	48	5,807
CDC IMAGINE (RS)	42	44	33	53	9,305	43	5,743
AC INTREPID (RS)	51	48	32	54	10,013	43	5,242
BRIGGS (F)	_	_	—	_	_	66	4,767
5602HR (RS)	—	51	33	44	1,336	45	4,080
CDC GO (RS)	_	—	—	51	11,044	43	3,651
CDC BUTEO (W)	—	—	48	63	5,020	47	3,254
5400IP (RS)	_	56	36	53	3,699	57	2,299
AC VISTA (PS)	51	50	42	75	3,617	53	1,964
5701PR (PS)	62	61	48	68	3,236	37	1,440
OSLO (PS)	—	—	40	—	_	37	1,410
MCKENZIÉ (RS)	46	_	22	61	997	41	1,076
CDC ABOUND (RS)	—	—	—	—	—	50	1,064
KYLE (D)	64	_	_	_	_	36	1,052
AC ELSA (RS)	41	44	28	—	—	42	892
AC WASKADA (RS)	_	_	_	_	_	54	580
WEIGHTED AVERAGE YIE	LD AND T	OTAL AG	CREAGE	ş		45.3	302,625
				-			

BARLEY* YIELDS BY V			-2009†				AREA 9
							2009‡
Variety							Acres
AC METCALFE	61	69	38	72	9,619	68	9,079
LEGACY	58	65	54	76	8,063	70	5,863
CONLON	54	64	48	58	6,143	60	5,435
TRADITION	—	71	52	74	4,112	78	4,682
LACEY	54	53	55	67	2,042	67	1,912
CDC COWBOY	—	—	—	_	—	63	1,398
CDC STRATUS	62	70	54	94	1,396	80	1,179
CDC YORKTON	—	74	52	82	1,968	75	902
ROBUST	47	56	36	53	3,012	66	891
EXCEL	57	62	36	64	1,735	70	830
AC RANGER	72	72	58	66	1,952	74	591
WEIGHTED AVERAGE YIELD	AND T	OTAL A	CREAGE)		68.2	35,282

SOYBEAN YIELDS BY VARIETY 2005–2009† RISK AREA 9							
							2009‡
							Acres
LS 0036RR (RT)	—	—	—	—	—	32	3,062
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						31.6	3,400

OAT YIELDS BY VARIETY 2005–2009† RISK AREA 9							
							2009‡
Variety							Acres
FURLONG	73	72	59	94	12,294	75	4,838
RONALD	77	70	70	91	10,247	82	3,723
LEGGETT	_	_	65	100	5,596	93	3,046
TRIPLE CROWN	79	66	55	75	5,160	73	2,568
PINNACLE	81	64	70	94	2,646	81	1,359
JORDAN	_	_	—	107	1,202	104	1,163
SOURIS	_	—	—	—	—	92	1,032
AC ASSINIBOIA	79	62	61	94	2,092	86	768
DERBY 68 70 46 74 1,250 WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES							523 22,435

On system as of January 11, 2010;
* Assuming 48 lbs./bu.

Management

Yields only for those varieties grown on more than 500 acres and by more than 2 growers;
 Weighted Average Yield and Total Acreage include acres not reported in the table.

 [§] Weighted Average Yield and Total Acreage include acre
 ¶ Insufficient yield data available at time of publication

FLAX YIELDS BY VARIETY 2005–2009† RISK AREA 9							
							2009‡
Variety							Acres
CDC BETHUNE	17	19	19	22	6,499	24	4,662
CDC SORREL	—	_	—	24	997	26	1,962
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§ 23.4 8,893						8,893	

FIELD PEA YIELDS BY VARIETY 2005–2009† RISK AREA 9							
							2009‡
Variety							Acres
SW CAPRI	45	37	37	55	644	42	940
LIVIOLETTA	26	43	—	36	740	42	680
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§ 41.7 3,316							

CANOLA YIELDS BY	VARIETY	2005–	2009†				REA 10
	2005	2006	2007	2008	2008	2009	2009‡
Variety	Yield	Yield	Yield	Yield	Acres	Yield	Acres
5440 (LT)	_	_	—	39	4,869	49	23,914
5030 (LT)	16	44	25	38	9,019	48	8,584
8440 (LT)	—	—	—	44	4,523	52	8,055
5020 (LT)	13	38	30	36	11,079	42	5,160
71-45RR (RT)	_	35	30	32	3,419	37	2,442
VICTORY V2030 (RT)	—	—	—	—	—	40	2,177
45H26 (RT)	—	_	—	35	3,736	38	2,111
1144	—	—	—	—	—	48	1,772
NEX 845CL (ST)	—	—	34	28	8,027	43	1,519
NX4 105 RR	—	—	—	—	—	38	1,104
45H28 (RT)	_	_	—	_	—	40	1,074
1841 (RT)	—	39	—	37	2,623	43	967
VICTORY V2018 (RT)	_	_	—	33	2,447	38	881
72-55RR (RT)	—	—	—	—	—	46	718
NX4 202 CL (ST)	—	—	—	_	—	33	680
D3151 (RT)	—	—	—	—	—	46	589
43H57	—	_	—	_	—	26	570
34-65 (RT)	—	38	25	33	1,894	39	548
45P70 (ST)	_	—	28	—	_	44	529
45H73 (ST)	—	—	—	—	—	45	520
WEIGHTED AVERAGE YIE	LD AND T	OTAL A	REAGE	ş		45.8	69,398

WHEAT YIELDS BY VARIETY 2005–2009† RISK AREA 1							
	2005	2006	2007	2008	2008	2009	2009‡
Variety	Yield	Yield	Yield	Yield	Acres	Yield	Acres
AC BARRIE (RS)	25	47	44	51	22,931	55	18,825
CDC FALCON (W)	38	68	62	71	18,008	71	14,137
KANE (RS)	_	_	—	_	_	58	6,660
GLENN (RS)	—	—	—	—	_	66	3,624
SUPERB (RS)	23	50	46	51	6,871	53	3,474

Yields only for those varieties grown on more than 500 acres and by more than 2 growers;

Weighted Average Yield and Total Acreage include acres not reported in the table. § ¶

Insufficient yield data available at time of publication

WHEAT YIELDS BY VARIETY 2005–2009† RISK AREA 10							
	2005	2006	2007	2008	2008	2009	2009‡
Variety	Yield	Yield	Yield	Yield	Acres	Yield	Acres
5602HR (RS)	—	53	49	45	2,289	48	2,878
AC DOMAIN (RS)	26	50	34	49	3,196	48	1,789
MCCLINTOCK (W)	_	_	—	62	590	43	1,480
SOMERSET (RS)	—	—	—	51	1,129	45	1,014
CDC BUTEO (W)	_	_	—	62	565	69	812
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§ 59.7 56,263						56,263	

WEIGHTED AVERAGE	: YIELD AND	IUIAL ACREAGES

BARLEY* YIELDS BY V	ARIET	2005-	-2009†			RISK A	REA 10
	2005	2006	2007	2008	2008	2009	2009‡
Variety	Yield	Yield	Yield	Yield	Acres	Yield	Acres
CONLON	14	65	62	64	6,191	76	6,292
TRADITION	_	_	53	47	1,789	78	2,535
LACEY	27	74	62	73	2,597	83	1,477
ROBUST	21	53	45	49	1,575	54	1,316
AC RANGER	11	64	49	54	1,375	68	579
WEIGHTED AVERAGE YIEL	D AND T	OTAL A	CREAGE	ş		73.2	13,132

SOYBEAN YIELDS BY	VARIET	Y 2005	-2009†			RISK A	REA 10
	2005	2006	2007	2008	2008	2009	2009‡
Variety	Yield	Yield	Yield	Yield	Acres	Yield	Acres
LS 0065RR (RT)	—	35	30	32	1,360	38	5,093
NSC PORTAGE RR (RT)	—	_	—	32	2,968	31	4,178
90M01 (RT)	—	28	37	30	1,321	29	3,040
NSC WARREN RR (RT)	_	_	—	_	—	33	1,357
LS 0036RR (RT)	—	—	—	_	—	32	882
90A06 (RT)	—	—	—	29	1,093	27	682
WEIGHTED AVERAGE YIEL	D AND T	OTAL A	REAGE	ş		32.8	18,698

OAT YIELDS BY VARIE	TY 2005	5–2009	t			RISK A	REA 10
	2005	2006	2007	2008	2008	2009	2009‡
Variety	Yield	Yield	Yield	Yield	Acres	Yield	Acres
LEGGETT	—	—	91	92	7,972	97	8,213
FURLONG	30	90	88	90	11,352	106	7,415
RONALD	36	87	91	99	5,440	91	3,374
PINNACLE	43	75	92	85	4,046	104	3,278
AC ASSINIBOIA	39	83	82	74	4,597	80	2,278
HIFI	_	89	98	104	2,177	118	1,221
SOURIS	_	_	—	_	_	115	1,024
JORDAN	—	—	—	116	755	99	673
WEIGHTED AVERAGE YIEL	D AND T	OTAL AG	CREAGE	§ .		99.3	28,298

FLAX YIELDS BY VARI	ETY 20	05–200	9†			RISK A	REA 10
	2005	2006	2007	2008	2008	2009	2009‡
Variety	Yield	Yield	Yield	Yield	Acres	Yield	Acres
CDC SORREL	_	—	—	_	_	28	1,599
CDC BETHUNE	6	16	16	23	780	20	791
WEIGHTED AVERAGE YIEL	D AND T	OTAL A	CREAGE	§		23.5	2,804

‡ On system as of January 11, 2010; Assuming 48 lbs./bu.

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CORN YIELDS BY VARIE	TY 20	05–200	09†			RISK A	REA 10
	2005	2006	2007	2008	2008	2009	2009‡
Variety	Yield	Yield	Yield	Yield	Acres	Yield	Acres
PIONEER 39D97 (BT)(LT)(RT) —	—	124	113	4,917	n/a	n/a
DEKALB DKC26-79 (RT)	—	108	113	93	4,121	n/a	n/a
PIONEER 39D95 (RT)	_	_	_	102	3,080	n/a	n/a
PIONEER 39B94 (BT)(LT)(RT) —	—	—	99	2,919	n/a	n/a
PIONEER 39M27 (BT)	62	112	114	100	2,449	n/a	n/a
PIONEER 39B96 (BT)(LT)	—	—	82	106	1,675	n/a	n/a
PIONEER 39B93	_	_	109	96	1,486	n/a	n/a
PIONEER 39M26 (RT)	—	—	105	98	1,457	n/a	n/a
PIONEER 39B90 (RT)	—	—	—	99	1,360	n/a	n/a
HYLAND HL R208 (RT)	_	—	109	86	1,218	n/a	n/a
DEKALB DKC26-78 (RT)	_	86	124	97	871	n/a	n/a
WEIGHTED AVERAGE YIELD	AND T	OTAL AC	REAGE	ş		n/a¶	n/a¶

SUNFLOWER YIELDS B	Y VAF	IETY 2	2005–20	09†		RISK A	AREA 10
	2005	2006	2007	2008	2008	2009	2009‡
Variety	Yield	Yield	Yield	Yield	Acres	Yield	Acres
SEEDS2000 6946 (C)	642	2,280	1,876	1,567	7,461	1,521	5,096
SEEDS2000 JAGUAR (C)(ST) —	—	—	1,653	1,714	1,823	1,792
SEEDS2000 PANTHER (C)	_	—	—	_	-	1,501	1,354
DEKALB DKF34-80 CL (0)(C	L) —	_	—	_	_	1,581	515
WEIGHTED AVERAGE YIELD	AND T	OTAL A	CREAGE	ş		1569.7	11,388

DRY BEAN YIELDS BY	VARIE	TY 200	5–2009	†		RISK	AREA 10
	2005	2006	2007	2008	2008	2009	2009‡
Variety	Yield	Yield	Yield	Yield	Acres	Yield	Acres
ENVOY (WHITE PEA)	359	1,561	1,473	1,299	10,486	1,468	3,234
PINK PANTHER (KIDNEY)	37	1,656	1,850	1,504	3,412	2,136	2,700
WINDBREAKER (PINTO)	_	—	—	2,125	611	2,158	2,188
T9903 (WHITE PEA)	—	—	—	1,462	868	1,517	1,814
MAVERICK (PINTO)	302	1,874	1,839	1,905	905	1,488	1,019
ECLIPSE (BLACK)	_	_	_	_	_	1,781	735
FLOYD (OTHER) WEIGHTED AVERAGE YIELI	D AND T	OTAL A	CREAGE	9 –	—	1,828 1740.9	530 16,169

Yields only for those varieties grown on more than 500 acres and by more than 2 growers;

§ Weighted Average Yield and Total Acreage include acres not reported in the table.

¶ Insufficient yield data available at time of publication

RISK AREA 11

CANOLA YIELDS BY							AREA 11
		2006		2008	2008	2009	2009‡
Variety	Yield	Yield	Yield	Yield	Acres	Yield	Acres
5440 (LT)	—	—	—	45	17,743	47	55,049
8440 (LT)	—	—	—	40	17,306	46	25,156
5030 (LT)	20	39	34	40	19,671	47	17,176
5020 (LT)	18	38	30	38	39,675	43	15,911
71-45RR (RT)	_	37	33	32	14,866	38	10,425
1144	—	—	—	—	—	43	8,158
1841 (RT)	13	35	29	37	10,792	40	6,302
72-55RR (RT)	—	—	—	_	_	43	5,994
VICTORY V2030 (RT)	_	—	—	_	_	37	5,921
NX4 105 RR	—	—	—	_	_	47	5,682
9590 (LT)	—	_	30	37	6,301	34	4,861
1818 (RT)	—	30	30	37	2,414	39	3,688
VICTORY V2018 (RT)	—	_	_	36	6,764	42	3,063
9553 (RT)	—	—	—	—	_	26	2,657
45H26 (RT)	_	_	34	36	4,256	33	2,615
D3151 (RT)	—	—	—	—	—	39	2,580
NEX 845CL (ST)	—	—	30	32	19,050	37	2,559
45H28 (RT)	—	—	—	—	—	33	1,799
45H21 (RT)	19	32	29	29	1,330	42	1,745
34-65 (RT)	—	29	28	31	3,216	31	1,518
NX4 202 CL (ST)	_	_	_	_	_	41	1,306
71-40CL (ST)	—	—	—	—	—	34	1,127
NX4 104 RR	_	_	_	_	_	37	944
997RR (RT)	—	—	—	26	1,408	38	898
46P50 (RT)	_	_	27	31	1,680	31	724
5070 (LT)	20	40	34	39	13,037	48	652
DEKALB 72-65 (RT)	_	_	_	_	_	31	622
93H01RR (RT)	_	_	_	28	853	40	595
D3150 (RT)	_	_	_		_	40	548
WEIGHTED AVERAGE YIE	LD AND T	OTAL A	CREAGE	§		42.8	198,840

On system as of January 11, 2010;
 * Assuming 48 lbs./bu.

Management Constant And Constan



WHEAT YIELDS BY VAR	RIETY 2		009†				AREA 11
		2006		2008	2008	2009	2009‡
Variety							Acres
KANE (RS)	_	_	_	60	4,241	58	51,758
AC BARRIE (RS)	27	48	46	52	51,465	53	48,036
5602HR (RS)	_	56	50	48	28,341	48	21,119
CDC FALCON (W)	35	67	75	79	39,456	69	14,632
GLENN (RS)	—	_	_	—	—	61	9,202
AC DOMAIN (RS)	30	46	50	50	9,183	53	7,051
SUPERB (RS)	27	52	50	52	31,750	55	5,917
CDC GO (RS)	—	—	64	55	14,799	69	3,892
HY 644 (F)	_	_	66	54	639	55	2,360
ALSEN (F)	30	56	55	51	890	58	2,303
5601HR (RS)	20	48	48	41	4,676	51	1,570
SOMERSET (RS)	—	—	37	41	2,358	56	1,481
AC WASKADA (RS)	_	_	—	—	_	54	1,117
BRIGGS (F)	—	—	51	36	1,049	43	656
HARVEST (RS)	_	—	—	—	_	59	586
MCKENZIE (RS)	—	—	55	—	_	45	585
MCCLINTOCK (W)	_	_	_	64	1,564	66	560
WEIGHTED AVERAGE YIELI	D AND T	OTAL AC	REAGE	§		56.3	177,480

BARLEY* YIELDS BY V	ARIETY		-2009†				REA 11
		2006		2008	2008	2009	2009‡
Variety							
CONLON	20	80	83	84	23,640	85	25,993
NEWDALE	32	81	71	75	3,191	73	3,074
LEGACY	34	60	72	63	3,709	81	2,563
ROBUST	18	58	69	63	4,569	73	2,489
CDC COPELAND	20	71	85	79	2,483	84	2,074
TRADITION	_	_	63	68	1,530	83	1,835
LACEY	45	80	66	73	4,388	70	1,340
AC METCALFE	22	61	71	69	2,280	64	1,149
WEIGHTED AVERAGE YIEL	D AND T	OTAL A	CREAGE	§ .		81.7	44,216

SOYBEAN YIELDS BY	/ARIET	Y 2005	-2009†			RISK A	REA 11
		2006		2008	2008	2009	2009‡
Variety							Acres
NSC PORTAGE RR (RT)	_	—	—	36	1,463	36	5,013
LS 0036RR (RT)	_	—	33	24	1,394	29	4,735
NSC WARREN RR (RT)	_	—	_	31	865	35	3,177
LS 0065RR (RT)	_	32	—	36	595	37	2,965
90A06 (RT)	_	—	_	35	1,345	27	2,244
THUNDER 27005RR (RT)	_	_	_	_	—	25	1,370
APOLLO RR (RT)	_	25	28	34	954	29	1,298
MONTCALM (RT)	_	_	29	35	633	25	1,078
90M01 (RT)	_	_	_	_	_	22	971
2703 RR (RT)	—	_	—	_	—	32	757
WEIGHTED AVERAGE YIEL	D AND T	OTAL A	REAGE	§.		32.0	26,152

Yields only for those varieties grown on more than 500 acres and by more than 2 growers; Weighted Average Yield and Total Acreage include acres not reported in the table. Insufficient yield data available at time of publication

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† § ¶

OAT YIELDS BY VARIE	TY 20 <u>05</u>	5–200 <u>9</u>				RISK A	REA 11
		2006		2008	2008	2009	2009:
Variety					Acres		Acres
FURLONG	56	88	101	112	16,714	101	14,400
LEGGETT	—	101	107	117	9,209	113	9,389
CDC DANCER	71	101	110	104	5,042	98	4,330
JORDAN	—	—	159	129	2,892	136	3,409
AC ASSINIBOIA	43	80	90	94	8,347	85	3,09
RONALD	49	87	102	105	6,663	81	2,45
PINNACLE	42	90	105	86	1,785	87	1,02
HIFI	—	98	98	122	1,816	110	788
				§		102.4 RISK A	
WEIGHTED AVERAGE YIEL				§			
FLAX YIELDS BY VARI	ETY 20 2005	05–200 2006	9† 2007	2008	2008	RISK A 2009	41,074 REA 11 2009:
FLAX YIELDS BY VARI Variety	ETY 20 (2005 Yield	0 5–200 2006 Yield	9† 2007 Yield	2008 Yield	Acres	RISK A 2009 Yield	REA 1 1 2009: Acres
FLAX YIELDS BY VARI Variety CDC BETHUNE	ETY 20 2005	05–200 2006	9† 2007 Yield 28	2008 Yield 28	Acres 3,025	RISK A 2009 Yield 29	AREA 11 2009: Acres 4,442
FLAX YIELDS BY VARI Variety CDC BETHUNE CDC SORREL	ETY 20 (2005 Yield	0 5–200 2006 Yield	9† 2007 Yield	2008 Yield	Acres	RISK A 2009 Yield 29 30	AREA 1 2009 Acres 4,44 4,29
FLAX YIELDS BY VARI Variety CDC BETHUNE CDC SORREL PRAIRIE THUNDER	ETY 200 2005 Yield 9 —	05–200 2006 Yield 18 –	9† 2007 Yield 28 —	2008 Yield 28 26	Acres 3,025 1,600	RISK A 2009 Yield 29 30 22	AREA 11 2009: Acres 4,442 4,298 584
FLAX YIELDS BY VARI Variety CDC BETHUNE CDC SORREL PRAIRIE THUNDER HANLEY	ETY 200 2005 Yield 9 — 8	05–200 2006 Yield 18 – – 17	9† 2007 Yield 28 — 20	2008 Yield 28 26 25	Acres 3,025	RISK A 2009 Yield 29 30 22 31	AREA 11 2009: Acres 4,442 4,298 584 564
FLAX YIELDS BY VARI Variety CDC BETHUNE CDC SORREL PRAIRIE THUNDER	ETY 200 2005 Yield 9 — 8	05–200 2006 Yield 18 – – 17	9† 2007 Yield 28 — 20	2008 Yield 28 26 25	Acres 3,025 1,600	RISK A 2009 Yield 29 30 22	AREA 11 2009: Acres 4,442 4,298 584 564
FLAX YIELDS BY VARI Variety CDC BETHUNE CDC SORREL PRAIRIE THUNDER HANLEY WEIGHTED AVERAGE YIEL	ETY 200 2005 Yield 9 — 8 D AND T	05–200 2006 Yield 18 –– 17 0TAL AC	9† 2007 Yield 28 — 20 CREAGE	2008 Yield 28 26 25	Acres 3,025 1,600	RISK A 2009 Yield 29 30 22 31 29.4	AREA 11 2009: Acres 4,442 4,298 584 564 11,029
FLAX YIELDS BY VARI Variety CDC BETHUNE CDC SORREL PRAIRIE THUNDER HANLEY	ETY 200 2005 Yield 9 	05–200 2006 Yield 18 –– 17 0TAL A(9† 2007 Yield 28 	2008 Yield 28 26 — 25	Acres 3,025 1,600 1,033	RISK A 2009 Yield 29 30 22 31 29.4 RISK A	ACTES 4,44 4,29 58 56 11,02 AREA 1
FLAX YIELDS BY VARI Variety CDC BETHUNE CDC SORREL PRAIRIE THUNDER HANLEY WEIGHTED AVERAGE YIEL CORN YIELDS BY VAR	ETY 200 2005 Yield 9 	05–200 2006 Yield 18 17 0TAL AC 2006	9† 2007 Yield 28 	2008 Yield 28 26 25 \$ 2008	Acres 3,025 1,600 1,033 2008	RISK A 2009 Yield 29 30 22 31 29.4 RISK A 2009	REA 11 2009: Acres 4,44; 4,29: 58: 56: 11,02: NREA 11 2009:
FLAX YIELDS BY VARI Variety CDC BETHUNE CDC SORREL PRAIRIE THUNDER HANLEY WEIGHTED AVERAGE YIEL CORN YIELDS BY VAR Variety	ETY 200 2005 Yield 9 	05–200 2006 Yield 18 17 0TAL AC 2006 Yield	9† 2007 Yield 28 20 REAGE 2007 Yield	2008 Yield 28 26 25 3 2008 Yield	Acres 3,025 1,600 	RISK A 2009 Yield 29 30 22 31 29.4 RISK A 2009 Yield	AREA 11 2009 Acres 4,44 4,29 58 56 11,02 AREA 11 2009 Acres
FLAX YIELDS BY VARI Variety CDC BETHUNE CDC SORREL PRAIRIE THUNDER HANLEY WEIGHTED AVERAGE YIEL CORN YIELDS BY VAR	ETY 200 2005 Yield 9 	05–200 2006 Yield 18 17 0TAL AC 2006	9† 2007 Yield 28 	2008 Yield 28 26 25 \$ 2008	Acres 3,025 1,600 1,033 2008	RISK A 2009 Yield 29 30 22 31 29.4 RISK A 2009	REA 11

SUNFLOWER YIELDS	BY VAR	IETY 2		09†		RISK A	REA 11
		2006		2008	2008	2009	2009‡
Variety							
SEEDS2000 6946 (C)	1,292	2,478	2,275	1,898	3,466	1,823	4,550
WEIGHTED AVERAGE YIEL	D AND T	otal a	CREAGE	§		1667.8	7,146

DRY BEAN YIELDS BY	VARIE	TY 200					AREA 11
		2006		2008	2008	2009	2009‡
Variety							Acres
ENVOY (WHITE PEA)	800	2,048	1,398	1,473	16,731	1,554	13,436
WINDBREAKER (PINTO)	_	_	—	2,075	990	2,247	2,546
T9903 (WHITE PEA)	_	_	_	1,642	821	1,709	2,434
PINK PANTHER (KIDNEY)	—	2,229	1,217	1,290	2,641	2,055	2,030
MAVERICK (PINTO)	1,032	1,601	1,400	1,603	1,097	1,484	1,703
CARGO (WHITE PEA)	754	2,028	1,490	1,534	2,331	1,590	1,595
FOXFIRE (KIDNEY)	575	1,836	1,186	1,078	2,205	2,116	1,466
ECLIPSE (BLACK)	—	—	—	1,676	738	2,075	1,460
AC PINTOBA (PINTO)	1,021	2,551	1,402	1,986	638	2,341	1,046
BLACK VIOLET (BLACK)	—	—	—	—	—	1,748	561
AC CRUISER (WHITE PEA)	697	1,936	1,243	895	568	1,442	538
WEIGHTED AVERAGE YIEL	D AND 1	OTAL A	CREAGE	§		1750.4	31,497

On system as of January 11, 2010;
* Assuming 48 lbs./bu.

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FIELD PEA YIELDS BY	FIELD PEA YIELDS BY VARIETY 2005–2009† RISK AREA 11									
	2009	2009‡								
Variety							Acres			
CDC GOLDEN	_	—	—	52	641	56	615			
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§ 54.9 1,17										

CANOLA YIELDS BY VARIETY 2005–2009† RISK AREA 12										
	2005	2006	2007	2008	2008	2009	2009‡			
5440 (LT)	—	—	—	42	50,986	40	199,330			
8440 (LT)	—	—	—	43	52,341	39	79,425			
5030 (LT)	7	33	33	44	70,551	40	66,541			
5020 (LT)	7	34	30	42	90,292	35	59,064			
1144	_	_	_	_	_	38	37,176			
71-45RR (RT)	—	27	27	38	39,951	32	30,024			
9590 (LT)	—	—	31	43	23,307	37	19,558			
45H26 (RT)	—	—	28	43	21,237	34	17,458			
NEX 845CL (ST)	—	—	29	37	34,905	33	17,019			
72-55RR (RT)	_	—	—	_	_	34	13,553			
45H28 (RT)	—	—	—	43	913	36	12,781			
VICTORY V2030 (RT)	—	—	—	—	—	31	10,597			
1841 (RT)	5	32	30	37	28,803	34	10,513			
9553 (RT)	—	—	—	—	—	35	7,306			
45H73 (ST)	-	—	32	41	4,543	35	6,855			
D3151 (RT)	—	_	_	_	—	31	6,319			
PIONEER 45S51 (RT)	-	—	—	—	—	33	5,030			
1818 (RT)	—	27	31	34	2,036	31	3,909			
45H21 (RT)	9	32	30	38	4,289	35	3,825			
VICTORY V2018 (RT)	_	—	—	39	16,708	28	3,579			
43H57	—	_	—	_	_	24	3,198			
NX4 202 CL (ST)	—	—	—	—	—	38	2,910			
NX4 105 RR	_	—	—	—	—	35	2,866			
5070 (LT)	9	35	33	43	56,475	33	2,635			
PRAIRIE 719RR (RT)	-	24	26	26	1,432	23	2,255			
1651H (ST)	—	—	—	36	4,298	30	2,051			

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¶ Insufficient yield data available at time of publication

CANOLA YIELDS BY VARIETY 2005–2009† RISK ARE								
NX4 101 RR	_	—	—	_	_	36	1,873	
4362 (RT)	—	—	20	39	1,235	21	1,490	
D3150 (RT)	_	_	_	_	_	33	1,313	
DEKALB 72-65 (RT)	—	—	—	—	—	29	1,304	
4414 (RT)	_	_	24	32	4,780	29	1,019	
1768S (RT)	_	_	—	_	_	31	998	
34-65 (RT)	_	28	26	34	2,263	34	887	
9550 (RT)	3	22	24	35	1,760	27	733	
NEX 830 CL (ST)	5	29	27	40	9,596	37	598	
46P50 (RT)	—	—	33	36	3,879	28	575	
93H01RR (RT)	_	_	_	_	_	32	540	
71-40CL (ST)	_	—	—	_	_	47	537	
WEIGHTED AVERAGE YIE	LD AND T	OTAL A	CREAGE	ş		37.0	647,535	

WHEAT YIELDS BY V							AREA 12
	2005	2006	2007	2008	2008	2009	2009:
Variety	Yield	Yield	Yield	Yield	Acres	Yield	Acres
KANE (RS)	—	—	49	64	7,763	52	168,819
AC BARRIE (RS)	16	47	44	55	166,908	50	118,93
GLENN (RS)	_	_	_	_	_	56	41,10
AC DOMAIN (RS)	25	55	46	60	41,777	55	34,123
5602HR (RS)	_	52	49	50	54,414	46	28,320
CDC FALCON (W)	30	73	74	80	186,055	61	17,63
5601HR (RS)	19	47	47	47	15,385	44	13,19
CDC GO (RS)	_	—	57	64	22,530	62	12,85
SUPERB (RS)	17	53	50	56	34,219	51	10,20
ALSEN (F)	12	53	50	58	7,203	48	5,96
SOMERSET (RS)	_	—	49	59	5,659	52	4,50
HY 644 (F)	_	—	—	50	2,131	50	3,95
TRAVERSE (F)	_	_	_	_	·	32	2,08
HARVEST (RS)	_	—	—	55	1,480	60	1,96
GLENN (F)	_	_	_	55	1,272	45	1,82
MCKENZIE (RS)	15	45	51	41	1,324	32	1,66
AC CORA (RS)	23	41	36	48	1,040	55	91
AC WASKADA (RS)	_	_	_	_	_	58	86
CDC ABOUND (RS)	_		_	_	_	73	76
WEIGHTED AVERAGE YI	FLD AND T	OTAL AC	REAGE	S		51.7	475,11

BARLEY* YIELDS BY V		(2005-	-2009†			RISK A	REA 12
	2005	2006	2007	2008	2008	2009	2009‡
Variety							
CONLON	16	74	72	83	35,448	77	36,935
TRADITION	—	85	71	95	16,068	71	22,576
NEWDALE	12	75	77	87	11,219	71	9,830
CDC COPELAND	8	62	52	76	2,649	64	4,382
ROBUST	16	68	60	63	4,796	60	3,874
AC METCALFE	8	61	64	72	4,027	55	1,670
LACEY	_	88	73	102	2,010	64	1,256
STELLAR-ND	—	—	—	—	—	67	1,121
BEDFORD	12	79	58	_	_	46	885
CDC TREY	_	74	70	87	2,079	64	746
LEGACY	_	_	64	93	1,346	71	641
CDC STRATUS	13	76	55	—	_	77	547
WEIGHTED AVERAGE YIEL	D AND T	OTAL A	CREAGE	§		72.1	85,919

SOYBEAN YIELDS BY VARIETY 2005–2009† RISK AREA 12										
	2005	2006	2007	2008	2008	2009	2009‡			
Variety	Yield	Yield	Yield	Yield	Acres	Yield	Acres			
NSC PORTAGE RR (RT)	—	—	40	36	48,354	31	78,349			
90M01 (RT)	—	30	41	33	42,714	33	52,432			
90A06 (RT)	_	—	36	34	25,701	27	32,874			
DK 25-04R (RT)	_	—	—	35	695	35	15,562			
25-02R (RT)	27	29	40	35	16,870	30	15,530			
LS 0065RR (RT)	—	30	45	36	2,663	37	14,694			
OAC PRUDENCE	19	23	35	32	11,183	30	14,117			
LS 0036RR (RT)	—	21	37	35	8,339	26	13,889			
NSC WARREN RR (RT)	—	—	—	32	3,827	29	13,647			
24-52R (RT)	—	—	—	—	—	31	6,582			
90A07	15	29	36	34	4,071	32	5,575			
RR RUSSELL (RT)	—	—	—	33	1,289	31	4,299			
2703 RR (RT)	_	—	_	—	_	33	4,079			
RR ROSCO (RT)	21	30	33	33	5,812	34	3,735			
OLEXRR (RT)	_	_	37	33	1,719	33	3,491			
LS 0028RR (RT)	—	—	—	—	—	32	3,068			
ISISRR (RT)	_	_	_	_	_	37	2,657			

‡ On system as of January 11, 2010; Assuming 48 lbs./bu.

Management Contraction Plus

SOYBEAN YIELDS BY	ARIET		-2009†				AREA 12
							2009‡
Variety							Acres
THUNDER 27005RR (RT)	_	—	—	33	6,219	27	2,429
26006RR (RT)	_	_	44	34	2,222	29	2,114
GENTLEMAN	16	21	28	—	—	24	1,603
RR REGIS (RT)	_	27	37	34	4,524	25	1,576
THUNDER 26005RR (RT)	—	28	35	32	2,087	33	1,390
THUNDER 26006RR (RT)	_	36	_	—	—	31	1,326
OAC ERIN	—	40	—	39	931	42	1,073
90M02 (RT)	_	—	40	34	2,050	32	1,059
MONTCALM (RT)	—	—	38	30	1,980	24	982
LS 0045RR (RT)	_	28	33	31	4,335	42	770
NSC 2007 (RT)	19	28	36	34	6,514	29	739
NSC 2703 (RT)	_	—	_	—	—	36	730
2606RR (RT)	—	—	—	—	—	27	717
S00-H7 (RT)	_	_	_	_	_	41	582
NSC 2011RR (RT)	_	—	40	35	5,046	16	538
WEIGHTED AVERAGE YIEL	D AND T	OTAL AC	CREAGE	§.		30.9	307,118

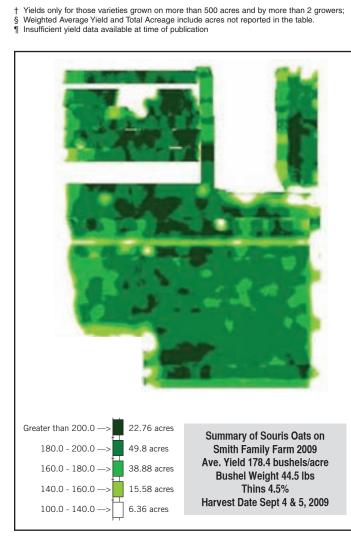
OAT YIELDS BY VARIE	FY 200	5–2009				RISK /	AREA 12
	2005	2006	2007	2008	2008	2009	2009‡
Variety		Yield	Yield	Yield	Acres	Yield	Acres
FURLONG	33	89	111	122	76,234	115	43,192
RONALD	27	87	104	121	90,194	112	36,575
LEGGETT	_	74	106	115	31,003	112	28,811
SOURIS	—	—	—	140	1,023	130	11,543
JORDAN	_	—	102	129	13,161	114	10,810
AC ASSINIBOIA	27	79	100	112	15,135	111	4,658
PINNACLE	35	93	109	109	7,482	113	4,538
RIEL	30	70	99	118	4,600	107	3,023
TRIACTOR	_	—	—	_	_	133	2,275
CDC DANCER	_	88	101	126	3,308	127	1,803
JERRY	40	87	99	118	1,378	104	665
WEIGHTED AVERAGE YIELI	D AND T	OTAL AG	CREAGE	§		114.7	149,786

FLAX YIELDS BY VARI	ETY 20	05–200	9†			RISK A	REA 12
	2005	2006	2007	2008	2008	2009	2009‡
Variety							Acres
CDC BETHUNE	5	17	21	29	24,100	24	37,211
HANLEY	6	17	25	26	10,628	25	15,459
CDC SORREL	_	—	21	26	1,862	27	5,406
PRAIRIE BLUE	—	19	24	27	2,040	30	1,446
AC LINORA	7	17	_	—	_	28	1,312
LIGHTNING	12	21	27	29	2,626	27	1,078
PRAIRIE THUNDER	_	_	_	—	_	28	966
AC CARNDUFF	8	13	23	30	740	24	920
AC EMERSON	3	19	_	24	778	28	748
TAURUS	6	17	19	28	575	27	673
NORLIN	_	10	_	—	_	20	518
WEIGHTED AVERAGE YIEL	D AND T	otal a(CREAGE	§ .		24.6	67,237

CORN YIELDS BY VARIETY 2005–2009† RISK AREA 12									
	2005	2006	2007	2008	2008	2009	2009‡		
Variety	Yield	Yield	Yield	Yield	Acres	Yield	Acres		
PIONEER 39D97 (BT)(LT)(RT) —	—	130	132	25,591	n/a	n/a		
PIONEER 39B94 (BT)(LT)(RT) —	—	—	132	21,768	n/a	n/a		
DEKALB DKC26-79 (RT)	70	116	127	126	16,956	n/a	n/a		
PIONEER 39B96 (BT)(LT)	—	—	135	131	12,010	n/a	n/a		
PIONEER 39M27 (BT)	70	118	127	118	8,179	n/a	n/a		
PIONEER 39B90 (RT)	—	—	—	130	7,445	n/a	n/a		
PIONEER 39D95 (RT)	—	_	134	132	7,031	n/a	n/a		
PIONEER 39B93	—	98	133	122	3,805	n/a	n/a		
DEKALB DKC26-78 (RT)	—	116	126	127	2,362	n/a	n/a		
HYLAND HL R208 (RT)	—	—	124	116	2,296	n/a	n/a		
PIONEER 39F60 (BT)(RT)	—	—	139	124	2,161	n/a	n/a		
FRASER CPL 229 (BT)(RT)	—	—	—	130	1,528	n/a	n/a		
PIONEER 39H83 (RT)	89	131	145	128	1,488	n/a	n/a		
PIONEER 39B63 (BT)(LT)	—	—	—	120	1,372	n/a	n/a		
ELITE 20T18 (RT)	_	_	_	130	1,339	n/a	n/a		
PIONEER 39B64 (RT)	—	—	—	110	923	n/a	n/a		

‡ On system as of January 11, 2010;
* Assuming 48 lbs./bu.

Management Control Plus



	OUT Oa Heavier • Earlie Manitoba O	ats er	Seed Depot
John M. Smith	Seed Depot	825 2000	
Agassiz Seed Farm Ltd.	Homewood, MB	745-2868	
Bergen Seed Farm	Sanford, MB	736-2278	Highest Yielding Oat in
Boissevain Select Seeds	Boissevain, MB	534 6846	Yield MB 2009
Clearview Acres	Virden, MB	748-2666	(MB Crop Ins. Real Farm Yields)
Court Seeds	Plumas, MB	386-2354 267 2363	Shortest Oat on the Market!
Darcey Miller Durand Seeds Inc	Oakville, MB Notre Dame, MB	267 2303	• Shortest Oat on the market!
Filis Seeds	Wawanesa, MB	240 2200	
ENS Farm I td.	Winkler, MB	325 4658	Heaviest test weight
Fisher Seeds	Dauphin, MB	622 8800	with smaller seed
Friesen Seeds Ltd.	Morris, MB	746 8325	 Earliest – 3-4 days earlier
Gagnon Seed Service	Ste. Rose Dulac, MB	447-2118	than Ronald or Leggett
Hulme Agri Products Inc.	MacGregor, MB	685-2627	
Manness Seeds	Domain, MB	736 2822	Best crown rust resistance
Nadeau Reliable Seed Service	Fannystelle, MB	436 2469	 resistant to stem rust
Pedigreed By Penner	Lowe Farm, MB	829 3556	 resistant to loose and
Pitura Seed Service Shanawan Farms I td.	Domain, MB Domain, MB	736 2849 736-2951	covered smut
Smith Seeds	Crystal City, MB	873 2248	
Smin Seeds Swan Valley Seeds	Swan River, MB	734 2526	1
Triple "S" Seeds	Grandview, MB	546-2590	
Wilson Seeds Ltd.	Darlingford, MB	246-2388	
		E	

CORN YIELDS BY VARIETY 2005–2009† RISK AREA 12										
	2005	2006	2007	2008	2008	2009	2009‡			
Variety							Acres			
PIONEER 39F57 (RT)	—	—	—	115	821	n/a	n/a			
DEKALB DKC27-45 (RT)	—	—	—	129	804	n/a	n/a			
PIONEER 39H86 (BT)(LT)(R	T) —	_	_	127	744	n/a	n/a			
HYLAND HL 2093	83	122	124	120	722	n/a	n/a			
LEGAND LS5875	_	_	_	136	612	n/a	n/a			
PIONEER 39M26 (RT)	—	_	112	109	593	n/a	n/a			
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES n/a¶										

SUNFLOWER YIELDS BY VARIETY 2005–2009† RISK AREA 12											
	2005	2006	2007	2008	2008	2009	2009‡				
Variety							Acres				
SEEDS2000 6946 (C)	635	2,255	1,470	1,651	22,693	1,360	16,637				
SEEDS2000 JAGUAR (C)(ST)	—	—	—	1,186	5,084	904	6,286				
SEEDS2000 PANTHER (C)	_	_	_	1,133	520	1,268	6,012				
PIONEER 63M80 (0)	959	2,447	1,687	1,839	7,450	1,124	3,795				
SEEDS2000 COUGAR (C)	664	1,933	1,102	1,129	594	1,065	3,032				
IS 8048 (C)	—	—	—	_	—	437	1,773				
INTERSTATE IS 8048 (C)	377	2,092	1,296	1,246	1,334	538	1,132				
SEEDS2000 DEFENDER PLUS	S (0)-	-2,447	1,444	1,687	2,409	1,376	1,017				
SEEDS2000 PANTHER DMR	(C)—	_	_	_	_	1,517	992				
DEKALB DKF34-80 CL (0)(CI	_) —	—	—	_	_	736	932				
MYCOGEN 8N270 (0)	_	_	_	1,521	655	1,442	860				
CROPLAN GENETICS IS 8135	5 (C)-		1,612	1,354	865	1,210	642				
IS 6131 NS/DM (0)	_	_	_	_	_	388	603				
CHS RH 1121 (C)	—	—	—	1,649	1,809	1,023	579				
PIONEER 63M40 (0)	_	_	_	_	_	1,186	560				
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§ 1135.4											

DRY BEAN YIELDS BY VARIETY 2005-2009 WINDBREAKER (PINTO) 1,964 2.172 12,273 1,737 25,094 MAVERICK (PINTO) 714 1,867 1,859 2.075 12,204 1,464 11,885 ECLIPSE (BLACK) 2,088 1,911 5,855 1,504 6,698 AC PINTOBA (PINTO) 1,684 571 1,700 1,911 1,971 5,417 4.912 PINK PANTHER (KIDNEY) 251 1,689 1,409 1,739 2,967 1,554 3,711 ENVOY (WHITE PEA) 1.235 3.401 529 1.642 1.795 1.574 4.509 T9903 (WHITE PEA) - 1,942 1,810 1,609 9,058 1,792 2.656 LA PAZ (PINTO) 1,623 2,030 AC OLE (PINTO) 928 1,911 1,603 2.299 2.954 1,801 1,727 CDC JET (BLACK) 1,680 1,583 1,961 1,590 1,504 BUSTER (PINTO) 2 163 2 222 1,654 1 455 1 1 3 5 _ ROG 802 (KIDNEY) 165 1,475 1,265 1,283 1,103 BLACK VIOLET (BLACK) 1.883 799 1,378 1.028 2,099 BERYL (OTHER) _ - 1,892 1.158 1.764 885 CARGO (WHITE PEA) 152 1,664 1,493 1,711 845 1,327 847 VM 353 (WHITE PEA) 845 1.091 AC CRUISER (WHITE PEA) 739 1,801 1,761 1.936 1,261 1,548 718 ROG 331 (WHITE PEA) 322 1,781 1,695 1,847 995 1,378 600 TOPAZ (PINTO) 1,294 547 WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§ 1584.3 75,988



David James, President

Box 16 Group 620 S.S. 6 Winnipeg, Manitoba Canada R2C 2Z3 Phone 1.204.222.8785 • Toll Free 1.866.283.8785 Fax 1.204.222.0076 • E-mail djames@jamesfarms.com

† Yields only for those varieties grown on more than 500 acres and by more than 2 growers; § Weighted Average Yield and Total Acreage include acres not reported in the table.

PEA YIELDS BY VARIETY 2005–2009† RISK AREA 12												
2005	2006	2007	2008	2008	2009	2009‡						
_	—	44	46	771	38	1,091						
TED AVERAGE YIELD AND TOTAL ACREAGE§ 40.8 2,490												
	2005 Yield	2005 2006 Yield Yield	2005 2006 2007 Yield Yield Yield 44	2005 2006 2007 2008 Yield Yield Yield Yield 44 46	2005 2006 2007 2008 2008 Yield Yield Yield Yield Acres -44 46 771	2005 2006 2007 2008 2008 2009 Yield Yield Yield Yield Acres Yield 44 46 771 38						

42

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17 218

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14

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15,367

12.776

9 5 1 6

7,240

2,370

2 302

2.188

1,146

981

777

601

513

61,824

FIELD

CDC ST

5440 (LT)

9590 (LT)

5020 (LT)

5030 (LT)

8440 (LT)

1144

43H57

45P70 (ST)

9553 (RT)

71-45RR (RT)

45H28 (RT)

1818 (RT)

RISK AREA 14

CANOLA YIELDS BY VARIETY 2005-2009

WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES

WHEAT YIELDS BY VARIETY 2005-2009†

10 42

15 44

CDC FALCON (W) 71 61 70 31,604 49 13,299 AC BARRIE (RS) 17 44 24 37 11,950 29 9,18 AC DOMAIN (RS) 16 50 27 45 10,004 27 8,08 KANE (RS) 32 8,08 5602HR (RS) 41 2,402 29 4,711 MCKENZIE (RS) 23 52 39 47 2,769 31 4,093 GLENN (RS) 43 3,744 5601HR (RS) 9 56 36 48 1,623 41 2,522 SUPERB (RS) 16 45 20 40 4,309 28 733								
AC BARRIE (RS) 17 44 24 37 11,950 29 9,18 AC DOMAIN (RS) 16 50 27 45 10,004 27 8,08 KANE (RS) — — — — 32 8,08 5602HR (RS) — — — 41 2,402 29 4,711 MCKENZIE (RS) 23 52 39 47 2,769 31 4,093 GLENN (RS) — — — — 43 3,744 5601HR (RS) 9 56 36 48 1,623 41 2,522 SUPERB (RS) 16 45 20 40 4,309 28 73	Variety							
AC DOMAIN (RS) 16 50 27 45 10,004 27 8,083 KANE (RS) 32 8,083 5602HR (RS) 41 2,402 29 4,711 MCKENZIE (RS) 23 52 39 47 2,769 31 4,093 GLENN (RS) 43 3,744 5601HR (RS) 9 56 36 48 1,623 41 2,522 SUPERB (RS) 16 45 20 40 4,309 28 733	CDC FALCON (W)	_	71	61	70	31,604	49	13,299
KANE (RS) — — — — 32 8,08 5602HR (RS) — — — 41 2,402 29 4,711 MCKENZIE (RS) 23 52 39 47 2,769 31 4,093 GLENN (RS) — — — — — 43 3,741 5601HR (RS) 9 56 36 48 1,623 41 2,522 SUPERB (RS) 16 45 20 40 4,309 28 733	AC BARRIE (RS)	17	44	24	37	11,950	29	9,184
5602HR (RS) 41 2,402 29 4,711 MCKENZIE (RS) 23 52 39 47 2,769 31 4,093 GLENN (RS) 43 3,744 5601HR (RS) 9 56 36 48 1,623 41 2,523 SUPERB (RS) 16 45 20 40 4,309 28 733	AC DOMAIN (RS)	16	50	27	45	10,004	27	8,085
MCKENZIE (RS) 23 52 39 47 2,769 31 4,093 GLENN (RS) 43 3,744 5601HR (RS) 9 56 36 48 1,623 41 2,523 SUPERB (RS) 16 45 20 40 4,309 28 733	KANE (RS)	—	—	—	—	—	32	8,081
GLENN (RS) — — — — 43 3,74 5601HR (RS) 9 56 36 48 1,623 41 2,523 SUPERB (RS) 16 45 20 40 4,309 28 733	5602HR (RS)	_	_	_	41	2,402	29	4,719
5601HR (RS) 9 56 36 48 1,623 41 2,523 SUPERB (RS) 16 45 20 40 4,309 28 733	MCKENZIE (RS)	23	52	39	47	2,769	31	4,093
SUPERB (RS) 16 45 20 40 4,309 28 73	GLENN (RS)	—	_	—	_	_	43	3,745
	5601HR (RS)	9	56	36	48	1,623	41	2,522
AC CADILLAC (RS) 23 46 27 42 882 30 54	SUPERB (RS)	16	45	20	40	4,309	28	734
	AC CADILLAC (RS)	23	46	27	42	882	30	547
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§ 35.6 57,120	57,126							

BARLEY* YIELDS BY V	ARIETY						
							2009‡
Variety							Acres
CONLON	20	77	36	68	6,951	55	6,553
ROBUST	10	63	24	53	3,187	49	1,533
TRADITION	_	_	50	56	641	44	1,220
WEIGHTED AVERAGE YIELI	51.4	10,291					

SOYBEAN YIELDS BY VARIETY 2005 LS 0036RR (RT) 42 44 33 10,192 24 10,161 NSC WARREN RR (RT) 31 1,988 17 9,422 BR BOSCO (BT) 36 25 7 006 5,705 33 21 **NSC PORTAGE RR (RT)** 32 2,456 22 5,026 24-52R (RT) 25 3,725 **GENTI EMAN** 24 37 32 5 131 3.170 37 29 90A06 (RT) 32 3,232 22 3,093 90A01 22 539 21 2,365 OAC PRUDENCE 27 2.283 36 32 31 2 568 26 LS 0028RR (RT) _ ____ _ ____ _ 22 1,976 DK 25-04R (RT) 19 1,696 MONTCALM (RT) 23 4,863 18 1,430 _ 90M01 (RT) 36 22 26 2,130 816 THUNDER 27005RR (RT) _ 32 742 20 806 29 29 ACCORD 35 24 34 1,700 653 WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES 22.3 55,943

OAT YIELDS BY VARIETY 2005–2009† RISK AREA 14									
							2009‡		
Variety							Acres		
FURLONG	—	103	66	96	12,036	69	8,373		
RONALD	32	78	59	83	12,375	64	4,773		
AC ASSINIBOIA	29	76	45	70	7,218	65	2,569		
JORDAN	—	_	—	99	1,737	53	1,623		
LEGGETT	_	_	57	91	3,384	73	1,251		
ROBERT	—	—	57	64	1,428	28	858		
CDC DANCER	_	_	86	101	873	72	512		
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§ 65.8 21,317									

On system as of January 11, 2010; Assuming 48 lbs./bu.

‡

Management

Insufficient yield data available at time of publication

FLAX YIELDS BY VARIETY 2005–2009† RISK AREA 14									
							2009‡		
Variety							Acres		
CDC BETHUNE	5	19	16	20	2,379	18	1,752		
HANLEY	6	—	22	21	1,225	18	1,187		
PRAIRIE BLUE WEIGHTED AVERAGE YIELI	13 17.3	642 4,005							

CORN YIELDS BY VARIETY 2005–2009† RISK AREA 14									
							2009‡		
Variety							Acres		
PIONEER 39D97 (BT)(LT)(R	T) —	_	147	137	3,109	n/a	n/a		
DEKALB DKC26-79 (RT)	—	84	81	110	3,017	n/a	n/a		
PIONEER 39D95 (RT)	_	—	_	101	2,870	n/a	n/a		
PIONEER 39B94 (BT)(LT)(RT	Г) —	—	—	129	1,755	n/a	n/a		
PIONEER 39B90 (RT)	—	_	—	97	1,220	n/a	n/a		
PIONEER 39B93	_	_	122	96	983	n/a	n/a		
DEKALB DKC26-78 (RT)	35	_	92	101	759	n/a	n/a		
PIONEER 39M26 (RT)	—	—	78	69	712	n/a	n/a		
PIONEER 39B96 (BT)(LT)	_	_	_	120	501	n/a	n/a		
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES n/a¶ n									

SUNFLOWER YIELDS BY VARIETY 2005–2009† RISK AREA 14									
							2009‡		
Variety							Acres		
SEEDS2000 6946 (C)	—	2,533	1,482	1,146	1,551	664	1,010		
PIONEER 63M80 (0)	—	—	—	1,118	1,160	950	615		
WEIGHTED AVERAGE YIEL		578.1	2,752						

CANOLA YIELDS BY VARIETY 2005–2009† RISK AREA 15										
	2005	2006	2007	2008	2008	2009	2009‡			
Variety	Yield	Yield	Yield	Yield	Acres	Yield	Acres			
5440 (LT)	_	_	—	25	5,666	29	5,916			
45H28 (RT)	—	—	—	—	—	19	3,671			
8440 (LT)	—	—	_	35	3,519	24	3,513			
PIONEER 45S51 (RT)	—	—	—	_	—	21	3,236			
9590 (LT)	_	_	31	22	9,672	25	2,305			
5020 (LT)	22	34	26	22	14,920	24	1,927			
45H26 (RT)	_	_	30	28	10,423	25	1,492			
9553 (RT)	—	—	—	_	—	25	1,229			
71-45RR (RT)	_	_	29	16	570	17	1,184			
5030 (LT)	19	39	27	25	6,314	27	990			
D3150 (RT)	_	_	_	_	_	13	803			
32-75 (RT)	_	—	—	—	—	8	762			
WEIGHTED AVERAGE YIEL	WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§									

WHEAT YIELDS BY VARIETY 2005–2009† RISK AREA 15									
	2009	2009‡							
Variety	Yield	Yield	Yield	Yield	Acres	Yield	Acres		
KANE (RS)	_	_	_	_	_	21	7,150		
AC BARRIE (RS)	26	36	39	24	20,927	27	6,342		
GLENN (RS)	_	_	_	_	_	17	2,847		
AC DOMAIN (RS)	32	37	39	22	8,292	28	2,320		
5602HR (RS)	_	47	48	26	16,509	26	1,878		
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§ 23.4 21,									

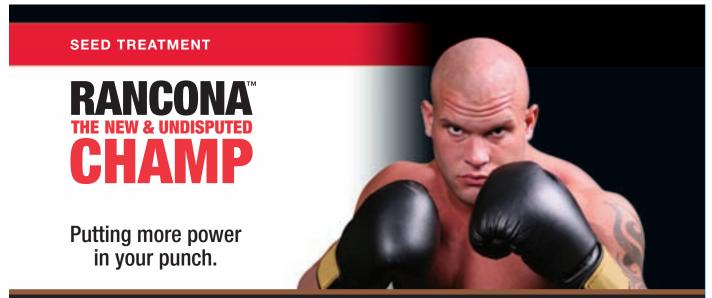
† Yields only for those varieties grown on more than 500 acres and by more than 2 growers;

§ Weighted Average Yield and Total Acreage include acres not reported in the table.

¶ Insufficient yield data available at time of publication

On system as of January 11, 2010;
* Assuming 48 lbs./bu.

Management



100

WHEAT YIELD	BARLEY YIELD
Rancona™ Apex	Rancona™ Apex
Raxil®	Raxil®
Dividend [®] XL	Dividend [®] XL
Untreated Seed	Untreated Seed
50 52 54 56 Bushels/acre	58 60 70 76 82 88 94 Bushels/acre

Summary of 9 barley and 15 wheat trials conducted by independent researchers under high disease pressure.

The fight for a better yield ends now! Rancona is the seed treatment to take on all comers. Takes out True Loose Smut. Makes seed and soil borne Fusarium bite the dust. With outstanding performance in all cereal crops, it's the one, the only, the champ.

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BARLEY* YIELDS BY V		/ 2005-	-2009†			RISK A	REA 15
	2005	2006	2007	2008	2008	2009	2009‡
Variety	Yield	Yield	Yield	Yield	Acres	Yield	Acres
CONLON	33	54	54	25	5,152	22	2,821
NEWDALE	28	63	57	32	3,939	22	1,510
CDC COWBOY	—	—	—	—	—	62	832
TRADITION	—	—	—	42	1,421	60	781
ROBUST	29	40	50	17	1,852	39	530
WEIGHTED AVERAGE YIELI	34.2	8,200					

SOYBEAN YIELDS BY	VARIET	Y 2005	-2009†			RISK A	REA 15
	2005	2006	2007	2008	2008	2009	2009‡
Variety	Yield	Yield	Yield	Yield	Acres	Yield	Acres
90A06 (RT)	—	—	—	—	—	9	735
WEIGHTED AVERAGE YIEL	13.0	1,603					

OAT YIELDS BY VARIETY 2005–2009† RISK AREA									
	2005	2006	2007	2008	2008	2009	2009‡		
Variety	Yield	Yield	Yield	Yield	Acres	Yield	Acres		
PINNACLE	71	90	97	50	13,309	60	4,061		
CDC DANCER	—	—	96	75	1,471	103	1,203		
FURLONG	_	_	_	34	817	31	898		
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES							8,559		

FLAX YIELDS BY VARIETY 2005–2009† RISK AREA 15								
	2009	2009‡						
Variety	Yield	Yield	Yield	Yield	Acres	Yield	Acres	
HANLEY	16	12	17	15	2,779	16	669	
WEIGHTED AVERAGE YIEL	13.4	2,127						

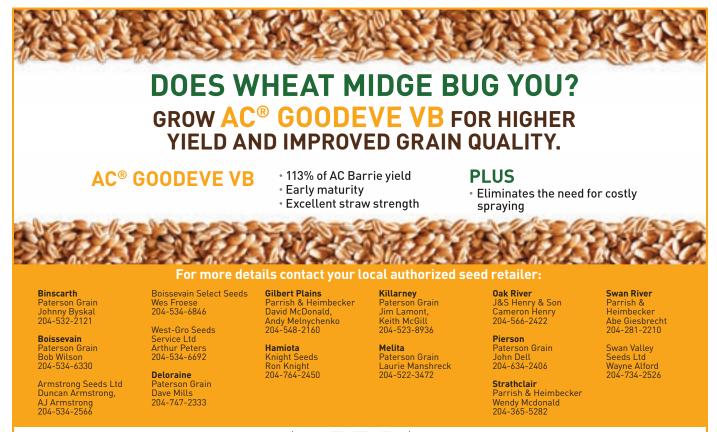
† Yields only for those varieties grown on more than 500 acres and by more than 2 growers;

§ Weighted Average Yield and Total Acreage include acres not reported in the table.
 ¶ Insufficient yield data available at time of publication

CANOLA YIELDS BY VARIETY 2005–2009† RISK A								
	2005	2006	2007	2008	2008	2009	2009‡	
		Yield	Yield	Yield		Yield		
5440 (LT)	—	—	_	39	1,016	44	6,187	
5020 (LT)	27	35	18	40	6,799	37	4,551	
8440 (LT)	_	_	_	42	1,727	43	3,441	
1141 (LT)	—	_	—	_	_	40	2,132	
RED RIVER 1826 (RT)	_	_	_	_	_	39	1,460	
9553 (RT)	—	_	—	_	_	36	688	
WEIGHTED AVERAGE YIELI	41.5	22,479						

WHEAT YIELDS BY VARIETY 2005–2009† RISK AREA 16									
	2005	2006	2007	2008	2008	2009	2009‡		
Variety	Yield	Yield	Yield	Yield	Acres	Yield	Acres		
HARVEST (RS)	41	44	25	53	8,990	54	10,914		
AC DOMAIN (RS)	30	43	27	51	4,485	54	3,178		
INFINITY (RS)	_	_	_	63	1,589	67	2,310		
WEIGHTED AVERAGE YIEL	D AND T	OTAL A	CREAGE	S	,	55.3	17.085		
BARLEY* YIELDS BY VARIETY 2005–2009† RISK AREA									
	2005	2006	2007	2008	2008	2009	2009‡		
Variety		Yield	Yield	Yield		Yield	Acres		
EXCEL	58	59	18	81	654	70	578		
WEIGHTED AVERAGE YIEL	D AND T	OTAL A	CREAGE	ş		74.2	1.197		
		-		, 			, -		
FLAX YIELDS BY VARI	ETY 20	05–200	9†			RISK A	REA 16		
	2005	2006	2007	2008	2008	2009	2009‡		
Variety		Yield	Yield	Yield		Yield	Acres		
AC WATSON	_	_	_	32	637	22	567		
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§ 27.9 970									

On system as of January 11, 2010; Assuming 48 lbs./bu. Management Research Plus



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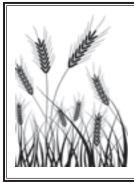
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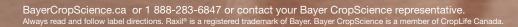
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