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A beautiful harvest and a bumper crop

Overall, things couldn't have gone much better, and Manitoba farmers deserved it after the 'Harvest from Hell' in 2019

By Allan Dawson, Manitoba Co-operator staff

Twelve out of 13 isn't bad. And 13 wasn't bad either. Of 13 insured crops in Manitoba in 2020, only canola didn't yield higher than in 2019, but at 43 bushels per acre, it still beat the 10-year average of 38. Flax and sunflowers set new records, as did field peas for the second year in a row.

This analysis is based on 99 per cent of crop yields reported by Manitoba farmers enrolled in AgriInsurance having been compiled as of Jan. 6 by the Manitoba Agricultural Services Corporation (MASC).

Not only were yields generally good, so were harvest conditions, in sharp contrast to 2019 when September rains followed by a Thanksgiving snowstorm delayed threshing and cut quality and yields. More than 417,000 acres planted in 2019 didn't get either harvested or destroyed until sometime in 2020.

However, 2019's 'Harvest from Hell' had a silver lining.

"The precipitation in the fall (of 2019) really did give us the moisture we needed to carry us through the season," Manitoba Agriculture and Resource Development's (MARD) meteorology specialist Timi Ojo said in an interview. (See Soil Moisture — Fall 2019 map)

In contrast to this time last year, Manitoba farmers are praying for precipitation between now and spring. MARD's maps show most areas are short of moisture. (See Soil Moisture — Fall 2020 map)

While many parts of agro-Manitoba didn't have a lot of snow as of early January, spring rains can be as

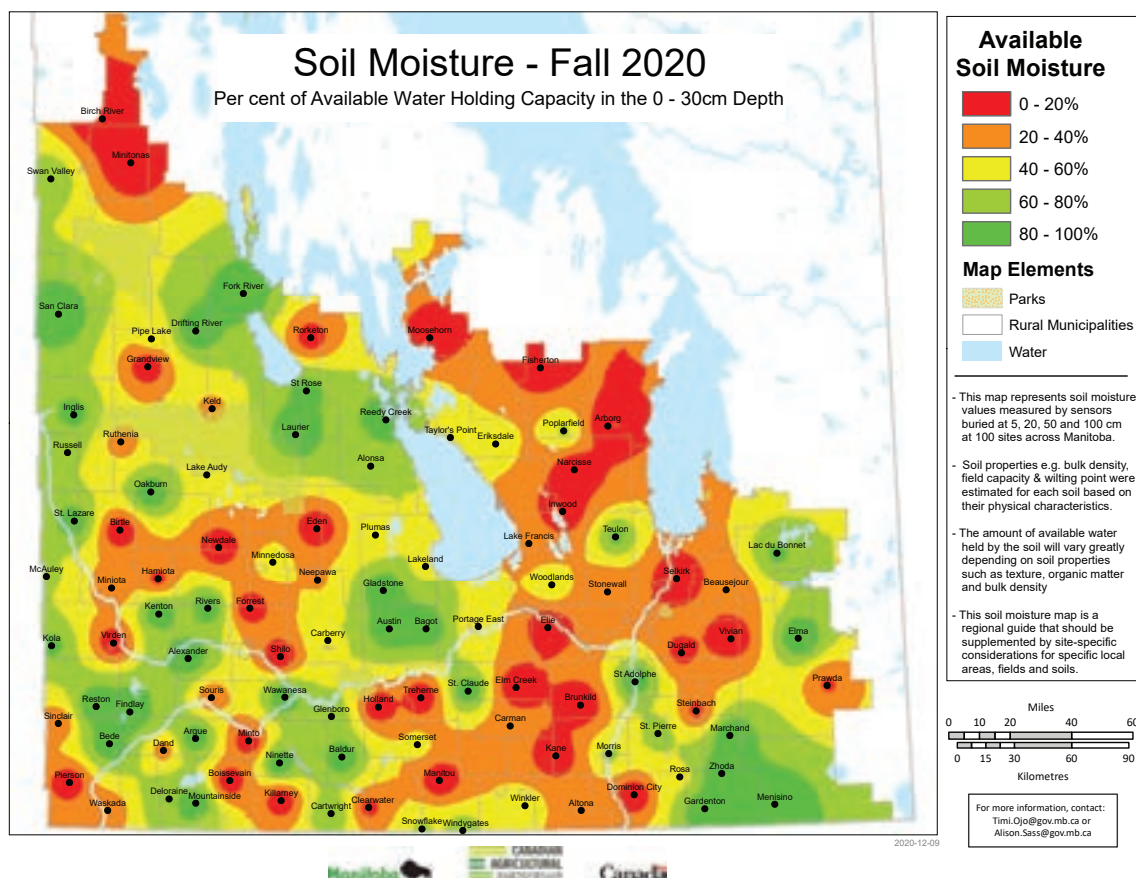
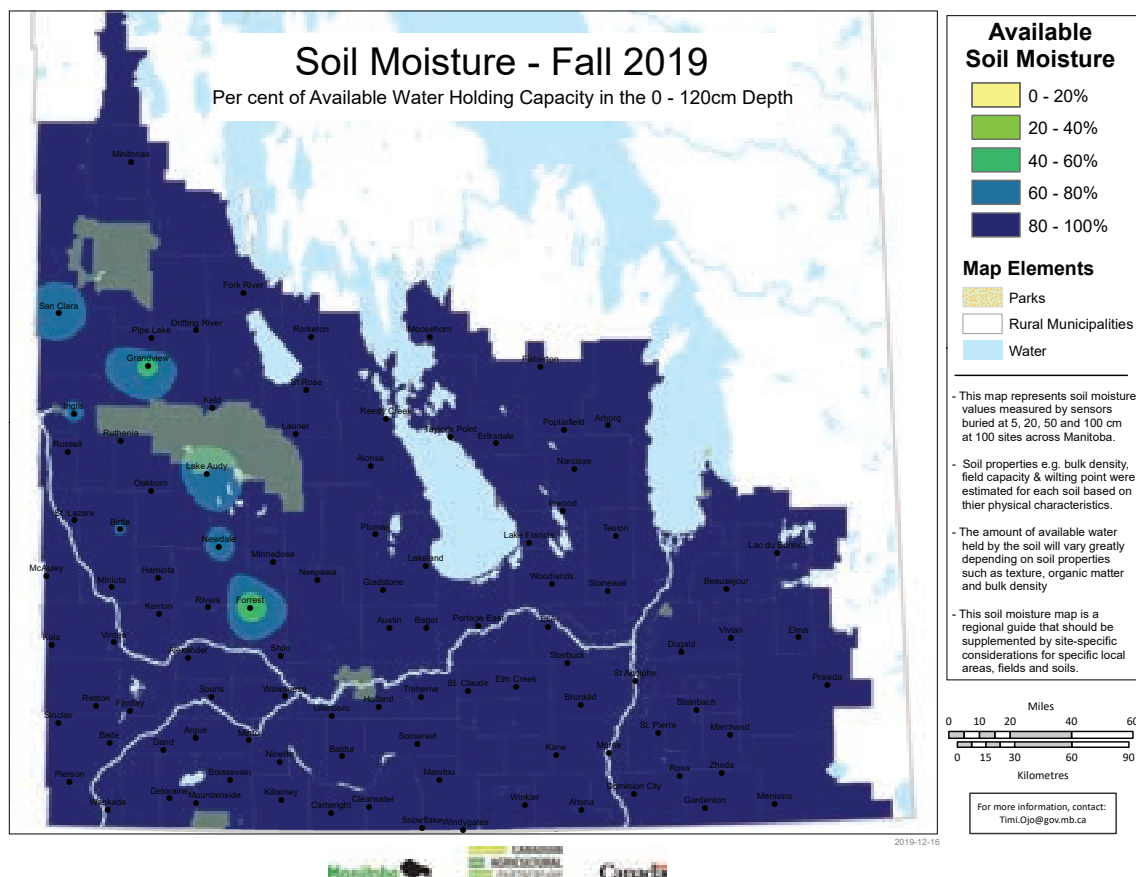
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TABLE 1: 2020 YIELDS OF SELECTED INSURED MANITOBA CROPS

Crop	2020 yield bushels/acre	2019 yield bushels/acre	% change	10- year average	% difference	New record in 2020	Previous record yield	Year of previous record
Argentine Canola	43	43	0	38	13	No	47	2017
Red Spring Wheat	64	59	8	54	18	No	67	2017
Winter Wheat	64	58	10	63	2	No	72	2016
Northern Hard Red Wheat	76	66	17	70	9	No	81	2017
Soybeans	38	28	36	34	12	No	42	2016
Barley	82	78	6	67	22	No	87	2017
Oats	120	100	20	97	24	No	128	2017
Grain Corn	130	123	7	122	7	No	146	2016
Field Peas	57	53	8	42	36	Yes	53	2017, 2019
Flax	32	23	39	20	60	Yes	29	2017
White Pea Beans	1,872 lbs/acre	1,195 lbs/acre	6	1,693	11	No	2,214	2013
Non-oil Sunflowers	2,336 lbs/acre	1,926 lbs/acre	21	1,572	49	Yes	2,217	2017
Oil Sunflowers	2,335 lbs/acre	2,000 lbs/acre	17	1,756	33	Yes	2,097	2017

Source: Manitoba Agricultural Services Corporation (MASC) and necessary calculations

This table is based on a tally of 99 per cent of insured farmers' yields as of Jan. 6, 2021. Final figures could be slightly different. Figures do not include insured pedigreed seed or organic crops.



effective or more so in recharging soil moisture, Ojo said. The benefit from snow moisture will depend on how it melts — water runs off if the soil is still frozen. Snow moisture can also be lost through sublimation — conversion directly into a gas, Ojo said.

While above-average or record yields suggest Manitoba farmers enjoyed generally good weather in 2020, MARD ag meteorologist Alison Sass summed it up as “pretty variable.”

Most of agro-Manitoba enjoyed close-to-normal growing degree days, but precipitation varied widely. Many areas received below-average rainfall during most of the growing season, while the southeast corner, including Sprague and Gardenton, in June received excessive rains that flooded fields and some homes. Areas north of Brandon were also flooded in late June and early July.

Ojo noted that other than those two major rainfalls, there were few if any general rains province-wide, but crops took advantage of patchy rains and residual soil moisture.

Anecdotally, some farmers also believe heavy dews in combination with well-timed rains and favourable temperatures were key to 2020’s bumper crop.

Spring 2020 started off generally cooler, drier and windier than normal.

The windiest spring since 1990, alone and in combination with other perils, saw a jump in crop insurance reseeded claims.

As of June 18, there were just under 1,100 reseeded claims representing 264,000 acres, David Koroscil, MASC’s manager of claim services, said in June. “Of that almost 200,000 (acres) is canola,” Koroscil said. “That’ll tell you it (the perils) will be... flea beetles, wind and crusting.”

Farmers, especially in western Manitoba, got a scare early in September. Freezing temperatures ranging from -1 to -5 C were recorded across the region overnight starting Sept. 7 into the morning of Sept. 8.

CROP HIGHLIGHTS

- **SOYBEANS:** 38 bushels per acre, 36 per cent over 2019 and 12 per cent over the 10-year average.

“It was kind of what I was expecting — 38 to 40 (bushels an acre) somewhere in that range,” MARD’s pulse crop specialist Dennis Lange said in an interview. “There were some dry areas. In 2016 when we had that 42 bushels to the acre July and August were fairly moist — in some areas too much — but they had enough moisture to carry things through.”

MASC data show Sunna Rx2 averaged 51 bushels an acre on 600 acres in Montcalm municipality but



PHOTOS: ISTOCK/FOTOKOSTIC

soybeans averaged just 18 bushels an acre in Coldwell in the Interlake.

The most-grown insured soybean variety province-wide was S007 averaging 44 bushels an acre on almost 42,000 acres.

“I think we’re about where we should be for some of these lines (with yield),” Lange said. “There’s a limit to yield potential on some of these based on growing conditions and variety selection. We’ve had the 40s and 50s and that’s great, but with the average we’re looking at 38... I think that’s good.”

Soybeans’ success in 2020 is likely to see a rebound in acreage in 2021. Lange guesses in 2021 insured soybean plantings could jump 30 to 40 per cent to 1.3 to 1.4 million acres.

- **PEAS:** A new record of 57 bushels an acre. Area jumped 47 per cent to 145,487 acres.

The record yield was a bit of a surprise, Lange said. “That’s just wonderful for the growers that grew it... and the quality was good. I thought it would be a little less than last year because last year we had a record... There were some big yields out west, especially in that Swan River area... and they grew a lot of acres so that really pushes the average up. That’s a good thing for acres moving forward.”

All insured pea varieties in Boissevain-Morton averaged a whopping 72 bushels on almost 2,000 acres. The most-planted variety, AAC Carver, averaged 58 bushels an acre on almost 43,000 acres.

TABLE 2: SUMMARY OF BEST AND WORST 2020 YIELDS FOR SELECTED INSURED MANITOBA CROPS

Crop	2020 yield bushels per acre	Variety	Rural Municipality	Acres	Percentage share
RED SPRING WHEAT					
Highest average yielding variety province-wide	77	CDC GO	Province-wide	2,336	0.11
Highest average yielding variety in a municipality	84	Glenn	Lac du Bonnet	1,511	15
Highest average yield by municipality	74	All varieties	Minitonas-Bowsman	48,339	100
Lowest average yield by municipality	28	All varieties	St. Laurent	871	100
Highest acre variety province-wide	66	AAC Brandon	Province-wide	1.59 million	62
WINTER WHEAT					
Highest average yielding variety province-wide	70	AAC Wildfire	Province-wide	1,322	5
Highest average yielding variety in a municipality	66	AAC Elevate	Westlake-Gladstone	6,612	91
Highest average yield by municipality	86	All varieties	Macdonald	1,057	100
Lowest average yield by municipality	46	All varieties	Two Borders	547	100
Highest acre variety province-wide	65	AAC Elevate	Province-wide	9,497	36
NORTHERN HARD RED WHEAT					
Highest average yielding variety province-wide	77	Prosper	Province-wide	112,690	24
Highest average yielding variety in a municipality	102	Prosper	Tache	1,842	10
Highest average yield by municipality	88	All varieties (Faller)	Brokenhead	1,842	100
Lowest average yield by municipality	61	All varieties	Rockwood	5,095	100
Highest acre variety province-wide	76	Faller	Province-wide	112,690	79
ARGENTINE CANOLA					
Highest average yielding variety province-wide	49	5105 Brett Young	Provincial-wide	1,471	0.05
Highest average yielding variety in a municipality	63	L352C Invigor	Boissevain-Morton	549	1
Highest average yield by municipality	51	All varieties	Dufferin, Boissevain-	64,859	100
			Morton, Hillsburg-Roblin-	66,305	100
			Shell River	48,867	100
Lowest average yield by municipality	19	All varieties	Kelsey	22,188	100
Highest acre variety province-wide	44	L233 P Invigor	Province-wide	1.46 million	46
SOYBEANS					
Highest average yielding variety province-wide	44	S007 - A2XS Syngenta	Province-wide	1,606	0.15
Highest average yielding variety in a municipality	51	Sunna RX2 Brett Young	Montcalm	600	4
Highest average yield by municipality	46	All varieties	Argyle	3,204	100
Lowest average yield by municipality	18	All varieties	Coldwell	725	100
Highest acre variety province-wide	35	87003RX2 Thunder	Province-wide	41,931	4
BARLEY					
Highest average yielding variety province-wide	90	CDC Synergy	Province-wide	105,804	10
Highest average yielding variety in a municipality	116	CDC Austenson	Cartier	1,462	25
Highest average yield by municipality	108	All varieties	Macdonald	1,435	100
Lowest average yield by municipality	21	All varieties	Kelsey	1,998	100
Highest acre variety province-wide	88	CDC Austenson	Province-wide	105,804	31
OATS					
Highest average yielding variety province-wide	132	ORE3541M	Province-wide	45,439	8
Highest average yielding variety in a municipality	161	CS Camden	Headingley	12,091	40
Highest average yield by municipality	152	All varieties	Headingley	2,736	100
Lowest average yield by municipality	29	All varieties	Stuartburn	1,238	100
Highest acre variety province-wide	121	CS Camden	Province-wide	204,490	36
GRAIN CORN					
Highest average yielding variety province-wide	158	P8407AM Pioneer	Province-wide	1,759	0.64
Highest average yielding variety in a municipality	172	DKC35 - 88RIB Dekalb	Stanley	1,207	2
Highest average yield by municipality	162	All varieties	Stanley	13,124	100
Lowest average yield by municipality	83	All varieties	Two Borders	3,527	100
Highest acre variety province-wide	126	P7211AM Pioneer	Province-wide	44,063	16
FIELD PEAS					
Highest average yielding variety province-wide	69	CDC Saffron	Province-wide	2,453	2
Highest average yielding variety in a municipality	76	AAC Carver	Louise	1,909	47
Highest average yield by municipality	72	All varieties	Boissevain-Morton	1,971	100
Lowest average yield by municipality	34	All varieties	Oakview	2,849	100
Highest acre variety province-wide	58	AAC Carver	Province-wide	42,920	30
FLAX					
Highest average yielding variety province wide	39	Nulin VT 50 (Yellow)	Province-Wide	1,609	4
Highest average yielding variety in a municipality	43	CDC Glas	Louise	2,210	100
Highest average yield by municipality	43	All varieties	Louise	2,210	100
Lowest average yield by municipality	14	All varieties	Rockwood	749	100
Highest acre variety province-wide	36	CDC Glas	Province-wide	13,725	32
SUNFLOWERS (oil)					
Highest average yielding variety province wide	2,846 lbs/acre	P63ME80 PIONEER	Province-wide	529	0.87
Highest average yielding variety in a municipality	3,289 lbs/acre	P63ME70 PIONEER	Rosser	931	46
Highest average yield by municipality	2,900 lbs/acre	All varieties	Rosser	2,037	100
Lowest average yield by municipality	1,724 lbs/acre	All varieties	Riverdale	1,033	100
Highest acre variety province-wide	2,493 lbs/acre	P63ME70 PIONEER	Province-wide	25,778	42
WHITE PEA BEANS					
Highest average yielding variety province-wide	2,501 lbs/acre	Blizzard	Province-wide	602	1
Highest average yielding variety in a municipality	2,790 lbs/acre	T9905	Glenboro-South Cypress	1,157	60
Highest average yield by municipality	2,378 lbs/acre	All varieties	Thompson	1,336	100
Lowest average yield by municipality	1,721 lbs/acre	All varieties	Portage la Prairie	12,810	100
Highest acre variety province-wide	1,901 lbs/acre	T9905	Province-wide	9,743	53

Source: Manitoba Agricultural Services Corporation (MASC) and necessary calculations.

This table is based on a tally of 99 per cent of insured farmers' yields as of Jan. 6, 2021. Final figures could be slightly different. Figures do not include insured pedigreed seed or organic crops. To protect farmers' privacy MASC only makes public yield and variety information so long as it comes from at least three farmers and a minimum of 500 acres. That means some yields might have been higher and lower than reported here.

Insured field pea plantings in 2021 will likely increase following back-to-back record yields. Lange thinks they could jump 38 per cent to 200,000 acres, which would be almost triple the 10-year average.

• **CANOLA:** 43 bushels per acre, the same as 2019 and below the record 47 in 2017, but well above the 10-year average of 38.

Canola's problems in 2020 began with a stressful spring, Dane Froese, MARD's oilseed specialist said in an interview.

"It struggled early in the season despite looking good later on. That early stress does take the yield potential out of the crop."

A cool, dry spring saw canola struggle to emerge. After sitting in the cold soil for a week or more canola seedlings were repeatedly attacked by voracious flea beetles.

Still, the crop revived, some of it after being reseeded.

"Despite not getting a lot of rain we did have more rainfall in 2020 than we had in 2018 and 2019," Froese said. "That made a difference in growers' perceptions that canola should do better than it did. However, we had a stretch of very, very hot weather in the middle of July and that seemed to have really hurt a lot of the flowering potential in canola."

Heavy rains in late June in western Manitoba didn't help either. Higher yields on hilltops weren't enough to offset losses from drowned or stressed lower areas, Froese said.

• **FLAX:** 32 bushels an acre vs. the 2017 record of 29. Acreage, although still low at 45,450, was up 13 per cent from 2019 but well below the 10-year average of 110,000 acres.

The year was a good one for flax, Froese said.

"It likes it a little bit cooler and good access to moisture, but not saturated. Flax doesn't handle wet feet particularly well. And those conditions where it's a little bit drier but if it has adequate moisture it can perform very, very well. On heavy clay soils in particular where we see a lot of our flax grown... the soil holds on to moisture and flax tends to find that... that contributes to very high average yields."

Louise municipality had the highest average insured flax yield at 43 bushels an acre on 2,210 acres. CDC Glas was the most popular insured variety, grown on almost 14,000 acres, accounting for a third of flax plantings. It averaged 36 bushels an acre province-wide.

• **SUNFLOWERS:** Non-oil yields of 2,336 pounds per acre beat the 2017 record of 2,217. Oil yields of 2,335 pounds beat the 2017 record of 2,097.

The record yields were probably because sunflowers send their roots deep to get moisture and nutrients, Morgan Cott, agronomy extension specialist for Special Crops with the Manitoba Crop Alliance, said in an interview.

"That's what helped in 2019. They were finding the moisture when other crops were running dry because they go so darn deep."

TABLE 3: TOP MANITOBA INSURED GRAIN & OILSEED CROPS IN 2020

Rank	Crop	2020 acres	2019 acres	% change	Rank in 2019	10 year average	% change
1	Canola	3.4 million	3.1 million	10	1	3.1 million	10
2	Wheat (All Spring)	2.9 million	2.8 million	4	2	2.4 million	21
2	Red Spring Wheat	2.7 million	2.6 million	4	2	2.3 million	17
3	Soybeans	1.0 million	1.3 million	-23	3	1.3 million	-23
4	Oats	624,190	414,560	27	4	410,117	52
5	Barley	371,821	370,134	18	6	339,311	10
6	Grain Corn	306,544	242,161	-25	5	486,617	-37
7	Dry Edible Beans (All)	158,609	120,645	18	7	111,305	42
8	Field Peas	145,487	160,887	47	10	73,113	99
9	Northern Hard Red Wheat	135,583	112,684	-9	8	123,440	10
10	Silage Corn	130,726	78,843	13	9	75,693	73
11	Sunflowers (All)	90,341	29,134	44	12	74,711	21
TOTAL		9.3 million	9.0 million	3		8.5 million	9

Source: Manitoba Agricultural Services Corporation's (MASC) 2020 Seeded Acreage Report and 2019 Management Plus data. Figures do not include insured pedigreed seed or organic crops.

“Our insect pressure seemed to be down. I didn’t have to recommend a lot of insecticides or even fungicides. I’ve been scouting pretty hard for the past couple of years for disease pressure and last year (2019) was bad and this year (2020) didn’t seem to be.

That would improve yields obviously. It was such a weird year... they didn’t look great to start off. I am really, really impressed with how far they came along with these ridiculous yields. They must have held onto the water a little bit longer when they got it.”

Rosser municipality had the highest average yield for insured oil sunflowers at 2,900 pounds an acre on just over 2,000 acres. Rosser also had the highest-yielding oil sunflower variety, P63ME70 Pioneer, averaging 3,289 pounds from 931 acres.

• **GRAIN CORN:** 130 bushels per acre, seven per cent over 2019 and seven per cent over the 10-year average. Insured grain corn acres fell 25 per cent to almost 307,000 in 2020. The 10-year average is almost 467,000 acres.

“I’m impressed with the corn (yield) number,” Manitoba Crop Alliance’s Morgan Cott said. I wasn’t sure what it would be. You hear the lows and highs and don’t know about the happy medium.”

It was a good year for corn in Stanley municipality, where all varieties averaged 162 bushels an acre on 13,000 acres. In the same RM, DeKalb’s DKC35 averaged 172 bushels an acre on 1,207 acres.

Insured corn silage acres jumped 13 per cent to 131,000, which is 73 per cent higher than the 10-year average.

• **CANADA WESTERN RED SPRING WHEAT:** 64 bushels per acre, eight per cent over 2019 and nine per cent over the 10-year average. Insured acres were up four per cent to 2.9 million, 21 per cent above the 10-year average.

AAC Brandon was again the most popular insured red spring wheat, seeded on 1.6 million acres or 62 per cent of the 2020 total. It averaged 65 bushels an acre provide-wide.

Minitonas-Bowsman municipality in the northwest had the highest average red spring wheat (all varieties) yield of any municipality at 72 bushels an acre on more than 48,000 acres.

• **OATS:** 120 bushels per acre, 20 per cent over 2019 and 24 per cent over the 10-year average.

CS Camden was seeded on almost 205,000 acres, making up 36 per cent of the total for the province. It averaged 121 bushels an acre province-wide.

Headingley municipality had the highest average oat yield at 162 bushels an acre, and the highest-averaging variety, CS Camden, at 152 bushels an acre.

• **BARLEY:** 82 bushels per acre, five per cent over 2019 and 22 per cent over the 10-year average.

CDC Austenson, averaging 88 bushels per acre, was the most-planted variety at almost 106,000 acres representing a third of Manitoba’s total.

• **CANADIAN NORTHERN HARD RED SPRING WHEAT:** 76 bushels per acre, up 18 per cent over 2019 and nine per cent over the 10-year average.

CNHR on average yielded 19 per cent better than red spring wheat but plantings declined nine per cent from 2019 to 136,000 acres. Faller, at 96,000 acres, accounted for 76 per cent of the total.

Brokenhead municipality had the highest average yield for northern hard red wheat at 88 bushels an acre on 829 acres. All of those acres were planted to Faller.

• **WINTER WHEAT:** Insured yields in 2020 averaged 64 bushels an acre — the same as red spring wheat and less than CNHR. Plantings were down 12 per cent to just 27,453 acres.

The highest average-yielding variety province-wide was AAC Wildfire at 70 bushels an acre on 1,300 acres, representing just five per cent of Manitoba’s insured winter wheat acres.

For more detail

For more information on how varieties performed across the province, you can log on to MASC’s Management Plus online Variety Yield Data Browser at www.masc.mb.ca/masc.nsf/mmpp_browser_variety.html

To protect farmers’ privacy the data is aggregated. Results related to yields and varieties at the municipal level are only made public if it comes from at least three farmers and exceeds 500 acres.

MASC extends winter wheat seeding deadlines

The new full-coverage period is from Aug. 15 to Sept. 25 and the extended coverage period is now Sept. 26 to 30

By Doug Wilcox, MASC (retired)

Some Manitoba producers are challenging the traditional seeding window for winter wheat, and recent research is giving them hope.

Changing cropping practices are making it difficult to sow winter wheat in the traditional fall seeding window. Most Manitoba producers sow winter wheat into canola stubble, which is increasingly becoming available later and later into the fall, partly

due to inclement weather but increasingly due to more acres of longer-season canola varieties and straight-combined fields. As a result, some winter wheat producers are just sowing fields later in the fall or choosing not to sow it at all.

Continued on page 13



Later harvesting of canola has meant fewer acres available for seeding winter wheat into stubble.

PHOTO: LAURA RANCE

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Despite recent advances in winter wheat winter hardiness and yields, there has been a reduction in winter wheat acres. The Manitoba Management Plus Program (MMPP) Variety Yield Data Browser indicates that 551,177 harvested acres of winter wheat were reported to Manitoba Agricultural Services Corporation (MASC) in 2012. In 2019 there were only 30,357 acres.

The difficulty of finding suitable canola stubble may have contributed to this reduction, but there are other possible explanations. Rotations in Manitoba often increasingly include acreages of longer-season crops like corn and soybeans, which are harvested later than traditional crops. These acres tend not to be available for winter wheat. It could also be that MASC's elimination of "Stage 1" coverage for winter wheat in 2014 has increased the production risk, so that less is sown. Alternatively, since market forces rule, it is likely that recent lower acreage is mainly the result of competition for acreage from other winter crops (e.g. perennial ryegrass, hybrid fall rye) and competition from ongoing higher yield and market demand for spring wheats.

EARLY VERSUS LATE SOWING

Winter wheat is distinct from spring wheat in that it can survive freezing temperatures for extended periods during the early vegetative stage. Additionally, it requires exposure to freezing temperatures to trigger the reproductive stage. Optimum winter survival, growth and yields are achieved when winter wheat is sown into stubble to trap snow and plants are at the three-leaf to one-tiller stage going into freeze-up. Over the winter the leaves and roots will die off but a healthy crown will regrow them the next spring.

Sowing winter wheat too early can promote excessive crown and vegetative growth before freeze-up, which can lead to loss of cold acclimation, increase the risk of winter injury and/or slow crop development in the spring. Larger plants can also use up moisture and nutrients and be at increased risk of diseases such as snow mould. Despite these risks, sowing early is generally preferable to sowing too late. Sowing too late may mean the young plants don't have enough time to undergo maximum cold acclimatization or become properly established with well-developed crowns and good energy reserves. Insufficient development can lead to increased winterkill and reduced crop stand and yields. Late sowing can also delay maturity date and harvest.

Because of the need for physiological changes to occur, temperature and time generally have more of an impact on winter wheat establishment than other factors such as soil moisture. This means it is generally more important to sow winter wheat close to the optimum date, and at the correct (shallow) depth, regardless of soil moisture conditions.

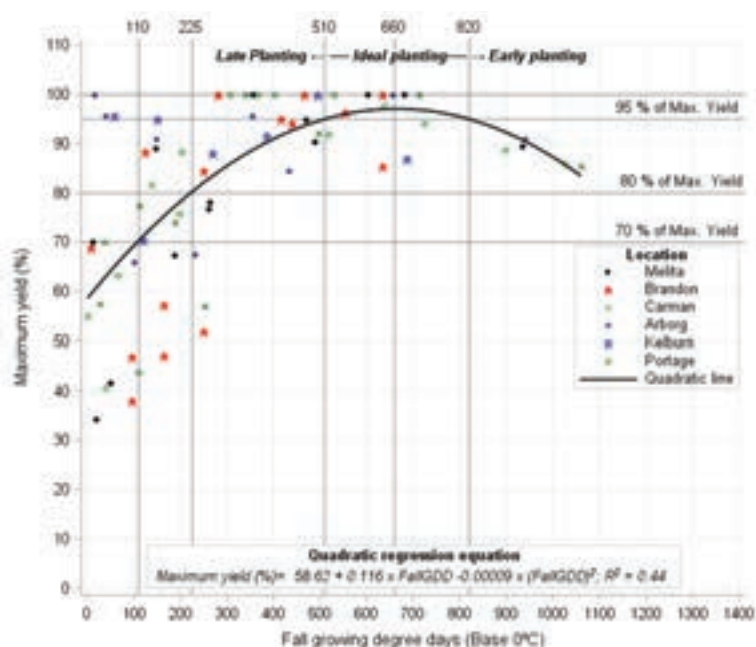


Figure 1: An illustration of the derived relationship between Growing Degree Days (base 0 C) accumulated after sowing and the relative yield of subsequent winter wheat crops in Manitoba (from Brar & Lawley via K. Gross, Manitoba Agronomists Conference, Dec 17, 2020).

NEW SEEDING STUDY

Until recently, the traditional guidance to Manitoba producers was that the optimum sowing period was between Sept. 1 and 15. This recommendation was based in part on research conducted decades ago.

However, it is now the 2020s and a recent multi-year (2013 to 2017), multi-site Prairie-wide study has been completed by Navneet Brar and Yvonne Lawley of the University of Manitoba for Winter Cereals Canada and other funders. It provides new insights into the impacts of differing sowing dates on modern winter wheat survival and yields. Along with other production information, their results were summarized in a presentation by Ken Gross of Ducks Unlimited Canada to participants of the Manitoba Agronomists Conference in December 2020. The presentation "Winter Wheat — Breaking Through The Yield Ceiling" is available online at https://umanitoba.ca/faculties/afs/agronomists_conf/media/12_-_CROP_-_Gross_Presentation.pdf

A major finding was that using accumulated Growing Degree Days (GDD) instead of calendar days was a better way to model the relationship between sowing date and yield. Gross's presentation included a chart illustrating the quadratic relationship between relative winter wheat yield

and GDD after sowing for the Manitoba sites from the study (see Figure 1). These GDD can be converted into average calendar days using long-term normals (1980-2010) for various locations in Manitoba. The Carman long-term normal calendar dates associated with each GDD value are used for this article. Other Manitoba locations may vary by a day or two for the same GDD value and can be extracted from a chart in Gross's presentation.

Figure 1 indicates that the average ideal sowing date for maximum winter wheat yields in Manitoba is one which results in 660 GDD accumulating after sowing prior to freeze-up (Aug. 28). The ideal sowing window to achieve at least 95 per cent of maximum yield prior to freeze-up is one which falls within the range of 820 to 510 GDD accumulated (sowed from Aug. 19 to Sept. 5.)

“(I)n reality you are taking the same risk of seeding winter wheat on Sept 25 as you are in seeding spring wheat into the third week of May.”

— Ken Gross, DUC

Eighty per cent of maximum yield occurred when 225 GDD accumulated (sowed on Sept. 28). The 70 per cent of maximum yield occurred when 110 GDD accumulated (sowed on Oct. 7). Gross's presentation suggests that in Manitoba the optimum window to maximize yields has become earlier and slightly longer than the previous guidance of the first half of September. The new study suggests the optimum sowing window is between Aug. 19 and Sept 5. Gross agrees that these results have changed our understanding of the optimum sowing period.

“I don't think the optimum period has changed but I think that our understanding of the optimum period may have changed a little bit,” he said in an interview after the presentation. “We always thought about Sept. 1 being about the optimum time but really it is the last week of August that is the best time. Unfortunately for farmers in Manitoba, that is not really a reality that they will be able to seed consistently in that window. Most producers seed on canola stubble and that is not usually harvested until the end of August, and depending on the year, much later than that.”

LATER SEEDING STILL WORTHWHILE

Another important determination from the study is that in Manitoba the yield penalty for sowing modern winter wheat later than the optimal window is not as catastrophic as previously believed. For example, on average, there is only a 20 per cent yield penalty for sowing at the end of September and a 30 per cent penalty is expected for crops sown a week later on Oct. 6.

Gross indicated that late sowing of winter wheat may be worthwhile, particularly if producers are careful to select management practices that minimize risk. “Well, there were always a group of producers that were comfortable seeding even into October. We do understand now that there are practices you can follow that if you are seeding later will increase your chances of having a successful crop. So that includes using a seed treatment — the study data shows that use of a seed treatment is more beneficial for late seeding dates. We also know

there are some better varieties available in terms of winter hardiness now — so you can select a variety that is very good for winter hardiness if you are seeding later into the fall. And also we know the impact of seeding rates on plant establishment and seeding at a slightly higher seeding rate certainly will help with getting a more uniform stand the following year.”

OTHER BENEFITS

Gross also pointed out that there may be factors other than yield that are relevant to later-than-optimum dates, such as spreading out workload and improving soil health with living cover.

Gross said that later seeding has similar effects on both winter and spring wheat. “Basically we were showing that for spring wheat if you seeded it in the third week of May you are basically still at 80 per cent of your yield potential and no one is too hesitant to seed their spring wheat in the third week of May. If you contrast with winter wheat at the same 80 per cent yield potential we are at about Sept. 25 and up until this year it was a practice that was not promoted at all but in reality you are taking the same risk of seeding winter wheat on Sept 25 as you are in seeding spring wheat into the third week of May.”

DATES EXTENDED

Until 2019 the long-standing MASC crop insurance full coverage period for seeding winter wheat was Aug. 20 to Sept. 15 and the extended coverage period was Sept. 16 to 20. Revising these deadlines has been a long-standing request of Winter Cereals Manitoba. The results of the Brar and Lawley study have verified that these fall deadlines could warrant revision. Using this study and working with WCM and provincial agriculture staff, MASC

TABLE 1: A comparison of the MASC current eligible winter wheat seeding deadline periods compared to the previous eligible winter wheat seeding deadline periods

Previous (Old)	Current (as of Fall 2020)
Full Coverage Period – Aug 20 to Sept 15	Full Coverage Period – Aug 15 to Sept 25
80% Extended Coverage Period – Sept 16 to Sept 20	80% Extended Coverage Period – Sept 26 to Sept 30

has announced that it revised its winter wheat seeding deadlines starting with 2020 sowings.

The updated seeding deadlines both reflect the study's modern winter wheat yield response information and address inconsistencies in coverage generosity compared to spring wheat. The window for sowing winter wheat in Manitoba has been extended by 15 days (five days earlier plus 10 days later). The new full-coverage period is from Aug. 15 to Sept. 25 and the extended coverage period is now Sept. 26 to 30. A side-by-side comparison of previous and new deadlines is listed in Table 1. The expectation is that the new extended eligible seeding dates will on average extend coverage to about seven per cent more winter wheat acres annually.

"I am very comfortable with the MASC change and very happy that they made the change," Gross said. It is based on science and shows that you are taking the same risk seeding winter wheat late in September as you are seeding spring wheat in the third week of May. So I think just makes a lot of sense."

Certainly, a producer's first choice should be to sow during the optimal Aug. 19-Sept. 5 window but if that's not possible the expected yield tradeoff for late sowing can now be quantified. And as a bonus, the new deadlines will help insured producers by reducing risk associated with later sowing of additional acreage. Hopefully the changes will assist the winter wheat sector to recover from acreage declines over in recent years. Time will tell.

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Turning data into valuable extension information

MASC's longtime crop insurance data expert
Doug Wilcox retired last summer

By Allan Dawson, Manitoba Co-operator staff

It started at Ag Days 22 years ago when Norm Mabon, then a farm management specialist with Manitoba Agriculture, approached the *Co-operator* with an idea. The Manitoba Crop Insurance Corporation was sitting on a treasure trove of 'real-world' data on how crop varieties performed across the province. Was there some way of getting it off the computers and into a form that was useful to farmers?

The result was *Yield Manitoba*, and until this year, Doug Wilcox played a key role in bringing the data to farmers through this publication, as well being a regular source of information to agronomists across the province.

Wilcox, who retired last July after 30 years with Manitoba Agricultural Services Corporation, says that was one of his most enjoyable duties.

"The fun part of my job was the extension part of things," he said in an interview. He said he hopes "the lean times that appear to be happening in the corporation" don't affect its extension role in future.

Analyzing and sharing crop insurance data with farmers can help improve production and profits. Reducing crop insurance claims saves money for the federal and provincial governments and farmers who fund crop insurance. But Wilcox doubts many senior government policy-makers controlling the purse strings understand that.

MANY CHANGES

Over his career Wilcox, who earned a degree in agriculture, a masters and a PhD at the University of Manitoba, has seen a lot of changes.

"I remember when I first started you had to wear a jacket and a tie," he said. "That's certainly not the case anymore."

Actuarial and agronomic information comes from the internet now, not a library.



Doug Wilcox says that encouraging more uptake on forage insurance proved to be a challenge. PHOTO: ALLAN DAWSON

MASC also has less flexibility to offer new programs. Wilcox said that earlier in his career, MASC could implement programs with little federal oversight, but that's changed, making it harder to innovate.

Another big change has been the increase in yields. A quick check of MASC's Management Plus Variety Yield Data Browser shows the province's recent five-year average yields for red spring wheat and Argentine

Continued on page 18



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Continued from page 16

canola both jumped 87 per cent compared to the average from 1993 to 1997.

"I guess that's amazing," Wilcox said. "How much is environmental and how much is management and whether it's sustainable are all questions."

He believes it's not all due to improved genetics.

"I think there is a lot of management changes — bigger equipment, more fertilizer... more products such as herbicides." Precision planters, variable-rate fertilizer applicators and better sprayers have no doubt played a role, he said. "It all adds up."

LIMITED FORAGE UPTAKE

What hasn't changed are the reoccurring crop insurance reviews, including those related to forage crops.

"Ever since it seems every five to 10 years there's going to be a program change or review to try and increase participation."

Despite best efforts, fewer than 20 per cent of forage acres are insured. There are several reasons, Wilcox said. One is that forages are the input and the cattle are the product.

"The other argument is that they are largely self-insured, unlike the annual crop producers. You can't in the middle of a growing season reduce the size of your (crop) farm like you can reduce the size of your herd. You can harvest ditch hay, or go and get native hay... or start feeding grain or whatever.

"And the other argument is over the years when there have been big disasters, governments step in with ad hoc (aid) anyway and you don't have to pay a premium for it. So they don't insure because they know if things get really bad government is going to jump in anyway."

Wilcox said he enjoyed his job as 'a jack of all trades,' working with more than statistics. "I had to understand the crops and how they grew and try and design programs to reflect the needs of insuring those crops... I even got credited as a carbon credit auditor and things like that for when we were administering the ALUS (Alternate Land Use Services) program."

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INSURING NEW CROPS

When it came to insuring new crops without previous yield data, Wilcox and his colleagues had to come up with proxies. Wilcox also worked on refining crop-adjusting methods by thinning crops to mimic damage and measuring the yield impact.

One career disappointment was not being able to convince AgriInsurance administrators across Canada to standardize crop insurance adjusting.

"It's one of the instances where you could say that government programs, at least as a Crown Corporation, are more cost-effective than having private-sector delivery."

— Doug Wilcox

"One of my concerns was fairness across provinces," Wilcox said, adding that the impact of crop damage will vary between geographic locations. "One province may have a loosey goosey procedure... and their producers when they have losses are getting more money... in the interest of national fairness that's maybe something that should be evaluated and looked at."

Still, Wilcox says he has confidence in Manitoba's adjusting procedures.

During his career, Wilcox and his colleagues worked on many innovative programs — some that remain and others that don't.

A weather derivatives program designed to provide coverage against drought and frost was one of the first offered in Canada. But participation was low

because coverage was based on weather station results and not what happens on the insured farm.

"There was a basis risk that occurred so we were not keen on offering it as a crop insurance product," Wilcox said. "It ended up being more like a lottery, depending on what the weather station showed, so we dropped those programs thinking that maybe that private sector would want to offer those in Manitoba, but they never really did."

HIGH PARTICIPATION

Wilcox is proud that Manitoba has the highest crop insurance participation rate in Canada.

"Whether it's because of our products or whether it's because of other reasons I guess I can't say. Part of it is that our producers have had a relatively good experience and historically our politicians don't bad-mouth our program in Manitoba, whereas in some of the other provinces it's not unusual for politicians to say there are big problems with the programs and that doesn't encourage participation, but in Manitoba that's less common."

The private sector, with government subsidies, could deliver crop insurance, as is done in the United States, but like in the U.S., Wilcox is certain it would cost more.

"They've got to make a profit and if you look at the relative costs of crop insurance administration compared to the U.S. system you'll see that crop insurance in Canada is probably about half the cost," he said. "It's one of the instances where you could say that government programs, at least as a Crown Corporation, are more cost-effective than having private-sector delivery."

He notes the U.S. has different crops and a different system so it's hard to compare, "but certainly if you look at costs to admin to premium ratios you'll see in Manitoba and across Canada it's about 12 per cent whereas in the U.S. it's about 25 per cent."

Wilcox says he misses his work colleagues at MASC and beyond. As for how retirement is going, "It would be better without COVID restrictions. I guess it's too early to tell. Ask me in a year after COVID is gone see how life is going then, but right now it's fine."



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Keeping coverage in line with yields

MASC uses ‘yield trending’ to recognize continuing advancement in technology

By Faye Price, MASC

Despite less-than-ideal growing conditions over the last number of years, good yields continue to surprise everyone. Improved agronomic practices and crop genetics have helped to produce average to above-average crops even when Mother Nature has not co-operated.

Figure 1 shows provincial average yields for red spring wheat, canola, soybeans, and grain corn for 1995 to 2019. Overall, yields have been increasing over time.

In the past, MASC’s existing probable yield methodology has been very responsive to yield trends. However, ongoing agronomic, technological and genetic advances

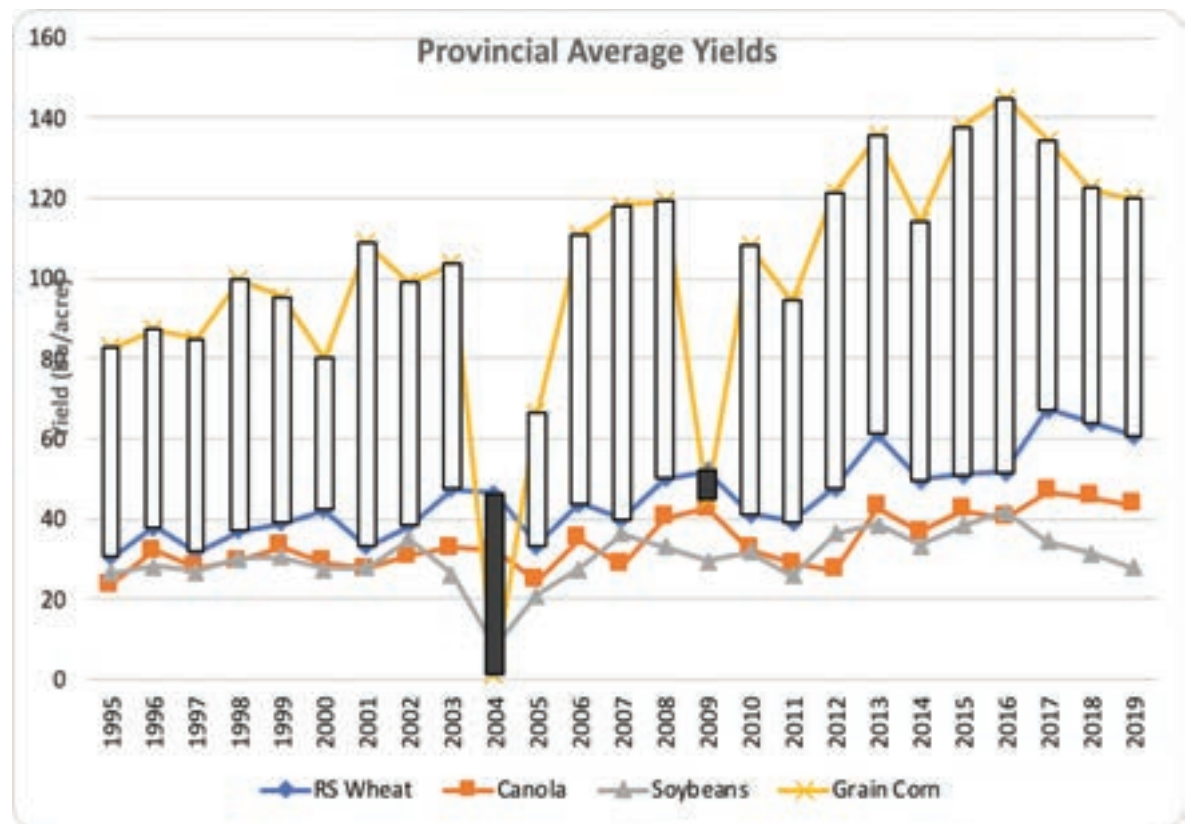


Figure 1: Provincial average yields for red spring wheat, Argentine canola, soybeans, and grain corn from 1995 to 2019.

have resulted in average yields for some crops trending upwards at a significant rate that is not completely captured by the 10-year average.

For the 2020 AgriInsurance program year, MASC introduced yield trending for eight crops: red spring wheat, Argentine canola, soybeans, grain corn, white pea beans, oats, hemp and irrigated potatoes. Yield trending recognizes the continued advancement in the agricultural sector and allows for long-term yields to be increased to account for improvements in production techniques, varieties and technological advancements. Trend factors are used to reflect the positive or negative tendencies in production due to these advancements.

How is it calculated?

Linear regression is a common type of predictive analysis used to explain the relationship between one dependent variable and one or more independent variables. There are three major uses for regression analysis: determining the strength that the independent variable has for predicting the dependent variable; forecasting an effect or impact of change; and forecasting a trend or future value.

A simple linear regression attempts to model the statistical relationship between two variables by fitting a linear equation, or line, to the observed data. The best fit line is the line for which total prediction errors are as small as possible. Prediction error is the distance between the point to the regression line.

Not all crops will qualify for yield trending, despite an upward growth in average yields over time. This is because the trendline applied to the data must be

statistically significant, i.e. the trendline explains a lot of the variation within the data. Two measures are used to determine whether the trendline is statistically significant: R-square and P-value.

R-Square, or the coefficient of determination, provides the percentage of variability in the dependent variable that is explained by its relationship to the independent variable. An R-square of 1.00 implies that the data exactly follows the trendline while an R-square of 0.00 implies that there is no trend in the yields.

For example, if the 10-year average yield for red spring wheat is 52.5 bushels per acre and the trend factor is 2.5 per cent, application of the trend factor would raise the yield to 53.8 bushels per acre (a 2.5 per cent increase)."

The P-value provides a measure of the credibility of the accepted claim. A P-value of 0.05 or lower means that there is a greater than 95 per cent chance that the trend results are not random, and thus evidence that the trend is a statistically valid one and acceptable to use.

For a yield trend to be considered significant, MASC has set the following parameters: the trend must have

Continued on next page

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an R-square of at least 0.35 and the P-value must be 0.05 or lower.

If a crop does not have a statistically significant regression trend, the yield variability may be the result of other influences, such as weather. Trends can change over time as more recent data is added into the calculation. For this reason, the yields are monitored on an ongoing basis.

Figure 2 shows a linear trendline fitted to 15 years of yield data for red spring wheat, canola soybeans, and grain corn. This trendline is used to calculate a trend factor.

The trend factor is derived from the slope of the regression line and is used to raise the yield calculated by the current probable yield methodology by that amount to capture the fact that the methodology is missing a significant trend. It does not raise the existing yield to the projected regression trend yield. For example, if the 10-year average yield for red spring wheat is 52.5 bushels per acre and the trend factor is 2.5 per cent, application of the trend factor would raise the yield to 53.8 bushels per acre (a 2.5 per cent increase).

MASC has calculated the trend factor at an all-province level to represent agronomic advancements independent of regional landscape and weather differences.

How yield trending is applied

MASC calculates probable yields with two main sources of data: yields reported by a producer through a Harvested Production Report (HPR) and yields measured or assigned by MASC through a claim or audit verification. The first step in the calculation of probable yields is the determination of a long-term average yield (LTAY) by crop and insurance area. The LTAY is calculated as the 10-year average, with a two-year lag, of actual annual yields. Annual yields used to establish probable yields are based on total marketable production of a crop divided by the total number of acres seeded for the crop.

Trend factors are applied to annual soil zone average yields or individual average yields, as applicable, to reflect the positive tendencies in production due to changing agronomic and genetic factors. Older yields are increased more than recent years.

Yield trending complements the probable yield methodology by capturing advancements in crop genetics and agronomic practices into the calculation faster. It increases the yield coverage offered to producers where yields are increasing over time. It is a dynamic calculation that will continue to evolve as agronomic and production advancements continue.

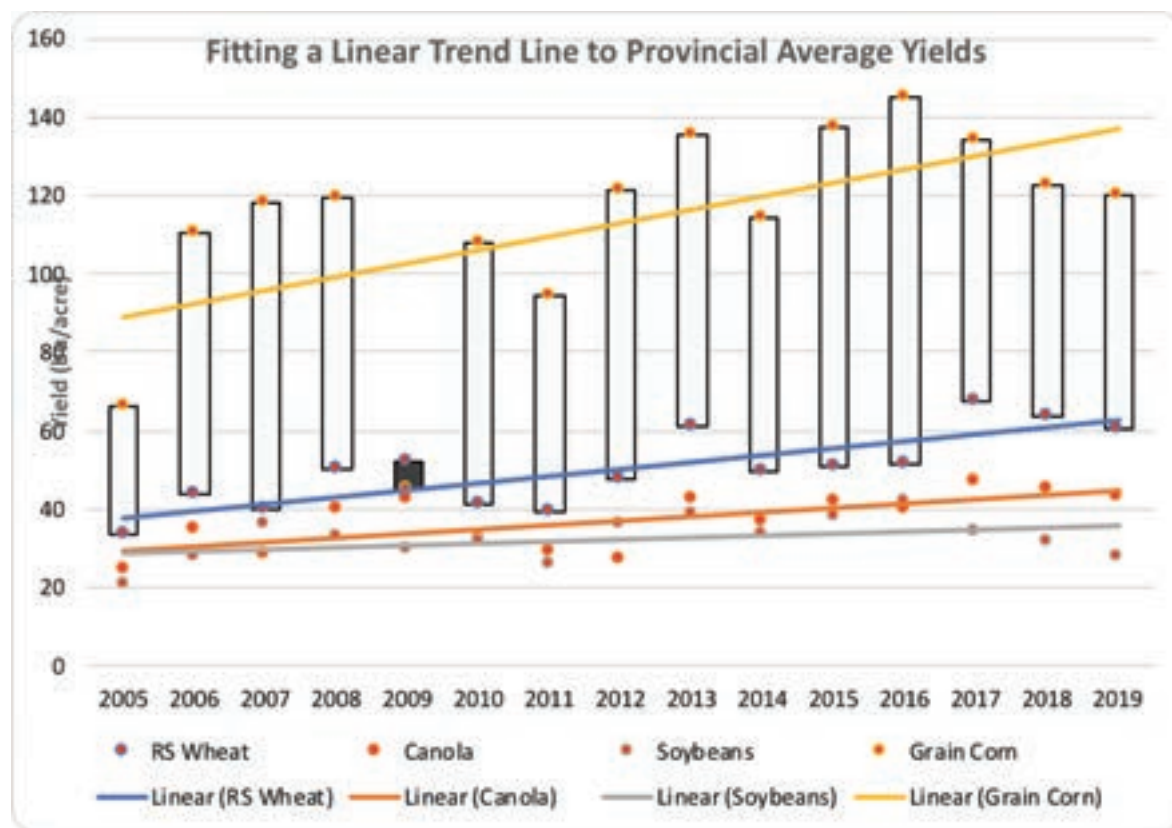


Figure 2: A linear trendline fitted to 15 years of yield data for red spring wheat, Argentine canola, soybeans, and grain corn. The trendline shows the relationship between two variables by fitting a line to the observed data.

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Crunching the numbers for Crop Coverage Plus

If you're growing a variety of crops, it could be worthwhile

By Curtis Sawatzky, MASC

Fifteen years ago, MASC introduced Crop Coverage Plus (CCP) to Manitoba as an option for farmers seeking higher-coverage crop insurance. CCP is a whole-farm solution or 'basket' approach to crop insurance that due to the diversification of the crops included in that basket, allows MASC to offer up to 90 per cent coverage. As more private whole-farm insurance providers enter the Manitoba market with similar products, there is evidence that there is a demand for this type of insurance. Acres under CCP have been stable over the years so reviewing the details of the program could be a worthwhile exercise if farmers are interested in a change.

Like all whole-farm insurance, with CCP small production losses in some crops may be offset by above-average yields in others, resulting in reduced or zero compensation in normal years. However, in disaster years when the need for liquidity is greatest, the potential compensation is more. The program is designed so that over time, the benefits of whole-farm and individual crop programs are the same.

Most crops can be insured through CCP. However, crops like potatoes, vegetables, organics and forages are not eligible. The coverage is based on the crop mix and the number of acres. The more diverse the basket of crops, the better the coverage and premium discount could be. For instance, insuring a group of cereals with CCP may not help you any. MASC uses historical crop combination relationships to determine coverage levels to be offered and are reflective of each risk area.

Premium discount

When these coverage calculations result in higher than 90 per cent potential coverage, MASC discounts farmers' premiums (federal rules do not allow coverage above 90 per cent). Since implementing the program, total discounts have resulted in clients saving 15 per cent on their CCP premium. In 2020 the total discount to farmers was 25 per cent and 2019 its was 28 per cent. If producers only grow wheat, oats and barley, they may receive coverage greater than 80 per cent but may not receive a discount because their risk isn't as spread out as others growing wheat, canola, and peas.

Switching to a whole-farm approach can be a difficult change in mindset as most farmers would prefer per-field insurance. Fiona Jochum, who farms near St. Francois Xavier shared her experience with the program.

"It's good because the premium is lower. But we would have gotten better coverage for our poor soybean crop in 2019 if we had the 'per-crop' insurance." When asked why she selected the program she says, "because, as I understand it, the cost is lower and if we have a crop failure across the whole farm we would get a better payout."

Patrick Gamache, who farms near St. Rose, has yet to enroll but says, "I think it's a great program if your land is located in different areas and you have a large operation since you would not claim insurance very often anyways. I believe that it is cheap too."

While having more crops and acres could be beneficial, the program works for all sizes of farms. An insurance agent can provide an estimate of coverage and premium discount if a farmer wants to crunch the numbers.



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The year of the big winds

The 2020 growing season was marked by a wide variety of conditions across agro-Manitoba

By Alison Sass, Agricultural Meteorology Specialist, MARD

In a year that brought unprecedented challenges to us all, both on the fields and off, talking about the weather was a welcome change of topic. And although the weather posed its share of challenges to producers in 2020, it was not without its silver linings.

After a year of extremes in 2019, producers in Manitoba were eager for a growing season with good conditions. Very wet fall conditions in 2019 left farmers in many regions unable to harvest, leaving crops standing through the winter. Soil moisture levels in the fall of 2019 were over 80 per cent of available water-holding capacity throughout much of agro-Manitoba. Luckily, a winter with less-than-normal precipitation in most areas brought some relief. However, a slow

melt, residual moisture, and a late frost delayed seeding in some regions.

Wind was the topic of many conversations in 2020. It's not often mentioned in annual weather summaries, but the wind was a significant player. Frequent windy conditions made this season anything but a breeze for producers, creating challenges for pesticide application, damaging crops, causing soil erosion and moving seed. The year was one of the windiest on record for many years. Looking at data from May 1 to Sept. 30 over the past eight years (Figure 1), the mean daily wind speeds were approximately 1.3 km/h higher than the previous highest daily mean in 2019. On average, maximum wind speeds this season exceeded the previous high by

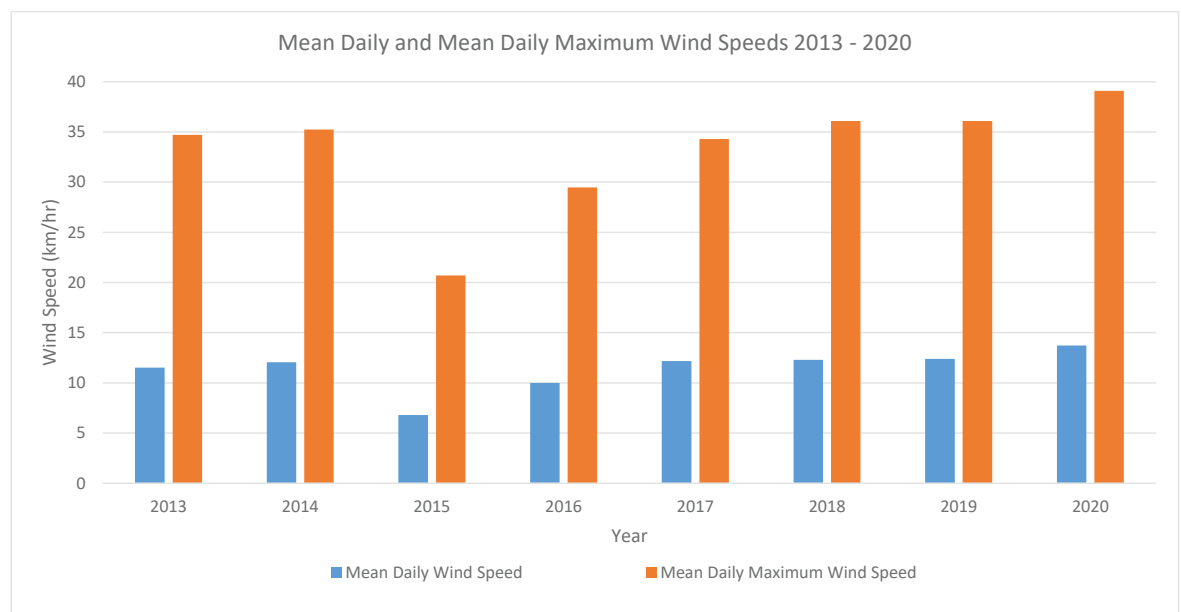


Figure 1: Mean Daily Wind Speed and Mean Daily Maximum Wind Speed from the Manitoba Agriculture Weather Program network for May 1 – October 1

3 km/h. Maximum wind speeds of over 90 km/h were reported at 29 stations. The highest wind speed of 124 km/h was observed on June 30 at Clearwater.

June was the windiest month during the growing season. The mean daily wind speed for June was 15.4 km/h and the mean daily maximum wind speed was 43.3 km/h. On June 17, the maximum wind speed exceeded 90 km/h at 12 weather stations, with the highest wind speeds observed at Somerset (120 km/h), Treherne (119 km/h), Bagot (117 km/h), and Eriksdale (114 km/h). September was the second-windiest month with a mean daily wind speed of 15 km/h and a mean daily maximum of 41.6 km/h.

Variable across the province

The 2020 growing season can be summarized as “variable.” Conditions seemed to vary greatly by region, and even within regions. A producer in the Southeast may categorize the season as wet. A producer in the Interlake would likely say how dry the season was. Thanks to a few isolated heavy rain events, we saw moisture levels vary significantly between regions. Heat was also quite variable, however, while we saw a few days of very warm temperatures, average temperatures were near or slightly above the 30-year historical average on a seasonal scale.

Deluge in the southeast

In addition to the wind, the other major weather events in 2020 included several isolated heavy rainfall events. Between June 4 and June 8, areas in the southeast corner of the province received over 22 hours of rain in four days. Gardenton received the highest total with 152 mm, followed by Menisino (131 mm) and Zhoda (100 mm). The heavy rain caused flooding of fields and roads in the area and led to the RM of Stuartburn declaring a state of emergency. This led to crop damage and some fields were not seeded. With the addition of several more significant rainfalls, the Gardenton station accumulated 121 per cent of the 30-year average accumulation by the end of September.

A major rainfall event occurred in the Brandon/Minnedosa region on June 28. Heavy rain over a short period caused significant flooding in the Minnedosa, Forrest, Newdale and Brandon regions, causing road and business closures. Minnedosa received 35 mm in 30 minutes in the afternoon, followed by another heavy rain in the evening with 75 mm over 90 minutes.

This totalled 110 mm of rain in under 12 hours. For comparison, the station at Inwood, in the Interlake, received 168 mm of rain for the entire growing season from May 1 - Sept. 30. Stations at Rivers and Newdale were at 131 per cent and 134 per cent respectively of the 30-year historical average precipitation at the end of September.

Other areas received variable precipitation throughout the season. In May, most stations received below-average rainfall. Gladstone received the least at 5 mm, just nine per cent of the historical average that month. More than half of the stations in the network received above-average rainfall in July. In August, several areas of the Southwest, Central and Interlake regions had less than 60 per cent of the 30-year historical average. Birtle with 18 mm accumulated the least precipitation in August, which is just 27 per cent of the historical average.

Current conditions at 111 Manitoba Agriculture Weather Program weather stations can be found at <https://www.gov.mb.ca/agriculture/weather/current-weather-viewer.html>

Overall, with the exceptions of the locations that received the heavy rain events by the end of September, much of agro-Manitoba had received less than 90 per cent of normal rainfall when compared to the 30-year historical average. Portions of the Interlake and central Manitoba had less than 70 per cent of the historical average rainfall by the end of the growing season. Using Treherne as an example (Figure 2) compared to last year, rainfall followed a similar trend until July when precipitation levels were lower than normal for the remainder of the growing season into October.

Early frost

The last frost in spring was on May 30, 2020 with the Eastern and Interlake regions having temperatures below 0°C for up to seven hours. Overall, May was a bit cooler than normal with all stations but one reporting less than 100 per cent of the 30-year historical average Growing Degree Days (GDD). Temperatures increased

Continued on next page

Continued from previous page

in June and July, with the majority of stations reporting GDD at over 100 per cent of the 30-year historical average. The Pas, Ste. Rose and Rorketon reported the highest percentage of historical average GDD at 116 per cent in July. Overall, temperatures for the season were in line with or were slightly higher than the 30-year historical average. All areas had at least 92 per cent of historical average Corn Heat Units (CHU) and 90 per cent of historical average GDD by the end September. Wawanessa had the highest accumulated GDD and CHU compared to normal at 111 per cent from May 1 to Sept. 30.

An early frost occurred in the Southwest and parts of the Northwest regions between Sept. 7 and 8 with low temperatures of -5 C seen at some stations. This frost caused some crop damage in the region to crops that had yet to be harvested.

Going into the fall, soil moisture levels at the 0-120 cm depth varied across the province. Much of the Interlake and the Northwest were at less than 60 per cent of available water-holding

capacity. While this is a welcome change from the wet conditions last fall, too little moisture created a challenge for fall fertilizer application and tillage in these regions. Most of the Eastern and Southwest regions were over 60 per cent of available water-holding capacity.

The Manitoba Agriculture Weather Program continues to grow. With 111 stations now installed across agro-Manitoba, the program continues to strive to provide pertinent weather information to the public and producers year-round. New stations were installed at Stead and Riverton in 2020 and there are plans to add more stations to the network this year to expand coverage throughout the agriculture regions of the province.

Current conditions from the Manitoba Agriculture Weather Program weather stations can be found at <https://www.gov.mb.ca/agriculture/weather/current-weather-viewer.html>. Each station provides information on temperature, relative humidity, wind speed, wind direction, precipitation, solar radiation, soil temperature and soil moisture.

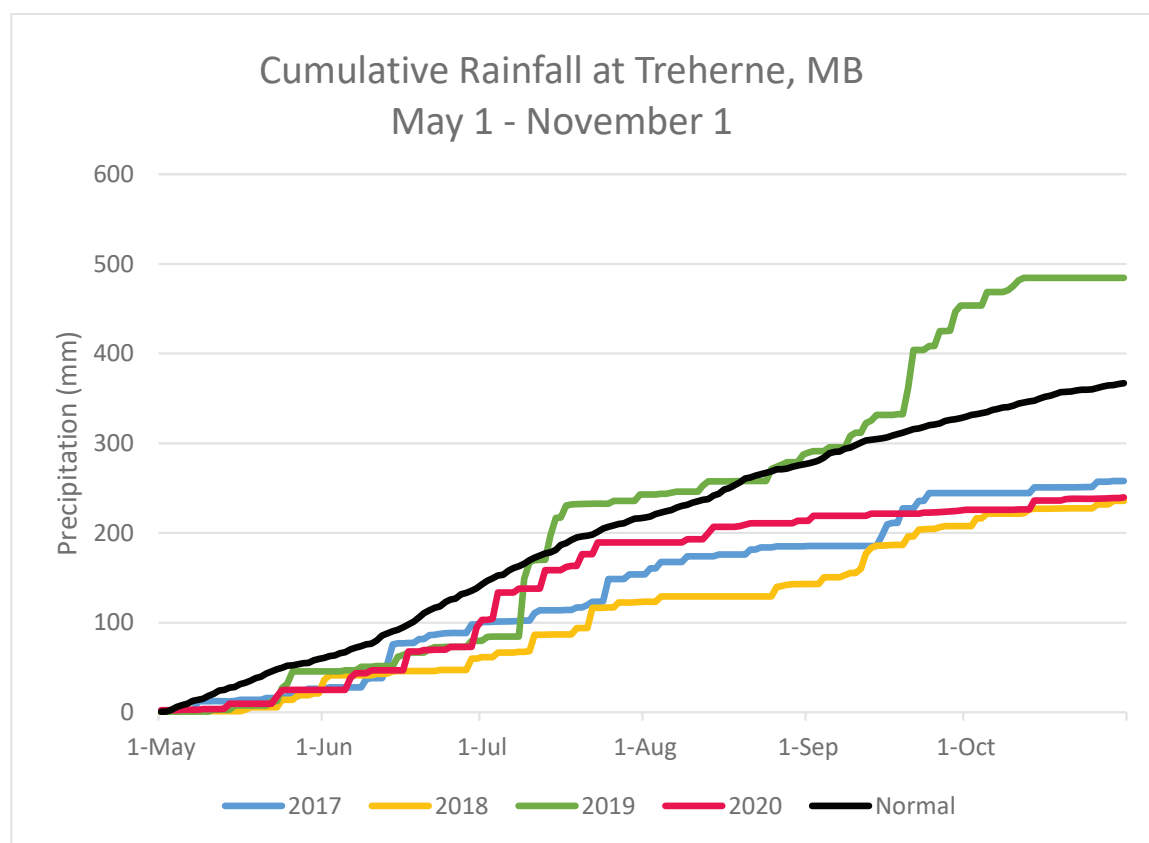


Figure 2: Total accumulated rainfall for Treherne, Manitoba for May 1 – November 1 for 2017-2020. The black line indicates the 30-year historical average precipitation for this site.

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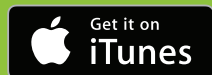
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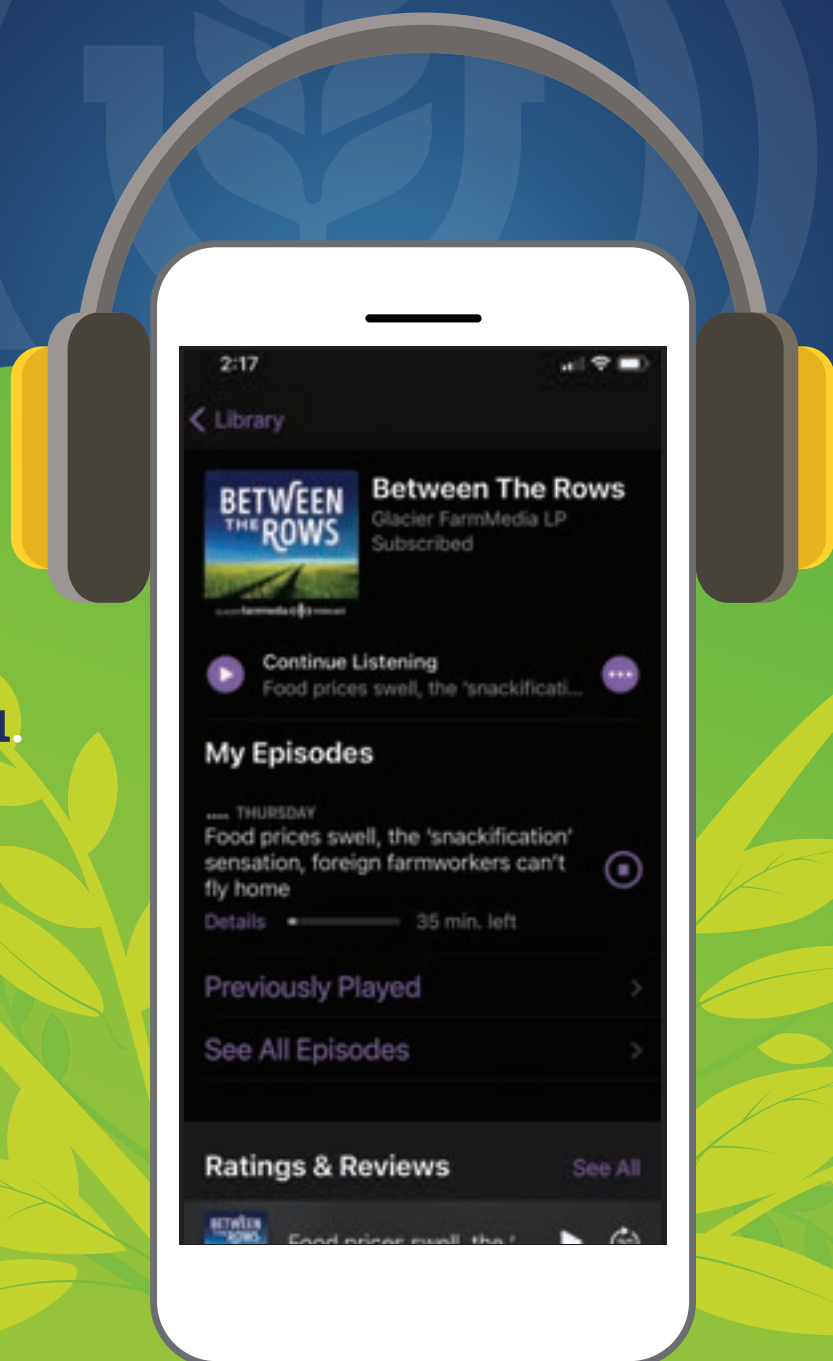
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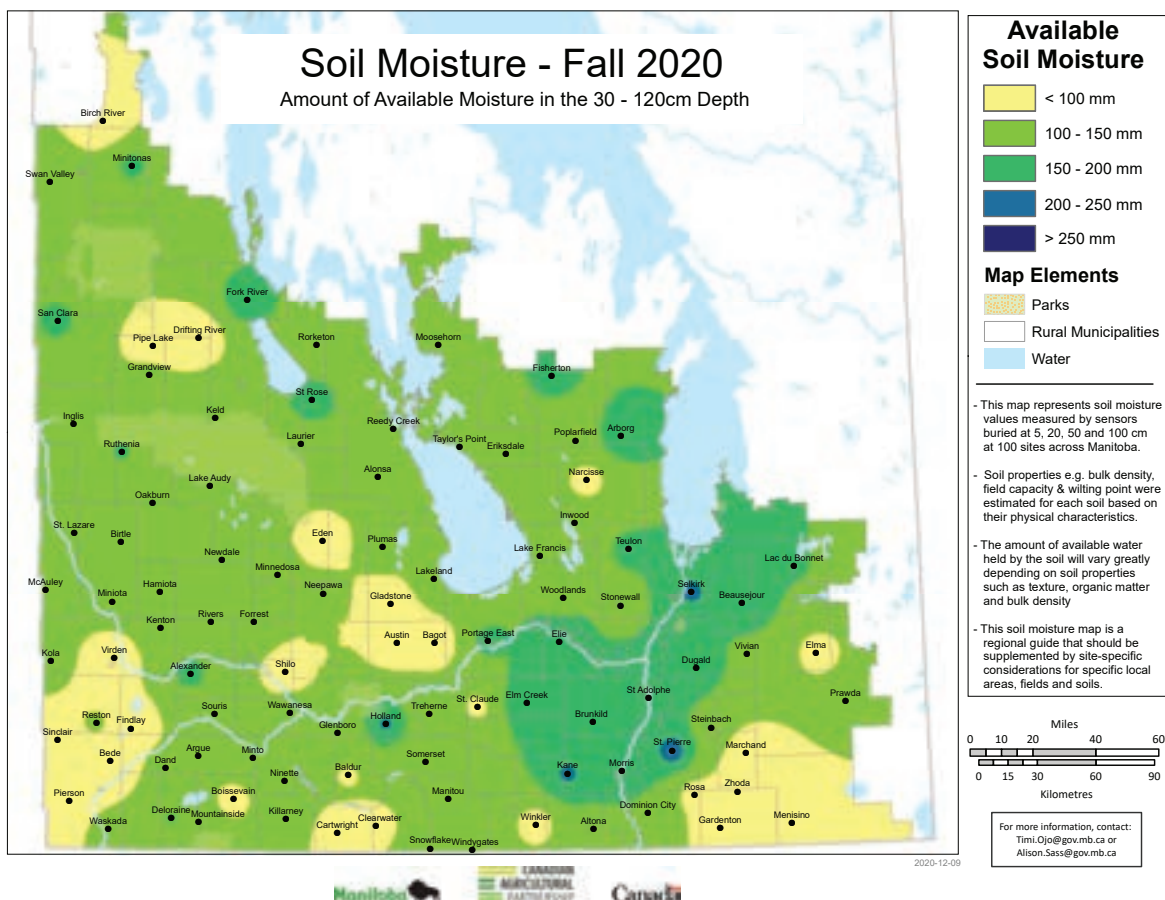
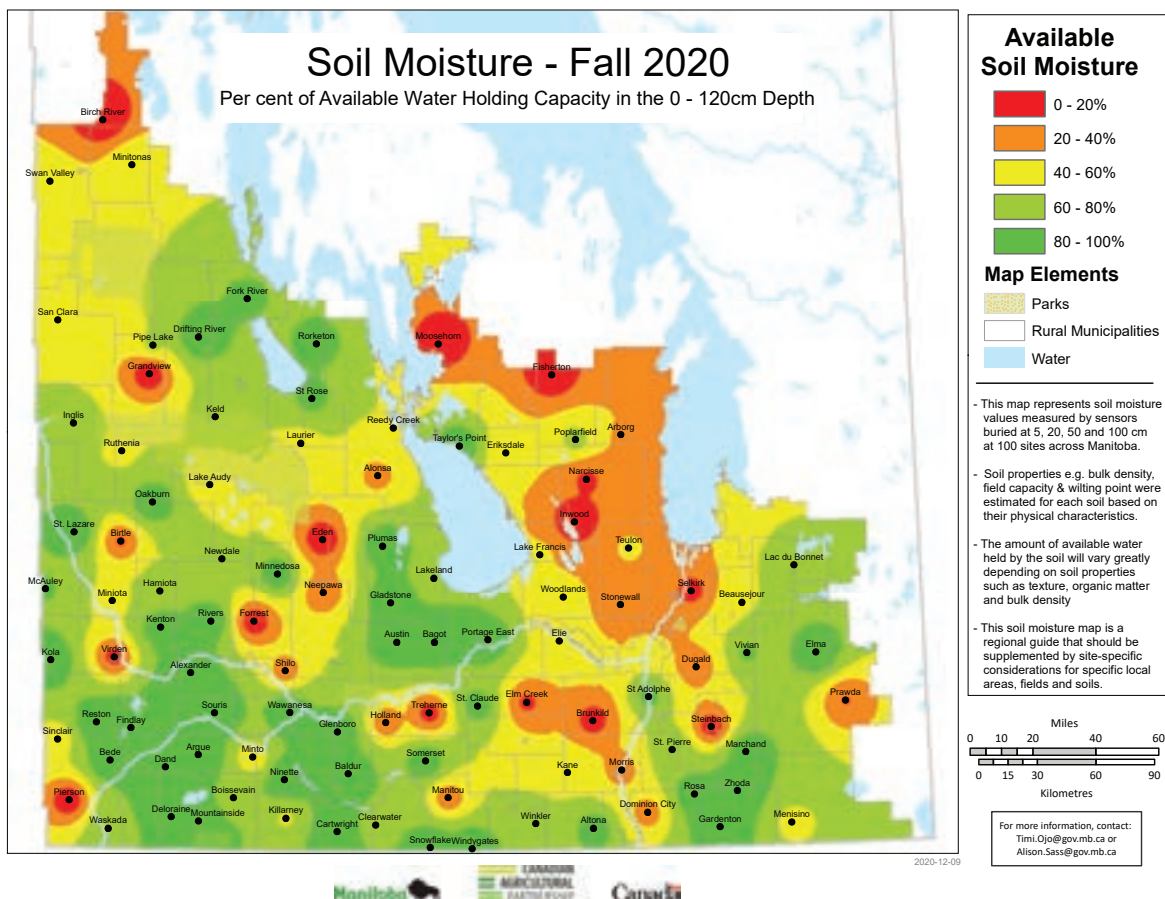
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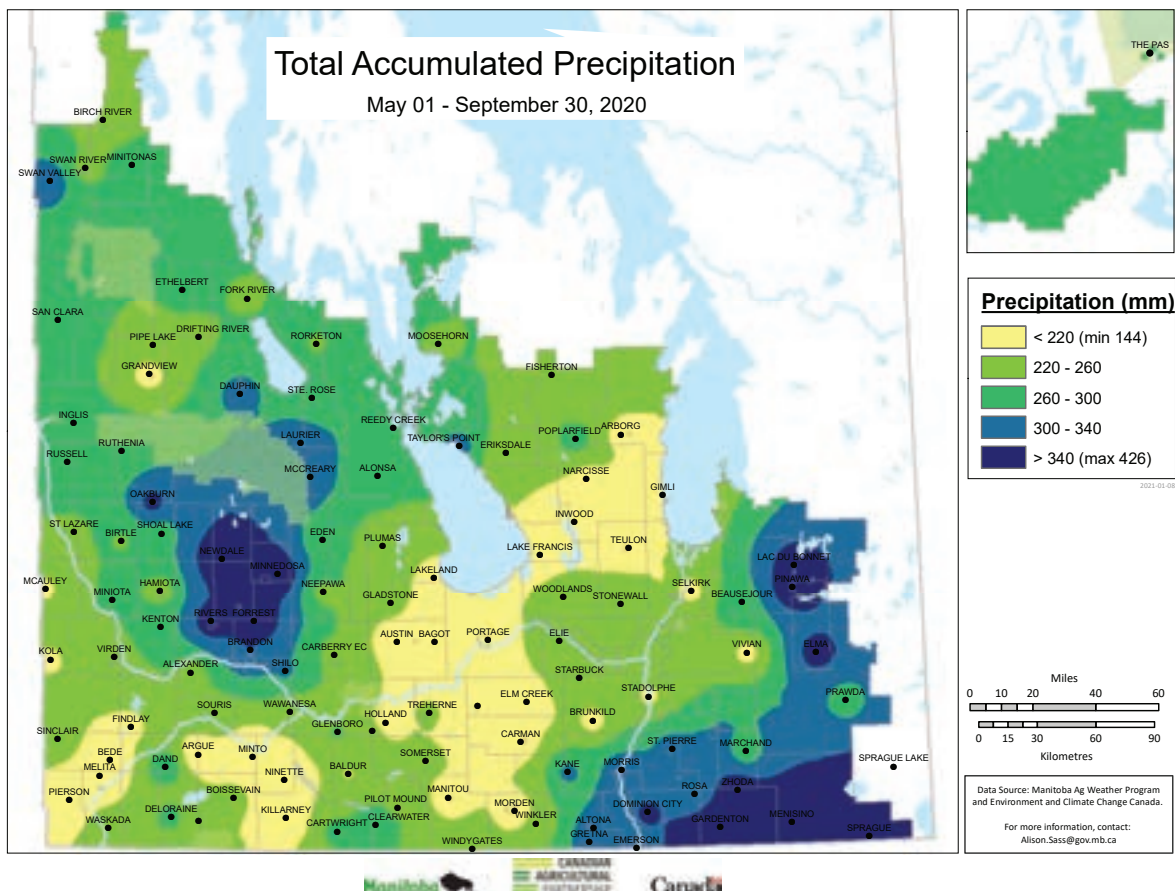
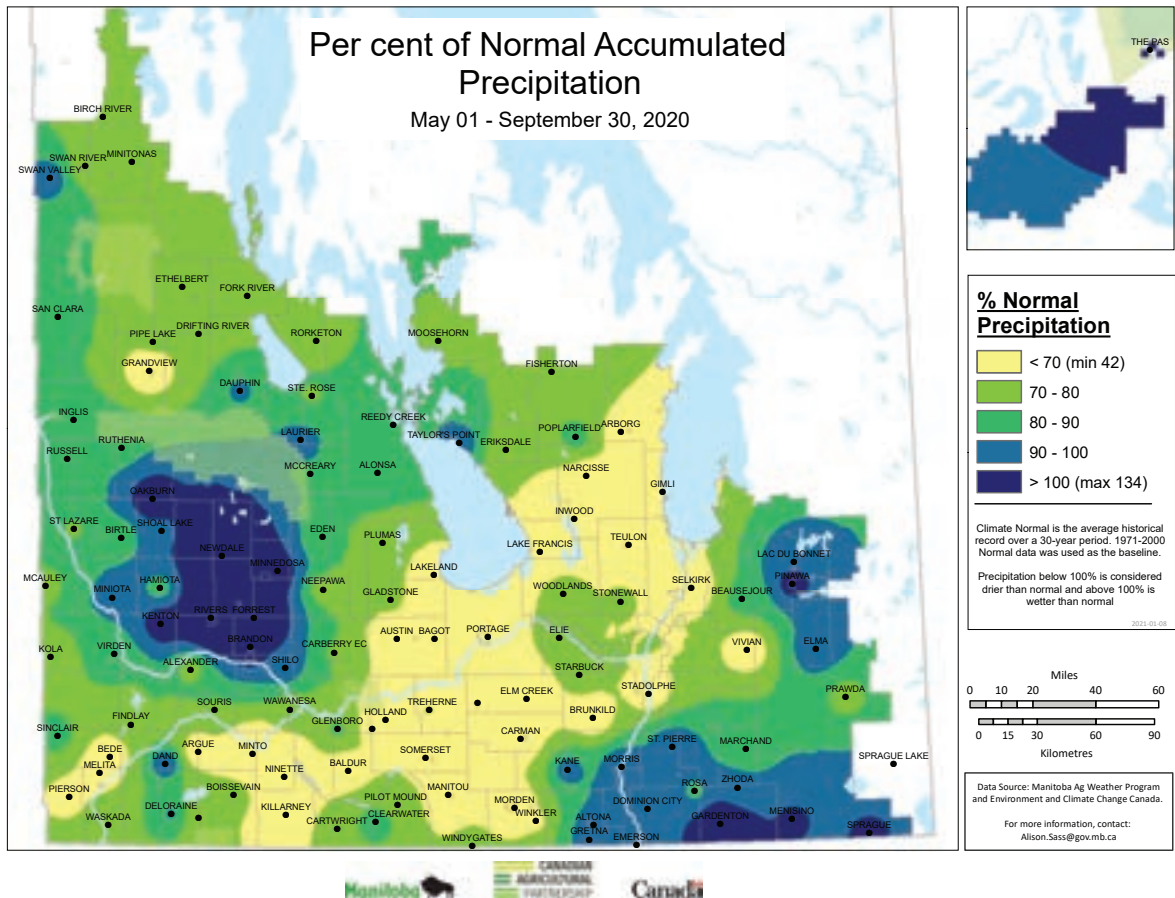
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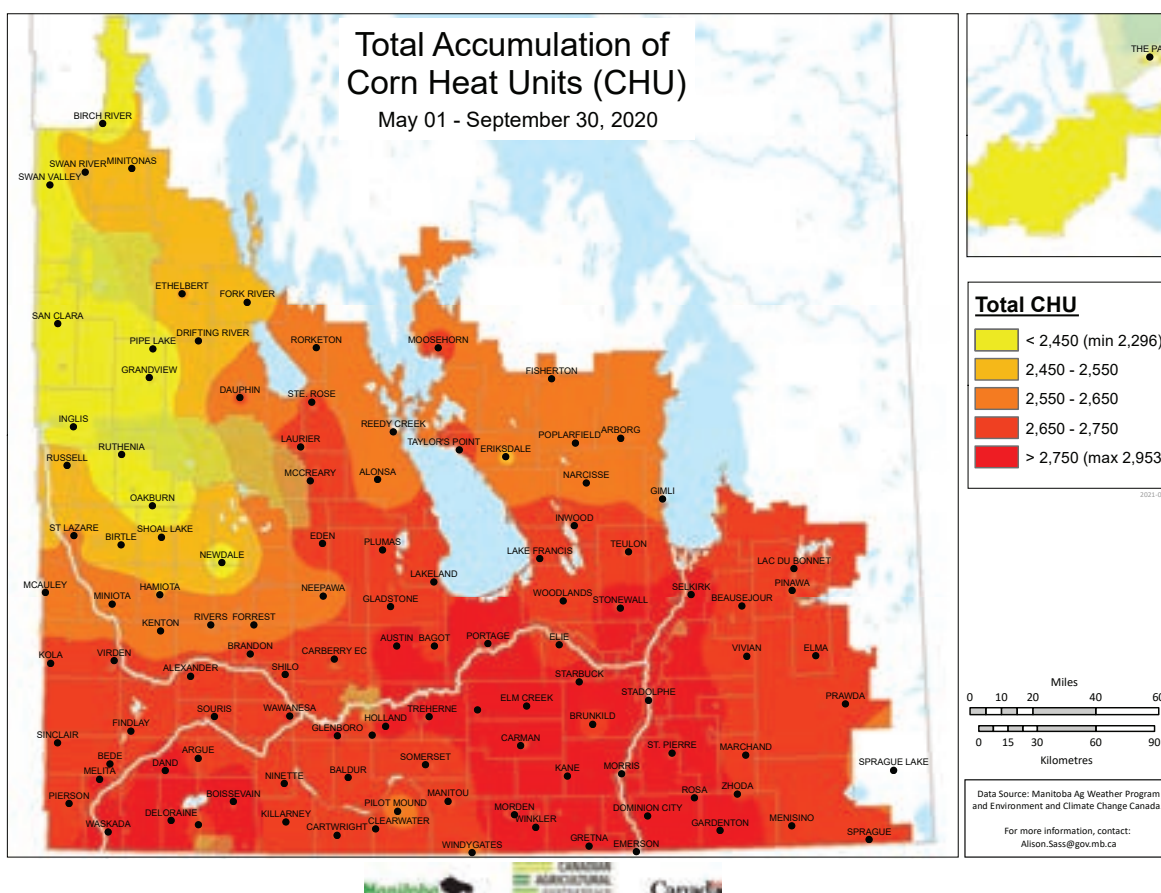
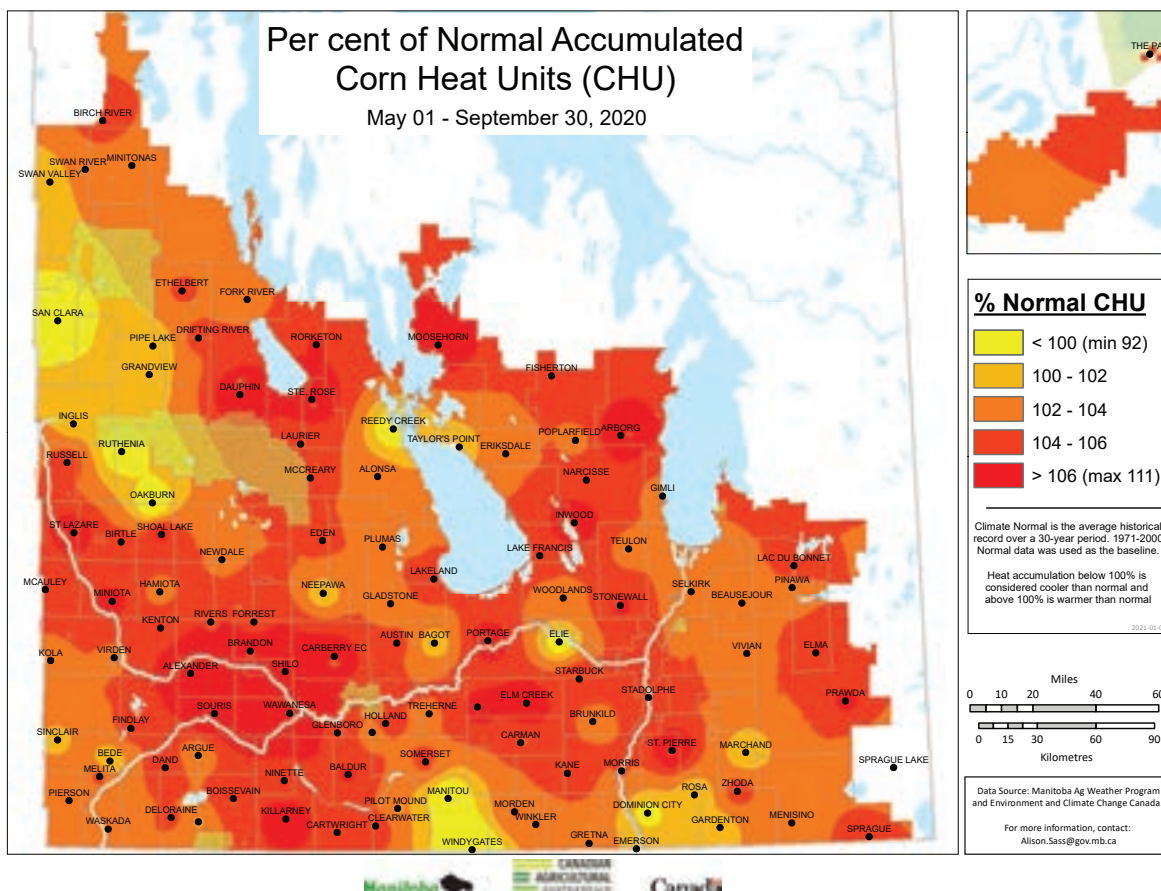


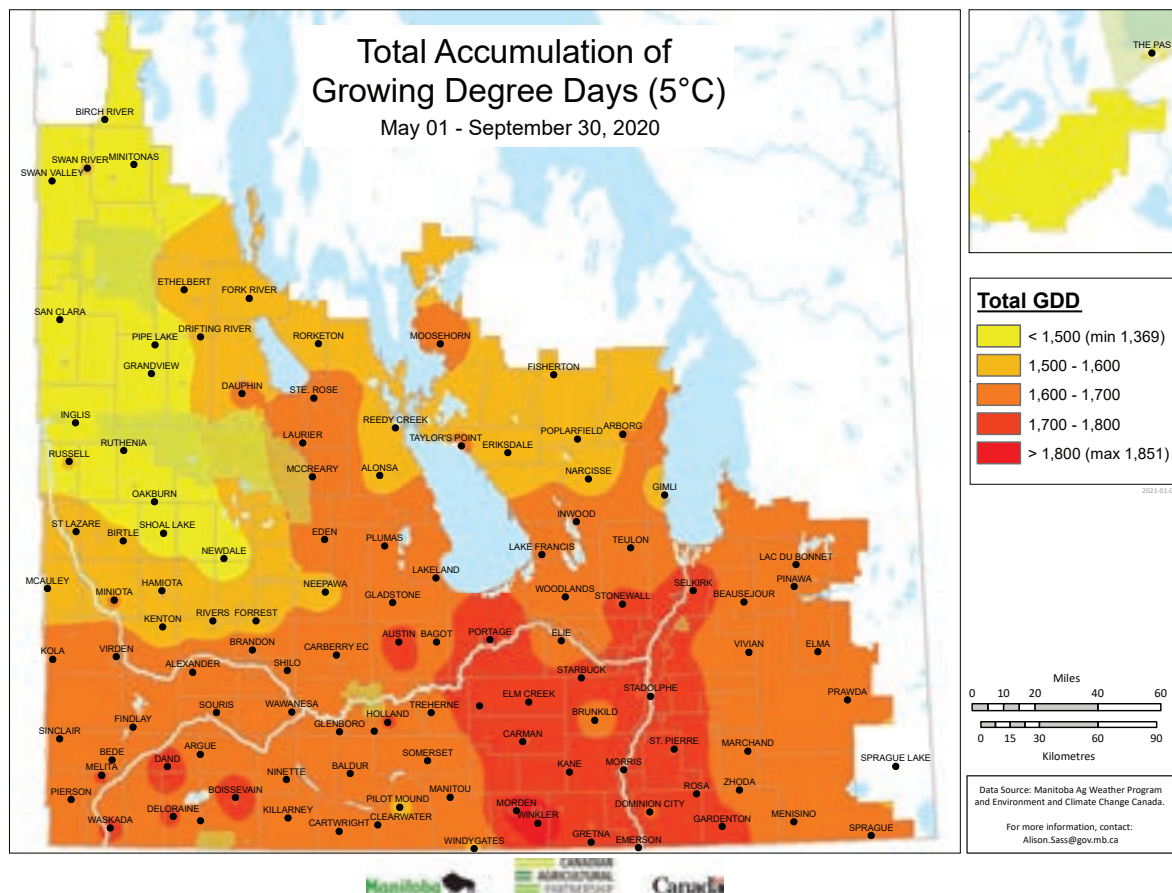
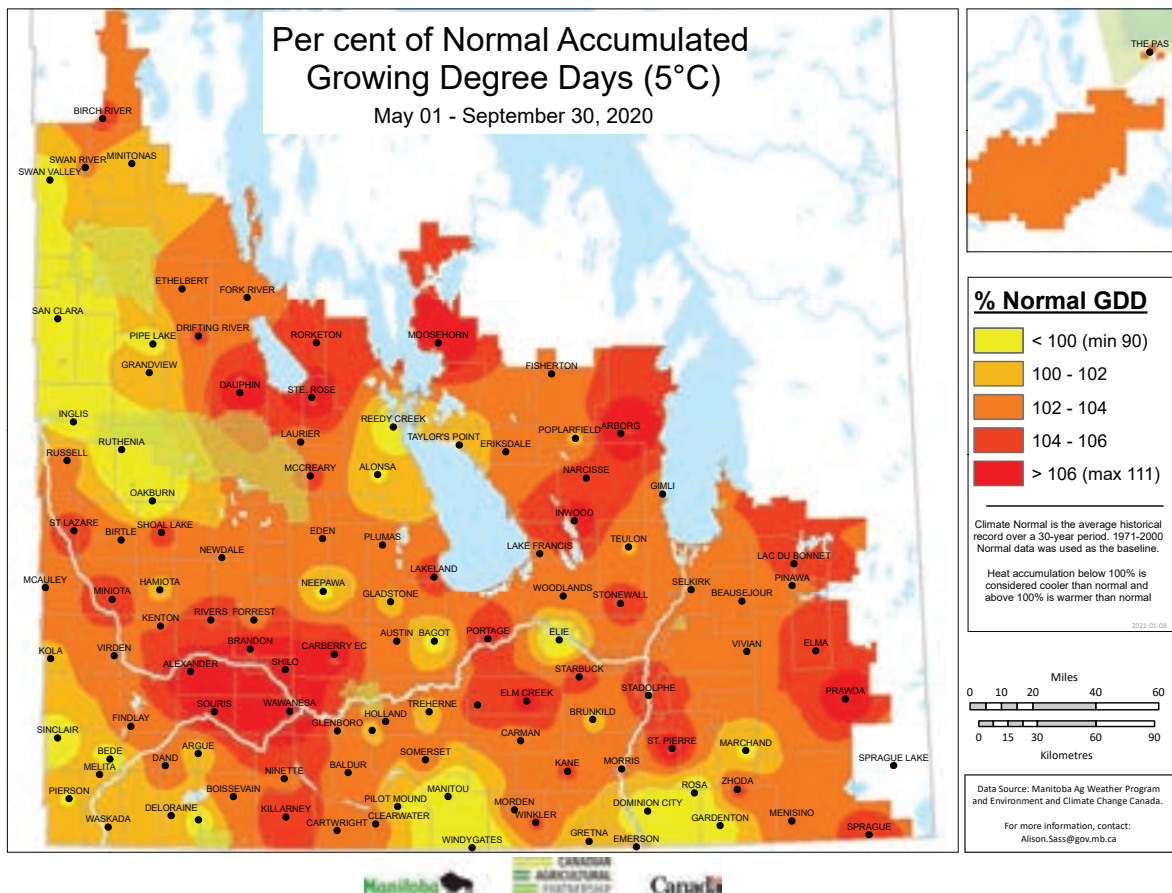
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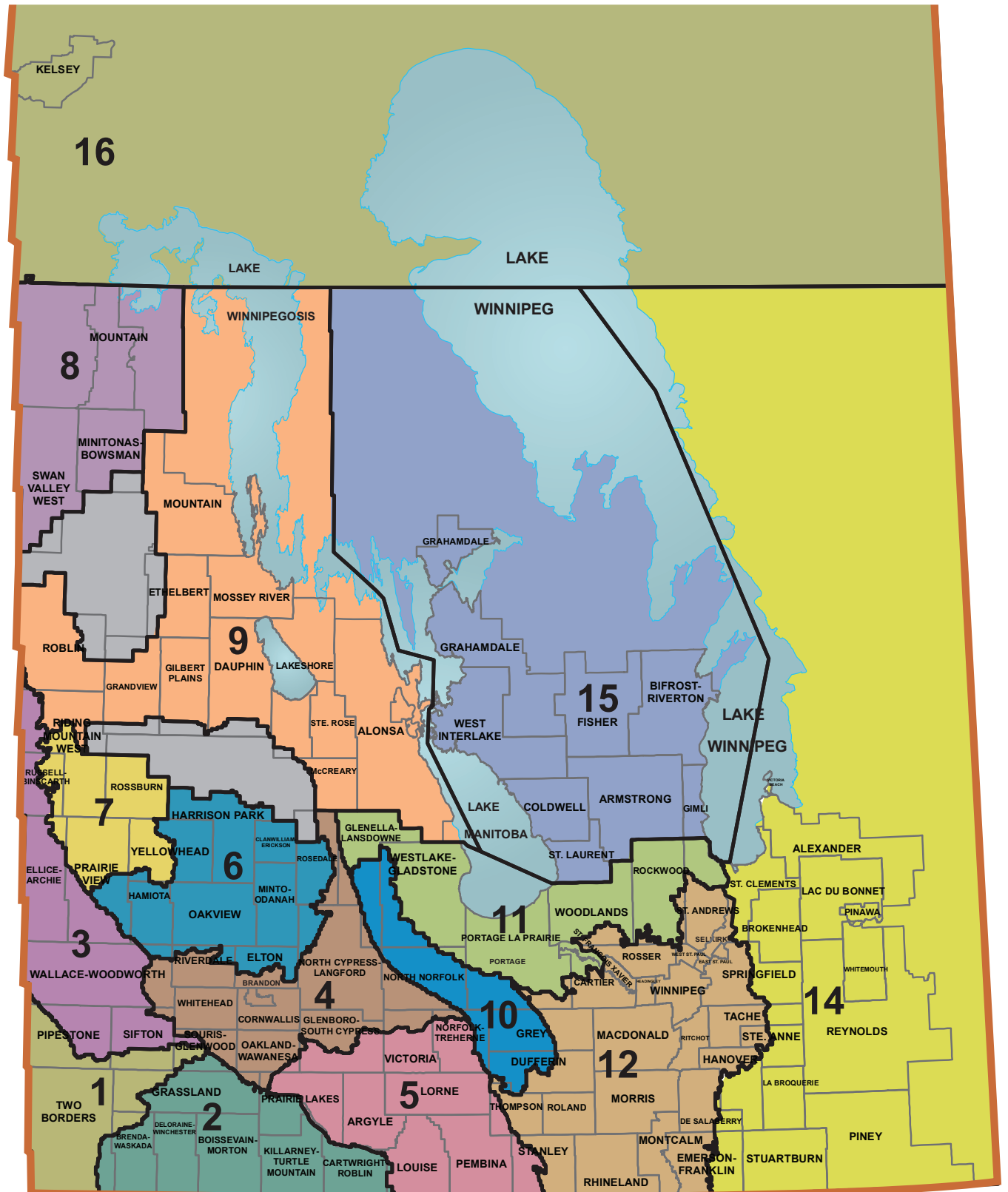
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RISK AREAS



MANITOBA

CANOLA YIELDS BY VARIETY 2016–2020†								MANITOBA	
Variety‡	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres		
L233P (LT)	—	52	47	45	1,399,144	44	1,471,924		
L255PC (LT)	—	—	51	47	355,513	45	282,917		
INVIGOR L345PC (LT)	—	—	—	—	—	48	249,212		
L234PC (LT)	—	—	—	50	79,050	45	123,195		
L252 (LT)	42	48	46	42	302,271	41	120,931		
P501L (LT)	—	—	—	45	52,464	42	77,799		
45CM39 (RT)	—	—	—	43	38,918	40	75,782		
1028 RR (RT)	—	—	—	41	24,094	41	73,447		
DKLL 82 SC (LT)	—	—	—	—	—	42	72,976		
DKTF 96 SC (RT)	—	—	—	—	—	38	64,546		
1026 RR (RT)	—	—	40	37	50,185	39	59,123		
2028 CL (ST)	—	—	—	34	5,150	39	37,751		
46H75 (ST)	41	49	45	43	58,006	43	37,069		
75-65 RR (RT)	36	41	40	36	52,316	35	32,686		
2026 CL (ST)	—	—	41	36	31,688	36	26,199		
L230 (LT)	—	47	44	42	69,952	39	22,556		
L258HPC (LT)	—	—	—	44	10,032	44	22,085		
B3010M (LT)	—	—	—	44	4,932	42	21,615		
INVIGOR L352C (LT)	—	—	—	—	—	45	20,059		
6074 RR (RT)	39	45	43	40	37,935	34	18,986		
1024 RR (RT)	—	40	39	38	34,116	35	16,451		
PV 200 CL (ST)	35	44	43	40	18,655	38	15,716		
DKTFLL 21 SC (RT)(LT)	—	—	—	—	—	37	15,575		
45H33 (RT)	40	43	43	38	15,164	32	13,518		
6090RR (RT)	—	—	39	44	11,677	35	13,069		
PV 540 G (RT)	36	41	40	33	19,592	33	10,641		
V14-1	—	41	—	42	3,323	37	9,995		
45M35 (RT)	—	44	45	44	27,151	40	9,786		
PV 680 LC (LT)	—	—	—	38	8,179	41	9,552		
CS2300 (RT)	—	—	43	36	10,484	37	9,481		
1022 RR (RT)	39	43	41	40	39,759	35	9,418		
INVIGOR LR344PC (LT)(RT)	—	—	—	—	—	43	9,386		
P502CL (ST)	—	—	—	—	—	44	9,260		
74-44 BL (RT)	37	41	39	32	25,133	35	8,740		
5545CL (ST)	—	40	48	43	12,120	44	7,444		
2024 CL (ST)	—	44	40	35	26,157	38	7,347		
CS2500 CL (ST)	—	—	48	41	4,903	39	7,306		
75-45 RR (RT)	36	42	41	40	10,292	34	6,079		
45H75 CL (ST)	41	49	43	42	8,953	44	5,748		
BY 6204 TF (RT)	—	—	—	—	—	34	4,826		
45A51 (RT)	—	—	49	50	3,425	49	4,535		
CS2100 (RT)	37	41	37	29	6,316	35	4,515		
V24-1 (RT)	—	—	—	—	—	35	3,996		
45H76 (ST)	36	42	36	45	5,673	41	3,862		
V33-1CL (ST)	—	—	—	—	—	42	3,740		
CS2600 CR-T (RT)	—	—	—	36	2,963	44	3,202		
L241C (LT)	42	48	45	46	11,215	44	3,031		
45CS40 (RT)	35	44	44	43	7,911	36	2,787		
DKTF 98 CR (RT)	—	—	—	—	—	35	2,767		
4157 RR (RT)	36	45	40	38	5,044	38	2,734		
PV 560 GM (RT)	—	40	35	30	6,412	38	2,576		
PV 761 TM (RT)	—	—	—	—	—	39	2,395		
PV 760 TM (RT)	—	—	—	—	—	37	2,359		
D3155C (RT)	40	36	44	40	2,524	28	1,962		
B3011 (LT)	—	—	—	—	—	45	1,889		
46H76 (ST)	—	—	45	45	3,742	44	1,848		
PV 660 LCM (LT)	—	—	—	—	—	40	1,837		
79K (ST)	—	—	—	27	1,000	30	1,636		
PV 585 GC (RT)	—	—	—	—	—	35	1,628		
501	—	—	—	39	1,208	41	1,490		
BY 5105 CL (ST)	—	—	—	—	—	49	1,471		
1134 CA	—	—	44	41	1,811	47	1,442		
D3156M (RT)	—	—	37	—	—	32	1,430		
3345 (RT)	—	—	—	—	—	44	1,257		
DKTF 92 SC (RT)	—	—	—	39	36,552	38	1,220		
SW WIZZARD	18	14	—	15	835	22	1,176		
P508MCL (ST)	—	—	—	—	—	38	1,140		
4187 RR (RT)	—	47	36	42	1,871	39	1,126		
L157H (LT)	39	48	45	41	18,484	46	1,060		
46A52 (RT)	—	—	—	—	—	46	1,056		
PV 530 G (RT)	32	35	41	—	—	23	995		
SY4166 (RT)	40	41	45	36	1,709	40	984		
68K (ST)	—	35	31	33	15,981	28	975		
L140P (LT)	42	50	45	44	28,072	32	900		

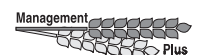
† Yields only for those varieties grown on more than 500 acres and by more than 2 growers;
‡ Weighted Average Yield and Total Acreage include acres not reported in the table.
¶ For additional characteristic codes, see the key at the end of the Risk Area tables.

CANOLA YIELDS BY VARIETY 2016–2020†							MANITOBA	
Variety‡	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
PV 780 TC (RT)	—	—	—	—	—	34	850	
45A76 (ST)	43	34	47	—	—	42	742	
5440 (LT)	42	44	31	21	1,967	24	699	
45CM36 (RT)	—	—	46	—	—	41	669	
1607CL (ST)	—	—	—	—	—	30	625	
V22-1 (RT)	34	39	38	32	9,916	30	542	
CP20R3C (RT)	—	—	—	—	—	39	540	
CS2200 CL (ST)	—	47	50	43	637	27	512	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES							43.0	3,204,299

WHEAT YIELDS BY VARIETY 2016–2020†							MANITOBA	
Variety‡	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
AAC BRANDON (RS)	55	70	65	61	1,785,707	65	1,604,390	
AAC VIEWFIELD EXP (RS)	—	77	69	64	219,989	65	302,116	
AAC ELIE (RS)	55	67	63	60	197,645	62	142,241	
AAC REDBERRY (RS)	—	66	64	59	51,389	61	132,739	
FALLER (NHR)	—	—	72	68	115,708	75	98,662	
CARDALE (RS)	51	68	61	57	100,995	61	67,271	
BOLLES (RS)	—	—	—	63	13,451	66	56,322	
CDC LANDMARK (RS)	—	73	70	66	54,749	59	43,944	
AAC TISDALE (RS)	—	—	66	54	26,820	57	32,264	
PROSPER (NHR)	—	—	75	62	34,613	78	30,895	
AAC CAMERON VB (RS)	—	53	59	56	26,970	62	22,460	
CDC PLENTIFUL (RS)	49	61	59	54	30,952	60	22,099	
SY ROWYN (PS)	61	77	69	63	35,592	77	20,536	
CARBERRY (RS)	45	58	54	45	27,419	53	18,236	
AAC STARBUCK (RS)	—	—	—	66	517	72	16,719	
SY TORACH (RS)	—	—	—	67	1,294	64	14,145	
GLENN (RS)	48	61	57	53	20,831	61	12,945	
AAC ALIDA (RS)	—	—	—	71	2,607	57	10,605	
AAC PENHOLD (PS)	65	78	73	66	14,238	72	10,480	
CDC STANLEY (RS)	45	62	49	49	14,162	57	10,049	
AAC ELEVATE (W)	—	—	40	60	1,048	65	9,497	
CDC HUGHES (RS)	—	—	71	65	8,019	56	8,611	
AAC WHEATLAND (RS)	—	—	—	—	—	69	8,001	
AAC GATEWAY (W)	81	66	62	58	9,847	65	7,135	
EMERSON (W)	71	59	52	58	16,796	62	6,485	
CDC VR MORRIS (RS)	49	60	68	58	8,284	68	5,511	
CS DAYBREAK (RS)	—	—	—	—	—	71	5,314	
CS ACCELERATE (PS)	—	—	—	—	—	67	4,755	
SY GABBRO (RS)	—	—	—	—	—	68	4,683	
AC DOMAIN (RS)	49	63	57	50	23,428	44	4,514	
AAC CONNERY (RS)	55	66	69	59	6,541	63	4,259	
AAC REDWATER (RS)	57	60	66	61	21,091	57	4,227	
5604HR CL (RS)	45	63	60	59	2,901	47	4,031	
5605HR CL (RS)	42	53	48	51	10,400	58	3,998	
AAC GOODWIN (PS)	—	—	—	—	—	92	3,191	
AC TRANSCEND (D)	—	—	—	—	—	73	2,993	
CDC GO (RS)	56	68	63	65	2,382	77	2,336	
CDC TITANIUM (RS)	48	56	59	51	6,643	51	2,316	
AAC LEROY VB (RS)	—	—	—	—	—	66	2,247	
AC BARRIE (RS)	39	43	45	41	4,044	54	2,071	
MUCHMORE (RS)	54	66	65	61	6,679	60	1,974	
CDC IMAGINE (RS)	66	74	63	—	—	62	1,854	
HARVEST (RS)	54	72	57	—	—	59	1,660	
AC SPLENDOR (RS)	44	48	42	—	—	57	1,567	
AAC WILDFIRE (W)	—	—	—	—	—	70	1,322	
AC STETTLER (RS)	—	—	77	73	2,814	58	962	
SNOWSTAR (HWS)	51	—	—	49	807	46	920	
CDC BUTEO (W)	62	49	49	41	1,322	55	773	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES							64.5	2,789,413

SOYBEAN YIELDS BY VARIETY 2016–2020†							MANITOBA	
Variety‡	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
S007-Y4 (RT)	44	38	33	32	192,869	41	171,970	
S0009-M2 (RT)	41	37	34	29	73,990	38	53,590	
LS MISTRAL (RT)	43	38	34	27	62,442	40	49,315	
DKB005-52 (RT)	54	38	32	28	57,517	41	47,297	
P006A37X (RR2X)	—	—	—	27	12,608	41	43,607	
TH 87003 R2X (RR2X)	46	34	33	30	52,603	37	42,091	
AKRAS R2 (RT)	41	35	30	27	51,368	38	32,550	
NSC SPERLING RR2Y (RT)	—	—	31	26	23,540	40	30,347	
25-10RY (RT)	47	33	32	27	42,913	40	23,017	
P005A27X (RR2X)	—	33	31	31	45,000	40	22,315	

† On system as of January 12, 2021;
‡ Assuming 48 lbs./bu.



SOYBEAN YIELDS BY VARIETY 2016–2020†								MANITOBA	
Variety‡	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres		
S006-M4X (RR2X)	—	—	31	27	20,633	42	18,165		
24-10RY (RT)	47	37	34	26	41,523	41	17,866		
PS 0027 RR (RT)	33	28	28	22	30,325	34	16,836		
NSC WARREN RR (RT)	30	26	25	26	7,912	30	16,353		
NSC WINKLER RR2X (RR2X)	—	—	—	26	1,374	41	15,735		
NSC WATSON RR2Y (RT)	41	34	31	26	29,971	33	15,009		
LS 001XT (RR2X)	—	—	—	30	5,644	36	13,127		
P00A49X (RR2X)	—	—	—	27	12,723	42	13,085		
LS 007XT (RR2X)	—	—	—	23	6,656	39	12,884		
ASTRO R2 (RT)	44	33	35	28	13,598	37	11,777		
DKB003-29 (RR2X)	—	—	31	30	22,491	37	10,995		
LS SOLAIRE (RT)	—	32	33	25	22,197	34	10,591		
P001A48X (RR2X)	—	—	—	39	1,606	39	10,253		
B003-29 (RT)	—	—	29	28	11,295	37	9,618		
DKB0009-89 (RR2X)	—	—	—	33	6,520	35	9,569		
LS 003R24N (RT)	44	33	35	28	19,579	36	9,528		
S003-Z4X (RR2X)	—	—	—	—	—	39	9,398		
NSC GLADSTONE RR2Y (RT)	40	32	33	26	14,959	38	8,934		
MAHONY R2 (RT)	44	35	31	33	17,524	39	8,697		
OAC PRUDENCE	32	24	23	19	5,221	25	8,565		
23-60RY (RT)	40	34	31	31	20,533	37	7,976		
P005A83X (RR2X)	—	—	—	29	922	38	7,873		
TH 88007 R2X (RR2X)	—	—	33	28	7,743	41	7,401		
NSC REDVERS RR2X (RR2X)	—	—	30	25	4,615	34	6,894		
SIBERIA	—	—	—	23	1,472	35	6,893		
DKB0005-44 (RR2X)	—	—	—	28	13,009	38	6,865		
BARKER R2X (RR2X)	—	29	32	24	7,390	38	6,606		
ISIS RR (RT)	38	31	23	24	21,333	30	6,561		
LS ECLIPSE (RT)	44	36	31	25	16,943	36	6,006		
P003A97X (RR2X)	—	—	—	28	3,297	39	5,733		
NSC RICHER RR2Y (RT)	44	33	33	28	17,436	39	5,729		
BOURKE R2X (RR2X)	—	—	—	28	585	40	5,676		
DKB002-32 (RR2X)	—	—	—	—	—	39	5,372		
SUNNA R2X (RR2X)	—	—	—	29	5,402	39	5,330		
NOCOMA R2 (RT)	—	—	31	27	7,210	33	5,145		
TH 33003 R2Y (RT)	39	34	32	25	10,507	33	5,002		
DKB005-51 (RT)	—	—	—	28	1,346	40	4,874		
PV 16S004 R2X (RR2X)	—	—	—	28	2,827	37	4,728		
NSC AUBIGNY RR2X (RR2X)	—	—	—	25	4,619	42	4,533		
S006-W5 (RT)	—	38	33	28	22,939	40	4,321		
TH 89004 R2X (RR2X)	—	—	—	—	—	34	3,886		
TORRO R2 (RT)	—	35	33	24	4,960	33	3,771		
LS 0036RR (RT)	48	26	40	26	3,807	38	3,757		
P007A08X (RR2X)	—	—	—	29	2,901	40	3,601		
KUDO R2X (RR2X)	—	—	—	—	—	37	3,470		
NSC CARTIER (RR2X)	—	—	—	—	—	38	3,343		
DKB006-29 (RR2X)	—	38	28	28	3,184	40	3,306		
NSC NEWTON RR2X (RR2X)	—	—	27	28	6,145	31	3,162		
PV 15S0009 R2X (RR2X)	—	—	—	26	1,964	33	3,123		
DKB006-99 (RR2X)	—	—	24	28	1,003	43	3,078		
NSC CULROSS RR2X (RR2X)	—	—	—	29	655	40	3,012		
TH 88005 R2X (RR2X)	—	—	31	29	3,423	43	2,932		
P002A63R (RT)	—	34	32	27	16,234	37	2,737		
PS 0068 XR (RR2X)	—	—	—	23	1,559	37	2,497		
S001-D8X (RR2X)	—	—	—	—	—	34	2,299		
PRINCE R2X (RR2X)	—	—	28	23	3,513	30	2,277		
LS 003R22 (RT)	40	33	29	26	3,283	39	2,170		
AMIRANI R2	—	—	—	—	—	34	2,043		
P007A90R (RT)	—	36	33	27	31,264	36	1,924		
RX00797 (RR2X)	—	—	32	23	2,245	37	1,843		
TH 33005 R2Y (RT)	46	35	32	25	2,406	36	1,804		
TH 32004 R2Y (RT)	42	37	31	24	7,722	38	1,751		
S007-A2XS (RR2X)	—	—	—	—	—	44	1,606		
AAC EDWARD	—	18	11	—	—	19	1,571		
FISHER R2X (RR2X)	—	—	—	19	788	36	1,557		
S0007B-7X (RR2X)	—	—	34	28	2,997	41	1,506		
B0066L1 (RT)	—	—	—	24	1,298	41	1,401		
RX ACRON (RR2X)	—	—	—	19	944	35	1,353		
ASTOR	—	—	—	—	—	36	1,313		
ELMO E3	—	—	—	—	—	40	1,266		
DH863	46	—	—	—	—	36	1,256		
LS 004XT (RR2X)	—	—	33	24	2,169	37	1,185		
PS 0074 R2 (RT)	43	36	28	24	3,745	39	1,167		
P0007A73X (RR2X)	—	—	—	13	969	42	1,138		
MAXUS	—	34	23	20	1,092	37	1,136		
DEVO R2X (RR2X)	—	—	—	20	875	23	1,073		
S005-C9X (RR2X)	—	—	—	—	—	39	1,066		

† 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.
¶ For additional characteristic codes, see the key at the end of the Risk Area tables.

SOYBEAN YIELDS BY VARIETY 2016–2020†								MANITOBA	
Variety‡	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres		
NSC COULEE RR (RT)	—	—	27	—	—	42	1,050		
TH 87000 R2X (RR2X)	—	—	19	29	2,128	35	1,010		
MERRITT R2X (RR2X)	—	—	—	—	—	39	976		
VIDAR R2X (RR2X)	—	—	—	—	—	45	969		
XB001D19X (RR2X)	—	—	—	—	—	40	969		
B0040L1 (RT)	—	—	—	25	3,151	41	820		
HANA	—	—	—	—	—	39	812		
BISHOP R2 (RT)	43	34	39	25	2,019	38	810		
PV 12S007 R2X (RR2X)	—	—	31	26	1,934	42	792		
XB005Q19X (RR2X)	—	—	—	—	—	44	769		
MANI R2X (RR2X)	—	—	—	27	607	50	765		
TH 27003RR (RT)	44	37	32	—	—	36	764		
RENUKA R2X (RR2X)	—	—	—	—	—	37	760		
DINERO R2X (RR2X)	—	—	—	27	2,572	37	741		
METEOR	—	—	—	22	624	33	740		
AC 0800RR (RT)	—	—	—	—	—	20	684		
P00A75X (RR2X)	—	—	—	—	—	40	675		
S0009-F2X (RR2X)	—	—	—	—	—	41	620		
NSC JORDAN RR2Y (RT)	—	34	30	25	7,116	37	591		
TH89009 R2XN (RR2X)	—	—	—	—	—	31	558		
DKB21-11 (RT)	—	—	—	29	544	43	548		
0066 XR (RR2X)	40	32	31	21	1,391	31	516		
LS 0065RR (RT)	—	—	—	—	—	34	510		
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§								38.1	1,052,918

OATS YIELDS BY VARIETY 2016–2020†								MANITOBA	
Variety‡	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres		
CS CAMDEN	125	140	111	103	201,342	120	207,835		
SUMMIT	116	137	110	105	185,055	126	199,313		
ORE3542M	—	—	126	114	13,801	132	47,253		
SOURIS	101	110	95	88	31,690	100	24,328		
CDC ARBORG	—	—	—	135	1,337	121	18,832		
ORE3541M	—	—	128	107	9,058	125	14,873		
PINNACLE	94	103	93	85	11,528	107	11,273		
CDC HAYMAKER	74	98	79	86	5,452	95	9,689		
AC MORGAN	97	110	94	100	5,681	92	5,496		
CDC SO-I	82	64	88	82	4,120	94	3,821		
LEGGETT	86	84	79	71	4,252	80	3,591		
FURLONG	97	101	75	78	3,957	96	2,865		
CDC BALER	89	101	60	66	2,608	75	2,568		
CDC MORRISON	87	143	99	95	2,345	120	2,094		
HAYWIRE	127	149	95	73	2,025	95	1,908		
BIG BROWN	109	121	108	102	2,060	115	1,825		
CDC DANCER	97	80	58	78	2,788	87	1,426		
AC ASSINIBOIA	92	85	63	77	1,051	82	1,299		
CDC NASSER	—	—	84	—	—	96	1,246		
TRIPLE CROWN	67	81	61	80	2,258	45	1,024		
GEHL	70	86	69	—	—	102	865		
TRIACTOR	100	123	130	88	1,082	113	773		
STRIDE	96	96	74	35	873	110	734		
CANMORE	—	—	—	—	—	57	630		
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§								119.6	576,240

BARLEY* YIELDS BY VARIETY 2016–2020†								MANITOBA	
Variety‡	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres		
CDC AUSTENSON	78	88	82	83	77,656	88	106,193		
CONLON	73	99	78	77	68,994	81	55,590		
AAC SYNERGY	76	91	86	87	32,358	90	34,361		
CDC COPELAND	70	82	81	75	26,913	76	27,646		
AAC CONNECT	—	—	80	86	13,806	89	23,997		
AC METCALFE	58	76	76	77	24,266	75	18,480		
CANMORE	80	100	84	84	10,192	85	12,655		
CELEBRATION	70	84	64	64	19,177	68	11,932		
CDC FRASER	—	—	—	95	3,102	83	10,668		
NEWDAL	69	78	65	80	12,247	79	9,556		
CLAYMORE	—	—	69	92	823	85	4,594		
TRADITION	69	92	73	71	5,859	75	4,336		
CDC BOW	—	—	—	81	1,249	63	3,691		
CHAMPION	65	77	78	81	5,060	78	3,615		
CDC MAVERICK	58	60	63	66	4,485	50	2,426		
OREANA	—	—	—	83	1,417	80	1,771		

BARLEY* YIELDS BY VARIETY 2016–2020†								MANITOBA	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020† Acres		
CDC COWBOY	54	48	54	58	1,124	55	1,159		
ROBUST	32	63	59	51	807	59	884		
CDC COPPER	—	—	—	—	—	81	788		
BENTLEY	71	66	72	77	2,730	78	745		
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						82.4	346,662		

CORN YIELDS BY VARIETY 2016–2020†								MANITOBA	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020† Acres		
P7211AM (LT)(RT)(HX1)	—	—	—	116	15,378	125	44,686		
P7527AM (LT)(RT)	—	137	123	127	85,765	130	34,570		
P7417AM (LT)(RT)(HX1)	—	—	—	124	2,894	123	22,478		
DKC33-78RIB (RIB)	176	156	133	139	48,204	156	22,291		
DKC29-89RIB (LT)(RT)(RIB)	—	—	—	125	9,774	138	17,843		
P7861AM (LT)(RT)(HX1)	—	—	—	—	—	126	14,693		
P7455R(RT)	—	—	—	115	29,666	133	13,047		
P7940AM (LT)(RT)(HX1)	—	—	—	122	2,178	140	7,925		
P7211HR	141	129	119	115	18,040	123	7,362		
P7958AM (HX1)	149	142	132	133	18,238	141	5,676		
DKC26-40 (RIB)	—	—	106	108	9,276	100	5,537		
A4939G2 RIB (RT)(RIB)	170	155	120	131	9,785	124	5,348		
DKC35-88RIB (RT)(RIB)	—	—	151	148	9,221	159	4,267		
TH 6977 VT2P (RT)	—	—	—	128	1,430	138	3,887		
TH7578 VT2P (RT)(RIB)	—	—	—	123	2,969	123	3,599		
CROPLAN 2123 VT2P/RIB (RIB)	—	—	110	123	1,642	122	3,551		
TH6079 VT2P (RT)(RIB)	—	—	—	—	—	143	2,920		
TH 6982 VT2P (RT)	—	—	—	123	4,944	122	2,844		
P7417R (RT)	—	—	—	—	—	100	2,673		
PV 61180 RIB (LT)(RT)	—	—	—	128	2,113	124	2,627		
LR 9983 VT2PRI (RT)(RIB)	—	—	—	—	—	164	2,501		
TH 7578 VT2P RIB (RT)(RIB)	148	130	126	124	11,935	129	2,189		
TH 6875 VT2P (RT)(RIB)	—	—	124	110	3,727	114	2,166		
DKC23-17RIB (RT)(RIB)	124	119	98	86	2,210	127	1,929		
DKC24-06RIB (RT)	—	—	—	—	—	106	1,825		
P7202AM (HX1)(LT)(RT)	132	121	115	103	11,111	114	1,810		
DKC31-85RIB (RT)(RIB)	—	—	—	—	—	153	1,783		
P7005AM (BT)(HX1)(LT)(RT)	119	106	105	123	2,044	126	1,768		
P8407AM (LT)(RT)(HX1)	—	—	—	—	—	158	1,759		
MZ 1688 DBR (LT)(RT)	—	—	—	127	842	123	1,597		
P8234AM (LT)(RT)(HX1)	—	—	—	136	9,661	135	1,581		
TH4072 RR (RT)	—	—	—	—	—	117	1,406		
DKC21-36RIB (RT)(RIB)	—	—	—	—	—	115	1,356		
P7861R (RT)	—	—	—	—	—	114	1,323		
A3993G2 RIB (RT)(RIB)	—	—	—	—	—	95	1,318		
LR 9076 VT2PRI (RT)(RIB)	—	—	—	—	—	131	1,168		
DKC32-12RIB (RT)(RIB)	175	164	116	112	5,742	130	1,063		
PV60075 RIB (RT)(RIB)	—	—	103	104	1,680	127	823		
DKC27-55RIB (BT)(RIB)	144	137	89	65	1,463	127	815		
2288VT2P (LT)(RT)(RIB)	—	—	—	—	—	152	800		
TH 7677 VT2P RIB (RT)(RIB)	146	123	112	100	1,317	131	749		
MZ 1624DBR (RT)(RIB)	—	—	—	—	—	134	747		
PS 2210VT2P RIB (RT)(RIB)	—	94	97	138	1,775	138	720		
TH6081 3220 (AGRISURE)	—	—	—	—	—	129	673		
NS 72-521 VT2P RIB (RT)	—	—	83	68	646	93	608		
P7958YHR (HX1)(LT)(RT)	—	—	104	110	1,881	147	568		
P572AMXT (LT)(RT)(HX1)	—	—	—	124	858	131	522		
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						129.8	279,759		

DRY BEAN YIELDS BY VARIETY 2016–2020†								MANITOBA	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020† Acres		
VIBRANT (PINTO)	—	2,635	2,066	1,424	27,708	2,324	60,052		
WINDBREAKER (PINTO)	1,744	2,407	1,944	1,173	19,200	2,436	26,547		
T9905 (WHITE PEA)	1,967	2,123	1,859	1,235	35,679	1,900	21,864		
ECLIPSE (BLACK)	1,609	2,103	1,722	1,407	20,381	1,953	13,429		
CDC BLACKSTRAP (BLACK)	—	—	1,982	1,003	5,054	1,759	6,243		
INDI (WHITE PEA)	2,487	2,046	1,673	1,151	6,687	1,828	5,842		
RED HAWK (KIDNEY)	1,001	1,691	1,023	637	5,523	1,601	5,660		
SV6139GR (PINTO)	—	—	—	1,446	1,678	1,559	4,121		
PINK PANTHER (KIDNEY)	1,351	2,167	1,510	1,259	3,577	2,288	4,053		
BOLT (WHITE PEA)	—	—	—	—	—	2,004	3,819		
ENVOY (WHITE PEA)	1,949	1,446	1,537	697	926	1,391	3,745		
CRIMSON (CRANBERRY)	—	2,416	2,482	1,629	2,967	2,509	2,308		
DS105WO (WHITE PEA)	—	—	—	—	—	1,605	1,825		
SV6533GR (PINTO)	2,154	2,324	2,094	1,689	1,207	1,812	1,598		
CHIANTI (CRANBERRY)	2,039	2,015	1,667	1,299	2,195	2,295	1,417		

† 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.
¶ For additional characteristic codes, see the key at the end of the Risk Area tables.

DRY BEAN YIELDS BY VARIETY 2016–2020†								MANITOBA	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020† Acres		
AAC ARGOSY (WHITE PEA)	—	—	—	—	—	2,434	1,382		
AAC SHOCK (WHITE PEA)	—	—	—	—	—	1,446	1,291		
BL BLACK TAILS (BLACK)	—	—	—	—	—	2,196	1,206		
MONTERREY (PINTO)	1,314	2,216	1,936	1,711	2,823	2,079	852		
BERYL (OTHER)	—	2,500	1,541	644	1,247	2,086	770		
ETNA (CRANBERRY)	—	1,799	1,682	1,206	843	1,378	729		
BLIZZARD (WHITE PEA)	—	—	—	—	—	2,500	602		
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						2114.4	182,626		

FIELD PEA YIELDS BY VARIETY 2016–2020†								MANITOBA	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020† Acres		
AAC CARVER	40	70	49	56	21,902	58	43,012		
CDC AMARILLO	37	49	46	50	23,702	53	21,674		
ABARTH	43	56	62	63	12,236	65	16,577		
AAC CHROME	—	—	—	65	1,123	66	15,626		
CDC MEADOW	39	55	51	48	15,321	53	14,861		
CDC INCA	—	—	41	43	2,114	66	4,909		
AAC LACOMBE	—	59	54	56	7,706	56	4,736		
4010	27	33	34	37	4,124	38	3,544		
CDC SAFFRON	60	70	58	72	2,890	69	2,453		
CDC RAEZER	—	—	—	49	1,829	42	2,078		
CDC FOREST	—	—	—	—	—	54	2,058		
CDC ATHABASCA	—	—	—	61	714	59	1,684		
CDC GREENWATER	—	—	—	39	1,622	55	1,539		
LIVIOLETTA	20	53	45	50	1,460	46	1,222		
CDC SPECTRUM	—	—	21	54	2,590	60	1,207		
CDC LEWOCHKO	—	—	—	—	—	64	992		
AGASSIZ	27	55	41	50	2,667	49	543		
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						57.4	143,726		



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† On system as of January 12, 2021;
* Assuming 48 lbs./bu.

SUNFLOWER YIELDS BY VARIETY 2016–2020†								MANITOBA	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres		
P63ME70 (ET) (O)	1,627	2,269	2,608	2,205	11,044	2,493	25,778		
6946 DMR (C)	1,598	2,112	1,907	1,914	13,156	2,405	12,768		
P63HE60 (ET) (O)	—	—	—	2,202	921	2,262	11,310		
TALON (ET) (O)	1,581	1,759	1,843	1,885	12,108	2,141	10,676		
N4HM354 (ST) (O)	—	2,213	2,564	1,927	4,562	2,244	9,914		
PANTHER DMR (C)	758	—	—	1,958	2,713	2,456	4,647		
6946 (C)	1,226	2,313	2,138	—	—	2,743	1,130		
PANTHER (C)	—	—	—	—	—	1,814	992		
P63A70 (O)	—	—	—	—	—	2,213	603		
P63ME80 (ET) (O)	1,548	2,321	2,430	1,951	9,990	2,846	529		
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						2335.3	83,482		

FLAX YIELDS BY VARIETY 2016–2020†								MANITOBA	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres		
CDC GLAS	26	35	27	17	11,594	36	14,204		
CDC SORREL	17	27	26	15	8,311	24	6,944		
CDC BETHUNE	21	27	23	19	7,343	29	5,228		
CDC NEELA	—	30	27	17	4,334	29	5,104		
AAC BRAVO	25	33	25	16	4,567	31	3,828		
WESTLIN 72	—	39	27	23	1,650	34	2,365		
TOPAZ	—	—	—	21	897	32	2,090		
NULIN VT 50	26	—	28	16	888	39	1,609		
HANLEY	30	36	20	—	—	34	1,214		
CDC PLAVA	—	—	—	—	—	24	503		
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						31.7	46,088		

RISK AREA 1

CANOLA YIELDS BY VARIETY 2016–2020†								RISK AREA 1	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres		
L233P (LT)	—	40	37	37	58,565	40	69,944		
L255PC (LT)	—	—	38	34	14,387	37	8,336		
INVIGOR L345PC (LT)	—	—	—	—	—	43	7,751		
L252 (LT)	36	36	38	34	16,738	37	5,705		
P501L (LT)	—	—	—	41	4,495	42	5,367		
DKLL 82 SC (LT)	—	—	—	—	—	39	4,036		
1028 RR (RT)	—	—	—	33	1,537	39	3,586		
DKTF 96 SC (RT)	—	—	—	—	—	35	3,566		
1026 RR (RT)	—	—	—	37	560	38	2,748		
INVIGOR L352C (LT)	—	—	—	—	—	41	2,664		
75-65 RR (RT)	36	33	37	25	5,245	41	2,103		
45CM39 (RT)	—	—	—	35	1,640	39	1,491		
DKTFLL 21 SC (RT)(LT)	—	—	—	—	—	40	1,150		
V14-1	—	—	—	—	—	37	1,032		
L234PC (LT)	—	—	—	36	989	36	970		
CS2100 (RT)	—	32	33	17	685	41	832		
46H75 (ST)	30	37	33	31	665	38	792		
L258HPC (LT)	—	—	—	34	852	44	788		
CS2300 (RT)	—	—	—	—	—	33	782		
INVIGOR LR344PC (LT)(RT)	—	—	—	—	—	40	725		
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						39.5	129,818		

WHEAT YIELDS BY VARIETY 2016–2020†								RISK AREA 1	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres		
AAC BRANDON (RS)	46	49	54	51	66,972	54	59,341		
AAC ELIE (RS)	52	49	54	51	23,538	55	24,103		
AAC VIEWFIELD EXP (RS)	—	—	55	50	5,458	54	7,083		
CARBERRY (RS)	39	45	48	50	6,391	50	4,701		
SY TORACH (RS)	—	—	—	—	—	57	4,387		
AAC CAMERON VB (RS)	—	44	50	44	2,773	49	2,177		
CDC HUGHES (RS)	—	—	—	51	810	45	1,784		
AAC TISDALE (RS)	—	—	—	57	842	39	1,300		
AAC ALIDA (RS)	—	—	—	—	—	36	1,176		
AAC REDBERRY (RS)	—	—	—	—	—	44	592		
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						53.1	111,362		

SOYBEAN YIELDS BY VARIETY 2016–2020†								RISK AREA 1	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres		
NSC WARREN RR (RT)	—	—	29	28	4,619	30	8,097		
S007-Y4 (RT)	40	34	26	34	8,339	36	7,673		

SOYBEAN YIELDS BY VARIETY 2016–2020†								RISK AREA 1	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres		
ISIS RR (RT)	35	32	22	22	5,813	31	3,692		
S006-M4X (RR2X)	—	—	—	—	—	39	901		
P005A27X (RR2X)	—	—	31	28	1,295	35	856		
TH 87003 R2X (RR2X)	—	—	—	21	1,704	37	799		
P006A37X (RR2X)	—	—	—	—	—	36	680		
S003-Z4X (RR2X)	—	—	—	—	—	37	650		
B003-29 (RT)	—	—	—	—	—	36	602		
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						33.7	30,307		

OATS YIELDS BY VARIETY 2016–2020†								RISK AREA 1	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres		
CS CAMDEN	113	84	104	94	16,749	106	17,421		
SUMMIT	100	101	95	97	12,481	105	12,510		
PINNACLE	98	99	99	95	5,643	101	6,445		
SOURIS	94	87	98	73	5,230	94	6,286		
LEGGETT	89	92	83	87	1,680	93	1,610		
CDC ARBORG	—	—	—	—	—	104	1,091		
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						102.5	47,381		

BARLEY* YIELDS BY VARIETY 2016–2020†								RISK AREA 1	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres		
CDC COPELAND	64	64	63	73	3,622	75	4,685		
AC METCALFE	—	—	66	86	3,094	78	2,899		
CDC AUSTENSON	—	—	79	75	1,624	77	2,897		
AAC CONNECT	—	—	—	90	1,412	87	2,872		
CELEBRATION	68	60	67	61	2,229	65	2,744		
AAC SYNERGY	80	77	—	90	879	90	930		
CLAYMORE	—	—	—	—	—	59	527		
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						74.4	19,720		

CORN YIELDS BY VARIETY 2016–2020†								RISK AREA 1	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres		
P7211AM (LT)(RT)(HX1)	—	—	—	—	—	97	1,958		
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						88.7	5,791		

DRY BEAN YIELDS BY VARIETY 2016–2020†								RISK AREA 1	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres		
CDC BLACKSTRAP (BLACK)	—	—	—	518	1,041	1,129	1,481		
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						1120.0	1,493		

FIELD PEA YIELDS BY VARIETY 2016–2020†								RISK AREA 1	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres		
CDC AMARILLO	36	38	40	47	5,429	50	3,958		
AAC CARVER	—	—	—	61	1,635	48	1,795		
CDC GREENWATER	—	—	—	—	—	46	892		
CDC MEADOW	34	45	43	45	1,320	55	838		
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						48.3	9,934		

SUNFLOWER YIELDS BY VARIETY 2016–2020†								RISK AREA 1	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres		
TALON (ET) (O)	1,543	1,759	1,563	1,861	3,699	2,086	4,709		
N4HM354 (ST) (O)	—	—	—	—	—	1,711	2,751		
P63ME70 (ET) (O)	1,191	1,618	—	—	—	1,475	1,370		
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						1728.3	12,795		

FLAX YIELDS BY VARIETY 2016–2020†								RISK AREA 1	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres		
CDC NEELA	—	—	26	16	2,223	23	1,988		
CDC BETHUNE	21	21	21	17	1,138	22	579		
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						24.8	4,152		

† 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.
¶ For additional characteristic codes, see the key at the end of the Risk Area tables.

‡ On system as of January 12, 2021;
* Assuming 48 lbs./bu.

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- › SY Rowyn
- › AAC Viewfield
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OATS

- › Summit
- › Camden
- › Ore3541M
- › Ore3542M
- › CDC Arborg

BARLEY

- › Conlon
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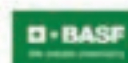
CANOLA

- › Liberty Link
- › Clearfield

PEAS

- › AAC Carver
- › AAC Chrome

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RISK AREA 2

CANOLA YIELDS BY VARIETY 2016–2020†						RISK AREA 2	
Variety‡	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres
L233P (LT)	—	50	47	43	210,039	46	222,920
INVIGOR L345PC (LT)	—	—	—	—	—	47	31,034
L255PC (LT)	—	—	47	43	24,801	44	15,278
DKLL 82 SC (LT)	—	—	—	—	—	44	12,536
L252 (LT)	40	47	44	39	25,576	41	8,562
DKTF 96 SC (RT)	—	—	—	—	—	36	6,512
1028 RR (RT)	—	—	—	36	910	40	4,220
P501L (LT)	—	—	—	42	3,232	40	3,201
INVIGOR LR344PC (LT)(RT)	—	—	—	—	—	40	2,948
2028 CL (ST)	—	—	—	—	—	44	2,939
75-65 RR (RT)	34	42	38	36	2,153	33	2,414
45CM39 (RT)	—	—	—	41	1,058	29	2,062
L230 (LT)	—	47	44	43	11,064	46	2,018
DKTFLL 21 SC (RT)(LT)	—	—	—	—	—	35	2,006
L234PC (LT)	—	—	—	43	2,327	38	1,915
L258HPC (LT)	—	—	—	39	985	44	1,643
INVIGOR L352C (LT)	—	—	—	—	—	51	1,545
1024 RR (RT)	—	—	33	34	719	32	1,505
45A51 (RT)	—	—	—	47	1,360	47	1,359
2026 CL (ST)	—	—	—	48	1,574	42	1,239
BY 6204 TF (RT)	—	—	—	—	—	44	716
1026 RR (RT)	—	—	—	13	680	35	657
PV 760 TM (RT)	—	—	—	—	—	36	578
PV 540 G (RT)	—	40	39	32	1,740	41	557
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§						45.2	339,782



† 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.
 ¶ For additional characteristic codes, see the key at the end of the Risk Area tables.

WHEAT YIELDS BY VARIETY 2016–2020†						RISK AREA 2	
Variety‡	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres
AAC BRANDON (RS)	55	64	64	59	213,963	66	186,112
AAC ELIE (RS)	58	64	67	63	46,066	64	31,710
AAC REDBERRY (RS)	—	—	65	69	6,151	66	16,331
AAC VIEWFIELD EXP (RS)	—	71	67	61	10,631	55	9,448
CDC PLENTIFUL (RS)	49	58	65	54	3,836	58	5,390
AAC CAMERON VB (RS)	—	—	64	66	5,510	67	5,342
AAC TISDALE (RS)	—	—	—	70	1,138	55	4,323
CARDALE (RS)	50	56	59	46	3,982	51	3,945
PROSPER (NHR)	—	—	75	55	6,521	63	3,530
AAC WHEATLAND (RS)	—	—	—	—	—	64	2,626
CS ACCELERATE (PS)	—	—	—	—	—	70	2,543
CARBERRY (RS)	48	51	48	49	2,041	47	2,305
AAC STARBUCK (RS)	—	—	—	—	—	59	2,147
CDC LANDMARK (RS)	—	—	62	—	—	55	1,614
FALLER (NHR)	—	—	79	91	1,265	85	1,213
BOLLES (RS)	—	—	—	—	—	66	837
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§						64.6	283,185

SOYBEAN YIELDS BY VARIETY 2016–2020†						RISK AREA 2	
Variety‡	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres
S007-Y4 (RT)	44	40	30	36	20,163	40	16,865
TH 87003 R2X (RR2X)	—	—	31	33	8,525	38	11,331
LS 001XT (RR2X)	—	—	—	34	2,911	34	4,790
NSC WARREN RR (RT)	—	—	—	22	922	27	4,518
AKRAS R2 (RT)	40	37	25	36	5,444	43	3,734
S006-M4X (RR2X)	—	—	33	39	1,280	43	3,429
DKB003-29 (RR2X)	—	—	30	33	7,537	39	2,927
P001A48X (RR2X)	—	—	—	—	—	40	2,724
S003-Z4X (RR2X)	—	—	—	—	—	40	2,503
SUNNA R2X (RR2X)	—	—	—	33	1,677	41	2,274
DKB0009-89 (RR2X)	—	—	—	34	3,278	36	2,155
DKB002-32 (RR2X)	—	—	—	—	—	40	1,777
NSC REDVERS RR2X (RR2X)	—	—	—	—	—	28	1,755
NSC WATSON RR2Y (RT)	32	38	29	31	2,109	36	1,734
LS 003R24N (RT)	—	36	26	38	2,893	36	1,582
P006A37X (RR2X)	—	—	—	—	—	42	1,509
P005A27X (RR2X)	—	—	22	37	5,747	40	1,469
LS SOLAIRE (RT)	—	—	26	36	2,373	38	1,416
PV 15S0009 R2X (RR2X)	—	—	—	—	—	32	1,188
B003-29 (RT)	—	—	—	36	1,164	34	1,142
NSC NEWTON RR2X (RR2X)	—	—	—	—	—	28	1,121
MAHONY R2 (RT)	47	38	30	37	1,977	42	885
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§						36.9	87,820

OATS YIELDS BY VARIETY 2016–2020†						RISK AREA 2	
Variety‡	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres
CS CAMDEN	—	137	118	117	18,841	131	24,609
SUMMIT	128	134	108	114	16,805	120	24,539
CDC ARBORG	—	—	—	—	—	122	4,098
CDC HAYMAKER	—	—	—	—	—	113	1,455
ORE3542M	—	—	—	—	—	106	1,206
SOURIS	95	93	103	113	1,933	134	606
ORE3541M	—	—	—	—	—	126	555
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§						124.2	58,588

BARLEY* YIELDS BY VARIETY 2016–2020†						RISK AREA 2	
Variety‡	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres
AAC SYNERGY	87	78	91	90	4,936	97	6,192
CDC AUSTENSON	90	100	105	100	2,715	90	6,078
CELEBRATION	75	71	64	76	5,959	66	2,269
CONLON	84	93	75	95	3,058	84	2,169
AC METCALFE	58	68	78	78	3,072	76	1,954
CDC COPELAND	84	—	65	66	2,058	82	1,423
NEWDAL	69	75	46	95	1,677	83	1,309
CDC FRASER	—	—	—	—	—	75	1,253
AAC CONNECT	—	—	—	80	1,139	85	1,232
TRADITION	63	76	70	—	—	75	1,106
CLAYMORE	—	—	—	—	—	86	725
CDC BOW	—	—	—	—	—	80	507
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§						85.0	27,314

† On system as of January 12, 2021;
 * Assuming 48 lbs./bu.



CORN YIELDS BY VARIETY 2016–2020†							RISK AREA 2	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020† Acres	
P7211AM (LT)(RT)(HX1)	—	—	—	103	1,256	116	7,657	
P7455R(RT)	—	—	—	106	5,768	102	1,668	
TH4072 RR (RT)	—	—	—	—	—	160	590	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							110.1	17,152

DRY BEAN YIELDS BY VARIETY 2016–2020†							RISK AREA 2	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020† Acres	
CDC BLACKSTRAP (BLACK)	—	—	1,757	1,074	2,501	1,951	2,655	
VIBRANT (PINTO)	—	—	—	—	—	1,984	1,844	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							1842.7	4,801

FIELD PEA YIELDS BY VARIETY 2016–2020†							RISK AREA 2	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020† Acres	
AAC CARVER	—	—	—	59	1,400	66	5,027	
AAC CHROME	—	—	—	—	—	69	1,915	
CDC AMARILLO	40	—	41	58	1,689	51	1,606	
CDC ATHABASCA	—	—	—	—	—	76	874	
CDC GREENWATER	—	—	—	—	—	66	532	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							62.2	11,240

FLAX YIELDS BY VARIETY 2016–2020†							RISK AREA 2	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020† Acres	
CDC SORREL	18	26	26	6	1,748	26	1,563	
NULIN VT 50	—	—	—	—	—	38	717	
CDC GLAS	—	—	—	9	553	38	694	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							31.5	3,259

RISK AREA 3

CANOLA YIELDS BY VARIETY 2016–2020†							RISK AREA 3	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020† Acres	
L233P (LT)	—	45	46	42	54,431	45	48,854	
45CM39 (RT)	—	—	—	40	3,282	39	13,315	
L255PC (LT)	—	—	48	44	9,764	46	13,171	
INVIGOR L345PC (LT)	—	—	—	—	—	49	10,953	
P501L (LT)	—	—	—	40	4,075	41	6,463	
L234PC (LT)	—	—	—	39	2,650	49	6,421	
L252 (LT)	39	43	42	41	16,488	41	6,103	
1028 RR (RT)	—	—	—	41	2,620	45	4,373	
DKTF 96 SC (RT)	—	—	—	—	—	41	3,028	
1026 RR (RT)	—	—	—	39	4,332	41	2,417	
DKLL 82 SC (LT)	—	—	—	—	—	48	2,379	
46H75 (ST)	33	41	45	40	4,339	42	2,219	
L230 (LT)	—	37	40	42	6,738	39	2,130	
45H33 (RT)	36	40	39	45	2,025	33	1,796	
1024 RR (RT)	—	—	38	37	3,881	23	1,421	
2026 CL (ST)	—	—	—	39	2,279	41	1,175	
75-65 RR (RT)	36	38	34	44	2,864	40	1,149	
75-45 RR (RT)	27	—	—	39	1,046	41	1,040	
2028 CL (ST)	—	—	—	—	—	42	937	
V14-1	—	—	—	—	—	44	885	
6074 RR (RT)	38	38	41	32	2,092	37	837	
INVIGOR L352C (LT)	—	—	—	—	—	44	571	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							43.3	142,637

WHEAT YIELDS BY VARIETY 2016–2020†							RISK AREA 3	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020† Acres	
AAC BRANDON (RS)	50	57	62	59	85,233	61	67,292	
AAC VIEWFIELD EXP (RS)	—	—	62	66	7,464	60	19,647	
AAC ELIE (RS)	43	55	64	59	18,594	59	11,073	
CDC LANDMARK (RS)	—	—	70	59	8,326	56	7,446	
AAC REDBERRY (RS)	—	—	62	49	1,575	58	6,371	
AAC TISDALE (RS)	—	—	—	52	1,657	53	5,181	
BOLLES (RS)	—	—	—	53	1,111	55	4,577	
GLENN (RS)	46	43	51	50	3,884	56	2,439	
AAC ALIDA (RS)	—	—	—	—	—	61	2,250	
CDC HUGHES (RS)	—	—	—	61	610	47	1,302	
SY TORACH (RS)	—	—	—	—	—	66	1,287	
CDC PLENTIFUL (RS)	47	52	62	50	1,901	62	1,133	

† 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.
¶ For additional characteristic codes, see the key at the end of the Risk Area tables.

WHEAT YIELDS BY VARIETY 2016–2020†							RISK AREA 3	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020† Acres	
CARBERRY (RS)	41	54	56	51	2,002	51	774	
AAC WHEATLAND (RS)	—	—	—	—	—	73	697	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							59.2	134,544

SOYBEAN YIELDS BY VARIETY 2016–2020†							RISK AREA 3	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020† Acres	
S007-Y4 (RT)	—	37	30	24	4,600	36	2,091	
NSC WARREN RR (RT)	—	—	—	—	—	35	1,594	
TH 87003 R2X (RR2X)	—	—	27	26	2,690	30	1,248	
S0009-M2 (RT)	39	31	31	32	1,684	36	943	
P005A27X (RR2X)	—	—	29	32	1,849	28	528	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							33.3	12,275

OATS YIELDS BY VARIETY 2016–2020†							RISK AREA 3	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020† Acres	
CS CAMDEN	131	91	90	93	4,036	109	4,634	
SUMMIT	88	83	70	73	3,009	107	2,863	
SOURIS	83	82	83	85	2,018	92	1,857	
LEGGETT	—	54	—	—	—	72	806	
CDC SO-I	—	—	—	91	734	94	666	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							97.7	13,759

BARLEY* YIELDS BY VARIETY 2016–2020†							RISK AREA 3	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020† Acres	
CDC AUSTENSON	72	80	75	80	5,831	92	10,295	
CDC COPELAND	63	72	79	78	2,922	82	3,485	
AAC CONNECT	—	—	—	84	2,532	85	2,265	
AC METCALFE	53	63	46	42	1,986	68	711	
NEWDAL	63	63	79	—	—	72	635	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							86.1	20,301



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Walt Smith	Pilot Mound	825-2000	MB Seeds	Lowe Farm	746-4652
Southern Seed	Minto	776-2333	Miller Agritec	Oakville	267-2363
Boissevain Select Seeds	Boissevain	534-6846	Nickel Bros.	Solsgrith	773-6734
Cattellier Seeds	Dufrost	347-5588	Pitura Seed Service	Domain	736-2849
Clearview Acres Ltd.	Virden	748-2666	Pugh Seeds	Portage la Prairie	274-2179
Court Seeds	Plumas	386-2354	Redsper Enterprises	Rivers	328-5346
Durand Seeds	Notre Dame	248-2268	Rutherford Farms	Grosse Isle	467-5613
Ellis Farm Supplies	Wawanesa	824-2290	R-Way Ag	St. Claude	379-2582
Ens Quality Seed	Winkler	325-4658	Seine River Seeds	Ste. Anne	355-4495
Friesen Seeds Ltd.	Morris	746-8325	Sierens Seeds	Somerset	744-2883
Gagnon Seeds	Ste. Rose	447-2118	Swan Valley Seeds	Swan River	734-2526
HB Agri-Seed Ltd.	Killarney	523-7464	Triple "S" Seed	Grandview	546-2590
James Farms	Winnipeg	222-8785	Wheat City Seeds	Brandon	727-3337
Jeffries Seeds Ltd.	Glenboro	827-2102	Wilson Seeds Ltd.	Darlingford	246-2388
Manness Seeds	Domain	736-2622	Zeghers Seed Farm	Holland	526-2145

† On system as of January 12, 2021;
* Assuming 48 lbs./bu.

CORN YIELDS BY VARIETY 2016–2020†							RISK AREA 3	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
P7211AM (LT)(RT)(HX1)	—	—	—	—	—	95	1,173	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							94.6	2,378

FIELD PEA YIELDS BY VARIETY 2016–2020†							RISK AREA 3	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
AAC CARVER	—	—	—	49	2,103	58	4,885	
CDC AMARILLO	—	32	37	43	2,361	58	2,645	
AAC CHROME	—	—	—	—	—	70	653	
CDC MEADOW	39	36	43	45	1,132	39	596	
4010	—	33	29	29	1,073	31	565	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							55.6	10,562

FLAX YIELDS BY VARIETY 2016–2020†							RISK AREA 3	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
CDC NEELA	—	—	—	26	528	27	1,021	
CDC BETHUNE	12	27	12	23	544	31	934	
TOPAZ	—	—	—	—	—	27	612	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							25.9	3,660

RISK AREA 4

CANOLA YIELDS BY VARIETY 2016–2020†							RISK AREA 4	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
L233P (LT)	—	51	47	44	98,351	44	113,169	
INVIGOR L345PC (LT)	—	—	—	—	—	46	13,228	
L255PC (LT)	—	—	50	45	11,478	42	6,270	
DKLL 82 SC (LT)	—	—	—	—	—	37	5,847	
L252 (LT)	43	46	44	40	26,794	42	5,570	
1028 RR (RT)	—	—	—	37	2,208	44	4,433	
45CM39 (RT)	—	—	—	40	1,324	38	3,202	
DKTF 96 SC (RT)	—	—	—	—	—	42	2,797	
2026 CL (ST)	—	—	34	37	3,170	42	2,713	
P501L (LT)	—	—	—	38	2,662	40	2,528	
2028 CL (ST)	—	—	—	—	—	35	2,503	
75-65 RR (RT)	36	41	36	34	2,507	32	2,109	
1026 RR (RT)	—	—	—	34	4,297	38	1,901	
PV 680 LC (LT)	—	—	—	—	—	38	1,687	
L230 (LT)	—	47	45	39	6,119	49	1,580	
B3010M (LT)	—	—	—	—	—	51	1,150	
L234PC (LT)	—	—	—	53	590	37	1,096	
CS2300 (RT)	—	—	—	32	1,679	30	1,077	
L258HPC (LT)	—	—	—	37	528	36	1,062	
45M35 (RT)	—	45	43	25	812	32	703	
PV 761 TM (RT)	—	—	—	—	—	51	684	
INVIGOR L352C (LT)	—	—	—	—	—	40	574	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							43.0	191,495

WHEAT YIELDS BY VARIETY 2016–2020†							RISK AREA 4	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
AAC BRANDON (RS)	55	67	60	61	146,862	60	154,149	
AAC VIEWFIELD EXP (RS)	—	—	67	52	8,655	59	9,923	
AAC ELIE (RS)	58	68	61	62	10,082	56	9,554	
PROSPER (NHR)	—	—	69	71	3,513	83	3,505	
FALLER (NHR)	—	—	57	68	6,406	64	2,984	
CARDALE (RS)	46	56	51	48	3,730	52	2,546	
BOLLES (RS)	—	—	—	—	—	66	1,879	
CDC PLENTIFUL (RS)	51	58	56	55	2,963	58	1,635	
AAC CAMERON VB (RS)	—	—	—	58	1,276	66	1,168	
AAC REDBERRY (RS)	—	—	—	—	—	58	943	
EMERSON (W)	62	60	53	—	—	69	798	
CDC LANDMARK (RS)	—	—	66	55	1,275	38	712	
5605HR CL (RS)	51	55	52	52	2,259	49	595	
AAC WHEATLAND (RS)	—	—	—	—	—	72	530	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							60.2	194,300

SOYBEAN YIELDS BY VARIETY 2016–2020†							RISK AREA 4	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
S007-Y4 (RT)	45	41	34	38	22,883	41	21,880	
TH 87003 R2X (RR2X)	—	—	32	37	7,555	35	4,609	

SOYBEAN YIELDS BY VARIETY 2016–2020†							RISK AREA 4	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
MAHONY R2 (RT)	52	39	31	38	5,257	39	4,478	
AKRAS R2 (RT)	43	38	35	33	2,715	45	2,738	
P005A27X (RR2X)	—	—	34	35	3,413	49	2,122	
S0009-M2 (RT)	41	40	33	32	2,046	38	1,983	
S003-Z4X (RR2X)	—	—	—	—	—	38	1,237	
BOURKE R2X (RR2X)	—	—	—	—	—	37	909	
DKB003-29 (RR2X)	—	—	—	32	1,815	37	845	
B003-29 (RT)	—	—	—	28	1,519	33	771	
23-60RY (RT)	41	36	32	36	2,822	37	689	
TH 89004 R2X (RR2X)	—	—	—	—	—	32	676	
PV 16S004 R2X (RR2X)	—	—	—	—	—	37	618	
DKB0009-89 (RR2X)	—	—	—	—	—	35	598	
P001A48X (RR2X)	—	—	—	—	—	43	564	
P005A83X (RR2X)	—	—	—	—	—	42	510	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							39.1	55,187

OATS YIELDS BY VARIETY 2016–2020†							RISK AREA 4	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
CS CAMDEN	—	91	91	87	7,743	96	7,264	
ORE3542M	—	—	—	—	—	91	2,587	
SUMMIT	105	94	78	77	3,158	94	1,426	
FURLONG	77	—	81	—	—	73	566	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							89.8	15,260

BARLEY* YIELDS BY VARIETY 2016–2020†							RISK AREA 4	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
CDC AUSTENSON	75	86	68	88	7,527	91	9,227	
CDC COPELAND	65	77	82	80	5,775	73	4,481	
CONLON	61	94	78	96	3,832	80	4,322	
NEWDAL	60	74	73	69	1,446	84	1,441	
CELEBRATION	67	64	65	70	1,360	51	1,393	
CLAYMORE	—	—	—	—	—	86	1,386	
AAC CONNECT	—	—	—	66	1,209	79	1,381	
CHAMPION	63	69	—	60	964	48	923	
CANMORE	—	—	—	—	—	93	655	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							79.5	27,610

CORN YIELDS BY VARIETY 2016–2020†							RISK AREA 4	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
P7211AM (LT)(RT)(HX1)	—	—	—	132	5,351	128	6,896	
P7211HR	135	130	121	110	3,519	126	1,762	
P7527AM (LT)(RT)	—	146	126	132	2,311	127	1,293	
P7202AM (HX1)(LT)(RT)	124	120	—	91	742	121	569	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							123.4	14,519

DRY BEAN YIELDS BY VARIETY 2016–2020†							RISK AREA 4	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
VIBRANT (PINTO)	—	—	—	2,610	1,552	2,355	5,940	
INDI (WHITE PEA)	—	2,125	—	1,742	607	1,627	1,779	
T9905 (WHITE PEA)	—	2,132	1,706	1,898	1,471	1,779	1,362	
BOLT (WHITE PEA)	—	—	—	—	—	1,911	1,195	
PINK PANTHER (KIDNEY)	—	—	2,222	2,134	795	2,388	1,085	
ECLIPSE (BLACK)	—	2,432	1,715	2,220	2,754	2,209	912	
CHIANTI (CRANBERRY)	—	—	1,828	1,239	1,498	2,418	895	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							2106.1	17,472

FIELD PEA YIELDS BY VARIETY 2016–2020†							RISK AREA 4	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
AAC CARVER	—	—	32	53	1,521	46	3,652	
CDC AMARILLO	32	42	30	47	3,574	45	3,580	
AAC CHROME	—	—	—	—	—	56	666	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							44.6	9,824

SUNFLOWER YIELDS BY VARIETY 2016–2020†							RISK AREA 4	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
P63ME70 (ET) (O)	2,302	2,288	2,571	2,238	1,585	2,502	1,939	
P63HE60 (ET) (O)	—	—	—	—	—	2,465	896	
N4HM354 (ST) (O)	—	2,504	—	—	—	1,914	839	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							2323.7	4,658

† 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.
¶ For additional characteristic codes, see the key at the end of the Risk Area tables.

‡ On system as of January 12, 2021;
* Assuming 48 lbs./bu.



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*Manager, Kelburn Farm, Richardson International Ltd.
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FLAX YIELDS BY VARIETY 2016–2020†							RISK AREA 4	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
CDC BETHUNE	24	29	29	19	2,240	30	1,392	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§							32.9	2,191

RISK AREA 5

CANOLA YIELDS BY VARIETY 2016–2020†							RISK AREA 5	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
L233P (LT)	—	54	50	46	120,196	45	95,321	
L255PC (LT)	—	—	52	49	68,662	46	53,616	
L234PC (LT)	—	—	—	48	19,653	45	27,954	
INVIGOR L345PC (LT)	—	—	—	—	—	49	27,142	
DKTF 96 SC (RT)	—	—	—	—	—	38	18,824	
1028 RR (RT)	—	—	—	41	3,623	42	12,667	
P501L (LT)	—	—	—	49	8,325	44	8,631	
B3010M (LT)	—	—	—	—	—	47	6,810	
DKTFLL 21 SC (RT)(LT)	—	—	—	—	—	40	6,678	
45CM39 (RT)	—	—	—	41	3,824	37	4,871	
2028 CL (ST)	—	—	—	35	925	44	4,818	
1026 RR (RT)	—	—	42	37	4,701	42	4,236	
2026 CL (ST)	—	—	50	40	4,693	43	2,812	
DKTF 98 CR (RT)	—	—	—	—	—	35	2,315	
1022 RR (RT)	36	44	40	38	7,811	34	2,229	
75-65 RR (RT)	34	42	39	32	8,467	38	2,100	
INVIGOR LR344PC (LT)(RT)	—	—	—	—	—	47	1,839	
PV 540 G (RT)	37	43	41	39	4,180	41	1,785	
DKLL 82 SC (LT)	—	—	—	—	—	43	1,727	
PV 680 LC (LT)	—	—	—	42	2,300	43	1,273	
4187 RR (RT)	—	—	49	44	1,588	39	1,126	
4157 RR (RT)	34	47	50	39	2,091	46	1,024	
CS2100 (RT)	44	45	39	33	899	40	1,015	
45M35 (RT)	—	43	—	37	1,730	42	1,012	
CS2600 CR-T (RT)	—	—	—	—	—	43	948	
L252 (LT)	41	49	48	43	11,428	46	934	
INVIGOR L352C (LT)	—	—	—	—	—	43	866	
PV 660 LCM (LT)	—	—	—	—	—	37	805	
L258HPC (LT)	—	—	—	—	—	46	795	
74-44 BL (RT)	37	44	44	38	4,625	40	753	
PV 760 TM (RT)	—	—	—	—	—	43	732	
45H33 (RT)	33	46	43	—	—	39	619	
1134 CA	—	—	—	—	—	49	530	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§							44.1	309,816

WHEAT YIELDS BY VARIETY 2016–2020†							RISK AREA 5	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
AAC BRANDON (RS)	55	73	71	65	229,425	67	205,507	
FALLER (NHR)	—	—	86	77	9,908	73	8,459	
AAC ELIE (RS)	52	66	65	64	9,247	66	8,286	
AAC REDBERRY (RS)	—	—	68	59	10,442	59	6,336	
AAC TISDALE (RS)	—	—	74	62	7,925	62	6,322	

WHEAT YIELDS BY VARIETY 2016–2020†							RISK AREA 5	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
CARDALE (RS)	50	66	59	61	7,373	56	5,713	
PROSPER (NHR)	—	—	71	72	3,405	72	3,622	
AAC GOODWIN (PS)	—	—	—	—	—	92	3,191	
AAC CAMERON VB (RS)	—	—	56	49	3,569	53	2,359	
SY TORACH (RS)	—	—	—	—	—	74	2,311	
CDC HUGHES (RS)	—	—	75	69	3,513	61	2,291	
AAC STARBUCK (RS)	—	—	—	—	—	77	1,366	
HARVEST (RS)	49	74	59	—	—	65	1,345	
CS ACCELERATE (PS)	—	—	—	—	—	49	1,040	
AAC VIEWFIELD EXP (RS)	—	83	70	77	1,370	56	878	
CARBERRY (RS)	48	65	58	27	989	43	849	
CDC TITANIUM (RS)	—	—	—	53	2,058	55	664	
CDC PLENTIFUL (RS)	45	63	56	31	1,816	51	562	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§							66.6	268,232

SOYBEAN YIELDS BY VARIETY 2016–2020†							RISK AREA 5	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
S007-Y4 (RT)	47	40	38	39	30,494	43	28,262	
S006-M4X (RR2X)	—	—	—	41	2,514	41	6,335	
P006A37X (RR2X)	—	—	—	41	1,338	42	5,572	
P005A27X (RR2X)	—	—	33	40	7,186	42	4,482	
TH 87003 R2X (RR2X)	—	—	30	40	2,850	42	3,527	
NSC WATSON RR2Y (RT)	42	38	32	35	3,084	41	2,320	
S0009-M2 (RT)	44	39	36	38	2,887	41	2,177	
AKRAS R2 (RT)	45	38	35	33	4,230	42	2,125	
MAHONY R2 (RT)	52	41	33	38	2,641	42	1,861	
B003-29 (RT)	—	—	30	33	1,327	38	1,833	
P001A48X (RR2X)	—	—	—	—	—	45	1,682	
23-60RY (RT)	44	38	39	34	4,296	41	1,406	
PS 0027 RR (RT)	35	32	31	35	1,793	40	1,203	
NOCOMA R2 (RT)	—	—	—	35	2,488	36	1,181	
NSC REDVERS RR2X (RR2X)	—	—	—	38	536	38	1,062	
S003-Z4X (RR2X)	—	—	—	—	—	47	861	
PV 16S004 R2X (RR2X)	—	—	—	—	—	39	792	
LS MISTRAL (RT)	—	—	35	33	1,010	43	682	
DKB003-29 (RR2X)	—	—	—	41	1,460	42	630	
SIBERIA	—	—	—	—	—	36	604	
BOURKE R2X (RR2X)	—	—	—	—	—	35	594	
LS SOLAIRE (RT)	—	—	—	34	578	42	531	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§							41.6	79,102

OATS YIELDS BY VARIETY 2016–2020†							RISK AREA 5	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
SUMMIT	137	150	128	130	14,524	134	23,407	
CS CAMDEN	131	138	111	118	16,718	122	15,842	
ORE3542M	—	—	—	129	595	130	4,345	
ORE3541M	—	—	—	120	1,669	137	2,511	
SOURIS	109	124	132	117	1,524	131	1,385	
CDC ARBORG	—	—	—	—	—	110	888	
CDC HAYMAKER	—	—	—	—	—	94	554	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§							128.3	52,812

† 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.
¶ For additional characteristic codes, see the key at the end of the Risk Area tables.

‡ On system as of January 12, 2021;
* Assuming 48 lbs./bu.



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BARLEY* YIELDS BY VARIETY 2016–2020†							RISK AREA 5	
Variety‡	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
CONLON	71	96	79	91	17,533	85	14,704	
CDC FRASER	—	—	—	104	1,336	84	6,415	
AAC CONNECT	—	—	—	104	690	90	5,055	
AAC SYNERGY	70	89	81	95	9,709	79	4,832	
CDC AUSTENSON	82	89	80	99	2,349	100	3,289	
CANMORE	—	—	—	—	—	71	812	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§							84.6	37,649

CORN YIELDS BY VARIETY 2016–2020†							RISK AREA 5	
Variety‡	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
P7211AM (LT)(RT)(HX1)	—	—	—	148	1,138	134	5,358	
P7527AM (LT)(RT)	—	—	137	160	3,545	142	2,600	
DKC29-89RIB (LT)(RT)(RIB)	—	—	—	138	680	138	1,208	
P7211HR	158	136	139	136	3,359	147	753	
P7417AM (LT)(RT)(HX1)	—	—	—	—	—	133	651	
P7861AM (LT)(RT)(HX1)	—	—	—	—	—	143	509	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§							135.4	16,339

DRY BEAN YIELDS BY VARIETY 2016–2020†							RISK AREA 5	
Variety‡	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
VIBRANT (PINTO)	—	—	2,339	1,349	6,821	2,280	9,720	
T9905 (WHITE PEA)	1,995	2,302	1,929	1,537	6,106	2,359	3,054	
RED HAWK (KIDNEY)	—	1,896	—	463	2,920	1,594	2,940	
ECLIPSE (BLACK)	—	2,359	1,847	1,695	2,529	2,094	2,650	
INDI (WHITE PEA)	—	1,989	1,874	1,116	1,556	2,050	1,872	
SV6139GR (PINTO)	—	—	—	—	—	666	1,147	
BOLT (WHITE PEA)	—	—	—	—	—	1,973	660	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§							2048.8	27,052

FIELD PEA YIELDS BY VARIETY 2016–2020†							RISK AREA 5	
Variety‡	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
AAC CARVER	—	—	49	67	1,990	68	3,668	
CDC AMARILLO	—	—	—	62	1,461	62	2,594	
AAC CHROME	—	—	—	—	—	75	1,813	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§							65.8	9,337

SUNFLOWER YIELDS BY VARIETY 2016–2020†							RISK AREA 5	
Variety‡	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
P63HE60 (ET) (O)	—	—	—	—	—	2,048	2,902	
6946 DMR (C)	1,429	2,154	1,825	2,222	1,541	2,359	2,051	
TALON (ET) (O)	—	—	—	—	—	1,715	981	
N4HM354 (ST) (O)	—	—	—	1,982	979	2,297	940	
6946 (C)	1,323	—	2,167	—	—	2,632	515	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§							2172.4	9,016

FLAX YIELDS BY VARIETY 2016–2020†							RISK AREA 5	
Variety‡	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
CDC GLAS	26	38	35	11	5,969	38	4,888	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§							34.8	6,629

RISK AREA 6

CANOLA YIELDS BY VARIETY 2016–2020†							RISK AREA 6	
Variety‡	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
L233P (LT)	—	53	50	47	108,678	43	123,873	
INVIGOR L345PC (LT)	—	—	—	—	—	46	27,240	
L255PC (LT)	—	—	55	46	22,844	43	18,956	
L252 (LT)	46	48	50	43	46,560	38	18,866	
45CM39 (RT)	—	—	—	39	8,774	37	15,385	
1028 RR (RT)	—	—	—	45	5,019	42	11,928	
1026 RR (RT)	—	—	48	38	11,418	40	10,004	
P501L (LT)	—	—	—	41	4,846	39	8,752	
L234PC (LT)	—	—	—	51	3,031	44	8,736	
PV 200 CL (ST)	40	46	48	41	7,082	38	7,899	
46H75 (ST)	44	50	48	45	10,444	38	6,585	

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

‡ On system as of January 12, 2021;

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

* Assuming 48 lbs./bu.

¶ For additional characteristic codes, see the key at the end of the Risk Area tables.



CANOLA YIELDS BY VARIETY 2016–2020†							RISK AREA 6	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
DKTF 96 SC (RT)	—	—	—	—	—	37	6,299	
2028 CL (ST)	—	—	—	—	—	43	5,780	
2026 CL (ST)	—	—	46	35	5,647	37	5,018	
74-44 BL (RT)	40	39	42	35	6,626	35	4,639	
L230 (LT)	—	47	47	39	11,282	37	4,618	
45H33 (RT)	43	45	49	35	7,204	36	4,500	
75-65 RR (RT)	38	45	44	35	4,888	35	3,799	
6074 RR (RT)	44	45	50	39	6,567	36	3,464	
CS2300 (RT)	—	—	52	40	2,562	33	3,358	
DKLL 82 SC (LT)	—	—	—	—	—	44	3,112	
INVIGOR L352C (LT)	—	—	—	—	—	45	3,080	
6090RR (RT)	—	—	—	43	1,651	34	2,790	
L258HPC (LT)	—	—	—	48	671	40	2,501	
B3010M (LT)	—	—	—	—	—	40	1,865	
PV 680 LC (LT)	—	—	—	44	538	43	1,806	
1024 RR (RT)	—	—	44	36	4,960	30	1,691	
P502CL (ST)	—	—	—	—	—	41	1,653	
V14-1	—	—	—	38	1,362	39	1,546	
PV 540 G (RT)	—	48	46	32	2,899	35	1,493	
45CS40 (RT)	29	45	50	40	2,477	31	1,334	
45M35 (RT)	—	50	51	41	3,821	38	1,133	
CS2100 (RT)	37	41	45	37	1,189	35	1,029	
V24-1 (RT)	—	—	—	—	—	33	1,029	
PV 761 TM (RT)	—	—	—	—	—	34	1,022	
BY 6204 TF (RT)	—	—	—	—	—	34	950	
D3156M (RT)	—	—	—	—	—	22	804	
V33-1CL (ST)	—	—	—	—	—	41	760	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						40.8	339,492	

WHEAT YIELDS BY VARIETY 2016–2020†							RISK AREA 6	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
AAC BRANDON (RS)	54	68	64	60	158,121	62	117,059	
AAC VIEWFIELD EXP (RS)	—	65	68	66	48,259	56	64,659	
AAC REDBERRY (RS)	—	—	60	56	11,248	58	34,479	
AAC ELIE (RS)	56	70	68	66	16,834	60	11,357	
FALLER (NHR)	—	—	74	70	11,137	67	9,615	
CDC LANDMARK (RS)	—	—	75	66	5,826	63	6,376	
BOLLES (RS)	—	—	—	68	934	63	6,110	
CDC PLENTIFUL (RS)	46	60	56	57	1,945	56	2,612	
AAC ALIDA (RS)	—	—	—	—	—	52	2,381	
GLENN (RS)	47	61	57	43	2,769	60	2,017	
AAC WHEATLAND (RS)	—	—	—	—	—	67	1,685	
AAC CAMERON VB (RS)	—	—	62	62	3,074	59	1,425	
AAC STARBUCK (RS)	—	—	—	—	—	66	1,296	
AAC GATEWAY (W)	60	69	—	—	—	71	888	
CARDALE (RS)	48	62	55	56	2,161	59	817	
AAC TISDALE (RS)	—	—	—	54	3,111	47	704	
CDC HUGHES (RS)	—	—	—	52	1,066	50	670	
5605HR CL (RS)	56	55	51	58	1,217	38	650	
AC DOMAIN (RS)	45	49	43	16	1,312	29	607	
SY GABBRO (RS)	—	—	—	—	—	57	547	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						59.7	273,163	

SOYBEAN YIELDS BY VARIETY 2016–2020†							RISK AREA 6	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
S0009-M2 (RT)	40	35	33	31	9,723	39	7,252	
S007-Y4 (RT)	47	38	33	38	9,058	39	4,805	
DKB0009-89 (RR2X)	—	—	—	31	1,818	33	1,975	
S003-Z4X (RR2X)	—	—	—	—	—	37	1,760	
NSC WATSON RR2Y (RT)	39	31	30	31	1,912	31	1,744	
DKB0005-44 (RR2X)	—	—	—	31	3,308	34	1,706	
P005A27X (RR2X)	—	—	33	29	4,023	33	1,434	
AKRAS R2 (RT)	47	37	32	31	3,795	33	1,245	
DKB003-29 (RR2X)	—	—	33	31	1,910	41	1,209	
NSC REDVERS RR2X (RR2X)	—	—	—	—	—	35	1,155	
TH 87003 R2X (RR2X)	—	—	31	27	1,595	38	1,000	
P001A48X (RR2X)	—	—	—	—	—	35	993	
DKB002-32 (RR2X)	—	—	—	—	—	38	811	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						36.5	34,062	

OATS YIELDS BY VARIETY 2016–2020†							RISK AREA 6	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
CS CAMDEN	94	109	120	109	9,330	115	12,083	
SUMMIT	103	122	112	87	7,082	117	7,398	

OATS YIELDS BY VARIETY 2016–2020†							RISK AREA 6	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
CDC HAYMAKER	—	—	—	89	560	88	1,119	
CDC ARBORG	—	—	—	—	—	113	535	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						111.1	24,388	

BARLEY* YIELDS BY VARIETY 2016–2020†							RISK AREA 6	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
CDC AUSTENSON	72	82	83	83	13,526	85	21,575	
CDC COPELAND	80	85	83	80	8,261	73	9,181	
AC METCALFE	65	78	82	84	3,737	70	4,920	
AAC CONNECT	—	—	79	82	2,535	84	4,450	
CONLON	77	99	92	86	5,228	80	3,807	
NEWDAL	68	83	77	81	3,141	73	2,808	
AAC SYNERGY	91	92	99	106	1,361	91	2,073	
CDC FRASER	—	—	—	—	—	91	697	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						79.8	51,404	

CORN YIELDS BY VARIETY 2016–2020†							RISK AREA 6	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
P7211AM (LT)(RT)(HX1)	—	—	—	—	—	96	1,200	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						88.0	2,392	

FIELD PEA YIELDS BY VARIETY 2016–2020†							RISK AREA 6	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
AAC CARVER	—	—	—	57	833	46	5,299	
CDC MEADOW	39	60	53	53	3,360	44	3,499	
AAC CHROME	—	—	—	—	—	51	2,961	
CDC AMARILLO	32	48	51	50	4,362	48	2,914	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						47.1	17,875	

SUNFLOWER YIELDS BY VARIETY 2016–2020†							RISK AREA 6	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
P63ME70 (ET) (O)	—	—	—	2,456	1,270	2,385	1,348	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						2356.7	1,518	

FLAX YIELDS BY VARIETY 2016–2020†							RISK AREA 6	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
CDC BETHUNE	18	27	28	12	1,713	23	1,174	
AAC BRAVO	—	—	—	22	775	28	987	
TOPAZ	—	—	—	22	788	34	693	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						29.1	4,403	

RISK AREA 7

CANOLA YIELDS BY VARIETY 2016–2020†							RISK AREA 7	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
L233P (LT)	—	51	51	51	65,848	48	65,039	
INVIGOR L345PC (LT)	—	—	—	—	—	51	17,185	
L234PC (LT)	—	—	—	52	5,586	45	12,473	
1028 RR (RT)	—	—	—	39	1,736	43	8,975	
45CM39 (RT)	—	—	—	48	6,808	43	7,937	
1026 RR (RT)	—	—	—	37	6,889	43	7,515	
6074 RR (RT)	38	42	48	47	8,442	39	7,152	
L252 (LT)	44	46	49	47	19,338	44	6,502	
L255PC (LT)	—	—	55	54	9,620	47	6,049	
P501L (LT)	—	—	—	52	2,033	46	5,456	
6090RR (RT)	—	—	—	43	1,033	41	3,739	
1024 RR (RT)	—	—	40	42	5,746	43	3,263	
DKTF 96 SC (RT)	—	—	—	—	—	43	2,891	
75-65 RR (RT)	39	45	49	47	2,817	39	2,598	
L230 (LT)	—	47	47	46	10,305	47	2,519	
DKLL 82 SC (LT)	—	—	—	—	—	43	2,404	
45H33 (RT)	43	44	44	41	2,043	39	2,105	
CS2300 (RT)	—	—	51	50	890	44	1,947	
B3010M (LT)	—	—	—	—	—	38	1,381	
PV 200 CL (ST)	38	45	—	46	938	40	1,166	
L258HPC (LT)	—	—	—	—	—	46	1,029	
INVIGOR L352C (LT)	—	—	—	—	—	45	1,010	

† 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.
¶ For additional characteristic codes, see the key at the end of the Risk Area tables.

‡ On system as of January 12, 2021;
* Assuming 48 lbs./bu.

CANOLA YIELDS BY VARIETY 2016–2020†							RISK AREA 7	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
V14-1	—	—	—	—	—	45	1,000	
PV 540 G (RT)	—	—	48	29	1,598	27	991	
45CS40 (RT)	43	45	46	47	2,282	42	953	
45A51 (RT)	—	—	—	—	—	52	778	
75-45 RR (RT)	40	43	42	41	1,592	42	761	
P502CL (ST)	—	—	—	—	—	49	620	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							45.6	183,353

WHEAT YIELDS BY VARIETY 2016–2020†							RISK AREA 7	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
AAC BRANDON (RS)	51	65	68	62	68,578	63	40,372	
AAC REDBERRY (RS)	—	—	64	63	10,769	62	24,578	
BOLLES (RS)	—	—	—	68	5,904	65	24,561	
AAC VIEWFIELD EXP (RS)	—	—	73	67	18,850	55	20,568	
CDC LANDMARK (RS)	—	73	73	67	21,952	65	17,993	
AAC ALIDA (RS)	—	—	—	76	1,999	64	4,185	
AAC STARBUCK (RS)	—	—	—	—	—	79	2,990	
AAC CAMERON VB (RS)	—	—	—	61	1,246	66	2,031	
AAC WHEATLAND (RS)	—	—	—	—	—	73	1,653	
AAC REDWATER (RS)	57	58	67	64	10,364	56	1,526	
GLENN (RS)	49	56	65	49	1,811	61	1,433	
CDC PLENTIFUL (RS)	42	60	66	66	2,316	72	1,147	
AAC ELIE (RS)	62	65	72	66	3,790	63	859	
SY GABBRO (RS)	—	—	—	—	—	62	748	
CARDALE (RS)	47	65	64	53	1,810	60	724	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							63.0	148,749

SOYBEAN YIELDS BY VARIETY 2016–2020†							RISK AREA 7	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
S0009-M2 (RT)	39	35	29	33	4,580	37	3,205	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							32.7	6,115

OATS YIELDS BY VARIETY 2016–2020†							RISK AREA 7	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
CS CAMDEN	119	91	120	117	4,689	112	10,828	
SUMMIT	107	121	99	99	4,561	103	2,807	
CDC SO-I	—	—	—	—	—	102	654	
CDC ARBORG	—	—	—	—	—	124	547	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							109.1	16,205

BARLEY* YIELDS BY VARIETY 2016–2020†							RISK AREA 7	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
CDC AUSTENSON	69	76	87	88	4,454	91	5,551	
AAC CONNECT	—	—	82	97	2,557	98	4,758	
AAC SYNERGY	70	87	93	91	2,484	94	2,400	
CDC FRASER	—	—	—	89	677	85	1,861	
CDC COPELAND	—	88	93	85	1,807	91	1,766	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							91.5	18,448

FIELD PEA YIELDS BY VARIETY 2016–2020†							RISK AREA 7	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
AAC CARVER	—	—	—	60	1,463	69	2,883	
AAC CHROME	—	—	—	—	—	71	1,239	
CDC MEADOW	37	45	55	56	861	59	1,122	
CDC AMARILLO	34	58	47	54	685	41	883	
AAC LACOMBE	—	—	57	60	1,736	58	750	
ABARTH	—	—	—	—	—	75	634	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							60.9	9,748

FLAX YIELDS BY VARIETY 2016–2020†							RISK AREA 7	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
AAC BRAVO	—	—	—	—	—	25	545	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							29.2	1,130

† Yields only for those varieties grown on more than 500 acres and by more than 2 growers;
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 ¶ For additional characteristic codes, see the key at the end of the Risk Area tables.

‡ On system as of January 12, 2021;
 * Assuming 48 lbs./bu.





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Catellier Seed Service	204-347-5588	LD Seeds	204-324-5798	R-Way Ag	866-398-9643
Clearview Acres	204-748-2666	Manness Seeds	204-736-2622	Seine River Seed Farm	204-355-4495
Court Seeds	204-386-2354	MB Seeds	204-746-4652	Southern Seed	204-776-2333
Durand Seeds	204-248-2268	Miller Agritec	204-267-2363	Timchishen Seeds	204-376-5116
Friesen Seeds	204-746-8325	New Gen Seed Service	204-274-2417	Unger Seed Farm	204-467-8630
Gerrard Family Seeds	204-365-0321	Pitura Seed Service	204-736-2849	Wheat City Seeds	204-727-3337
Hulme Agra Products	204-685-2627	Red River Seeds	204-746-4779	Wilson Seeds	204-246-2119



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RISK AREA 8

CANOLA YIELDS BY VARIETY 2016–2020†							RISK AREA 8	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
L255PC (LT)	—	—	59	54	67,969	48	72,495	
L233P (LT)	—	56	48	50	45,319	42	43,903	
L234PC (LT)	—	—	—	54	30,753	45	41,112	
INVIGOR L345PC (LT)	—	—	—	—	—	50	17,079	
45CM39 (RT)	—	—	—	47	8,745	37	14,547	
P501L (LT)	—	—	—	48	9,828	41	13,497	
1024 RR (RT)	—	—	—	45	955	33	3,147	
1028 RR (RT)	—	—	—	—	—	37	2,926	
46H75 (ST)	52	51	42	48	6,515	49	2,530	
6090RR (RT)	—	—	—	48	2,997	40	2,479	
L252 (LT)	52	50	45	51	8,271	44	2,412	
DKTF 96 SC (RT)	—	—	—	—	—	37	2,170	
L241C (LT)	57	55	55	52	3,059	44	2,066	
PV 540 G (RT)	—	40	41	38	1,975	37	1,895	
P502CL (ST)	—	—	—	—	—	41	1,398	
L230 (LT)	—	47	41	47	2,560	31	1,381	
75-65 RR (RT)	49	47	44	48	3,351	34	1,137	
6074 RR (RT)	41	44	45	46	2,276	25	939	
INVIGOR L352C (LT)	—	—	—	—	—	51	935	
CS2600 CR-T (RT)	—	—	—	—	—	47	900	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							44.3	237,346

WHEAT YIELDS BY VARIETY 2016–2020†							RISK AREA 8	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
AAC VIEWFIELD EXP (RS)	—	86	84	64	56,565	74	77,465	
AAC BRANDON (RS)	62	82	74	63	40,097	71	22,702	
CARDALE (RS)	60	77	72	66	12,027	65	7,454	
AAC REDBERRY (RS)	—	—	—	63	2,017	58	5,100	
AAC CONNERY (RS)	—	71	76	62	4,612	63	3,376	
CDC GO (RS)	69	—	—	66	1,917	78	2,074	
CDC IMAGINE (RS)	66	74	63	—	—	62	1,854	
BOLLES (RS)	—	—	—	—	—	69	1,619	
AAC TISDALE (RS)	—	—	—	—	—	60	1,538	
CDC LANDMARK (RS)	—	—	78	66	5,131	66	1,298	
CDC PLENTIFUL (RS)	55	68	60	46	1,928	53	1,058	
AC STETTLER (RS)	—	—	77	73	2,814	58	962	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							70.9	132,294

SOYBEAN YIELDS BY VARIETY 2016–2020†							RISK AREA 8	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
S0009-M2 (RT)	42	40	43	35	10,909	42	3,948	
PS 0027 RR (RT)	—	40	37	36	1,909	28	1,494	
NSC WATSON RR2Y (RT)	47	39	37	28	4,393	28	707	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							36.9	9,706

OATS YIELDS BY VARIETY 2016–2020†							RISK AREA 8	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
SUMMIT	101	99	105	89	5,907	86	5,221	
CDC SO-I	—	—	—	—	—	86	745	
CDC HAYMAKER	—	—	—	77	726	70	626	
SOURIS	88	110	80	111	1,330	71	605	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							84.6	8,255

BARLEY* YIELDS BY VARIETY 2016–2020†							RISK AREA 8	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
CDC AUSTENSON	72	96	91	102	1,850	98	1,751	
CDC BOW	—	—	—	—	—	79	605	
AAC SYNERGY	—	—	—	—	—	113	551	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							86.1	4,058

FIELD PEA YIELDS BY VARIETY 2016–2020†							RISK AREA 8	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
ABARTH	—	57	61	64	7,531	64	10,161	
CDC INCA	—	—	—	—	—	69	3,597	
CDC SAFFRON	77	76	64	72	2,828	69	2,453	
AAC CHROME	—	—	—	—	—	74	1,927	
CDC MEADOW	60	70	61	43	3,920	64	1,602	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							67.0	21,132

RISK AREA 9

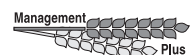
CANOLA YIELDS BY VARIETY 2016–2020†							RISK AREA 9	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
L233P (LT)	—	51	47	45	147,931	43	163,237	
L252 (LT)	46	48	46	42	55,314	40	32,146	
1026 RR (RT)	—	—	—	45	8,092	42	20,168	
INVIGOR L345PC (LT)	—	—	—	—	—	48	16,131	
L234PC (LT)	—	—	—	54	4,999	45	12,426	
1028 RR (RT)	—	—	—	58	2,739	39	11,812	
DKTF 96 SC (RT)	—	—	—	—	—	45	11,565	
75-65 RR (RT)	40	44	47	36	14,591	34	10,645	
45CM39 (RT)	—	—	—	54	1,250	52	10,002	
2028 CL (ST)	—	—	—	33	1,055	33	9,992	
DKLL 82 SC (LT)	—	—	—	—	—	42	9,912	
P501L (LT)	—	—	—	49	4,720	46	9,333	
B3010M (LT)	—	—	—	44	1,388	37	5,729	
L255PC (LT)	—	—	50	49	9,727	46	4,619	
CS2500 CL (ST)	—	—	—	40	2,721	39	4,308	
1022 RR (RT)	42	46	44	42	11,718	37	4,042	
46H75 (ST)	40	46	42	43	5,292	32	3,679	
INVIGOR L352C (LT)	—	—	—	—	—	44	3,525	
45M35 (RT)	—	50	56	57	9,091	49	2,377	
L258HPC (LT)	—	—	—	42	926	41	2,250	
1024 RR (RT)	—	—	39	41	11,936	39	2,222	
L230 (LT)	—	46	47	45	6,536	36	2,105	
PV 540 G (RT)	—	44	40	22	2,479	16	2,031	
D3155C (RT)	—	—	—	37	1,739	28	1,962	
PV 200 CL (ST)	45	39	40	38	5,149	31	1,915	
5545CL (ST)	—	—	54	43	1,678	40	1,806	
2026 CL (ST)	—	—	41	35	3,766	25	1,494	
45H33 (RT)	45	40	45	—	—	34	1,470	
6090RR (RT)	—	—	—	52	3,242	40	1,389	
V14-1	—	33	—	—	—	37	1,388	
6074 RR (RT)	49	46	43	44	3,313	44	1,286	
DKTFL 21 SC (RT)(LT)	—	—	—	—	—	32	1,175	
75-45 RR (RT)	52	45	52	52	2,849	43	996	
45H76 (ST)	—	43	38	—	—	39	908	
BY 6204 TF (RT)	—	—	—	—	—	35	899	
P502CL (ST)	—	—	—	—	—	38	881	
45A51 (RT)	—	—	—	—	—	53	812	
PV 761 TM (RT)	—	—	—	—	—	36	689	
79K (ST)	—	—	—	—	—	26	660	
CS2200 CL (ST)	—	—	—	—	—	27	512	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							41.7	384,833

WHEAT YIELDS BY VARIETY 2016–2020†							RISK AREA 9	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
AAC BRANDON (RS)	55	69	63	58	134,342	65	117,767	
AAC VIEWFIELD EXP (RS)	—	—	67	68	24,028	70	38,225	
AAC REDBERRY (RS)	—	—	46	56	6,102	66	32,048	
CARDALE (RS)	52	64	59	56	16,946	64	15,197	
AAC TISDALE (RS)	—	—	55	44	6,599	56	9,033	
CDC PLENTIFUL (RS)	52	64	64	59	12,132	65	7,562	
AAC CAMERON VB (RS)	—	—	68	58	4,867	62	5,688	
FALLER (NHR)	—	—	79	75	7,217	77	5,245	
CDC STANLEY (RS)	53	66	54	53	10,011	62	5,055	
CDC VR MORRIS (RS)	55	71	70	58	7,276	69	4,873	
BOLLES (RS)	—	—	—	66	1,025	70	4,781	
AAC ELIE (RS)	52	70	56	60	17,856	68	3,345	
AC DOMAIN (RS)	50	65	60	55	12,610	50	2,888	
GLENN (RS)	49	62	54	53	3,274	51	2,324	
5604HR CL (RS)	—	—	—	—	—	51	1,850	
SY TORACH (RS)	—	—	—	—	—	58	1,702	
AAC REDWATER (RS)	58	71	56	50	2,206	61	1,491	
CDC LANDMARK (RS)	—	—	66	68	1,460	63	1,486	
CARBERRY (RS)	50	59	61	40	4,490	55	1,344	
SY GABBRO (RS)	—	—	—	—	—	65	1,319	
CDC HUGHES (RS)	—	—	—	—	—	69	820	
CDC BUTEO (W)	60	56	50	40	1,227	55	773	
CS ACCELERATE (PS)	—	—	—	—	—	84	747	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							65.1	271,364

SOYBEAN YIELDS BY VARIETY 2016–2020†							RISK AREA 9	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
S0009-M2 (RT)	41	39	35	25	31,234	37	26,315	
S007-Y4 (RT)	41	39	35	24	6,160	39	9,039	
AKRAS R2 (RT)	38	38	35	23	9,559	36	6,304	

† 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.
 ¶ For additional characteristic codes, see the key at the end of the Risk Area tables.

‡ On system as of January 12, 2021;
 * Assuming 48 lbs./bu.



SOYBEAN YIELDS BY VARIETY 2016–2020†						RISK AREA 9	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres
NOCOMA R2 (RT)	—	—	—	22	3,745	33	3,287
DKB0009-89 (RR2X)	—	—	—	30	880	38	3,237
LS SOLAIRE (RT)	—	—	—	18	5,093	27	3,207
NSC WATSON RR2Y (RT)	45	34	34	26	6,172	28	3,079
TORRO R2 (RT)	—	38	30	16	1,920	31	2,041
LS 001XT (RR2X)	—	—	—	—	—	30	1,949
ISIS RR (RT)	37	30	28	21	3,194	29	1,663
FISHER R2X (RR2X)	—	—	—	17	698	36	1,557
P002A63R (RT)	—	—	31	24	4,931	36	1,388
DKB002-32 (RR2X)	—	—	—	—	—	40	945
NSC WARREN RR (RT)	32	28	26	24	1,050	37	896
DKB0005-44 (RR2X)	—	—	—	29	1,690	31	640
P001A48X (RR2X)	—	—	—	—	—	37	610
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§						35.0	72,984

OATS YIELDS BY VARIETY 2016–2020†						RISK AREA 9	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres
SUMMIT	89	105	90	72	6,466	113	8,086
CS CAMDEN	140	121	67	61	3,613	95	4,444
AC MORGAN	100	112	85	99	4,098	88	3,708
SOURIS	79	93	76	60	2,684	80	3,447
CDC HAYMAKER	—	—	63	50	744	95	2,775
CDC ARBORG	—	—	—	—	—	125	2,292
CDC BALER	—	—	60	62	2,210	80	1,479
LEGGETT	96	82	—	54	615	47	611
CDC SO-I	91	73	99	92	1,388	97	586
TRIPLE CROWN	59	56	46	63	527	50	527
ORE3541M	—	—	—	—	—	111	516
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§						95.1	32,327

BARLEY* YIELDS BY VARIETY 2016–2020†						RISK AREA 9	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres
CDC AUSTENSON	71	71	81	78	9,343	81	11,390
AC METCALFE	59	73	73	80	2,448	84	3,641
CONLON	38	—	52	43	4,027	51	2,420
CELEBRATION	60	72	54	45	2,317	67	1,946
AAC CONNECT	—	—	—	90	835	84	855
NEWDAL	72	65	—	65	1,124	76	780
CDC COPELAND	—	—	66	44	2,000	78	674
ROBUST	—	—	—	—	—	46	616
LEGACY	68	—	65	48	647	68	596
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§						74.5	28,142

CORN YIELDS BY VARIETY 2016–2020†						RISK AREA 9	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres
P7211AM (LT)(RT)(HX1)	—	—	—	—	—	129	2,082
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§						119.1	3,327

FIELD PEA YIELDS BY VARIETY 2016–2020†						RISK AREA 9	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres
CDC MEADOW	51	55	54	48	2,634	57	5,347
ABARTH	47	63	67	61	4,275	66	5,305
CDC AMARILLO	56	60	63	54	3,465	69	2,845
AAC CARVER	—	—	—	—	—	52	1,562
AAC CHROME	—	—	—	—	—	73	1,240
CDC INCA	—	—	—	—	—	69	867
LIVIOLETTA	19	38	41	42	570	34	692
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§						61.2	19,535

† 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.
¶ For additional characteristic codes, see the key at the end of the Risk Area tables.

‡ On system as of January 12, 2021;
* Assuming 48 lbs./bu.



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FLAX YIELDS BY VARIETY 2016–2020†							RISK AREA 9	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
CDC SORREL	—	28	29	19	681	29	1,274	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§							27.2	2,359

RISK AREA 10

CANOLA YIELDS BY VARIETY 2016–2020†							RISK AREA 10	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
L233P (LT)	—	52	45	43	44,922	44	45,285	
L252 (LT)	37	46	43	40	9,154	43	4,876	
INVIGOR L345PC (LT)	—	—	—	—	—	46	4,059	
L255PC (LT)	—	—	49	43	5,303	45	3,241	
P501L (LT)	—	—	—	37	842	44	3,189	
L258HPC (LT)	—	—	—	48	544	36	2,412	
2026 CL (ST)	—	—	36	—	—	29	1,942	
L230 (LT)	—	49	40	35	2,612	43	1,267	
L234PC (LT)	—	—	—	37	634	45	1,003	
46H75 (ST)	—	—	—	37	1,205	40	973	
2028 CL (ST)	—	—	—	—	—	40	953	
DKLL 82 SC (LT)	—	—	—	—	—	40	914	
1026 RR (RT)	—	—	—	—	—	30	560	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§							42.5	76,256

WHEAT YIELDS BY VARIETY 2016–2020†							RISK AREA 10	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
AAC BRANDON (RS)	53	71	58	57	38,826	60	36,289	
AAC ELEVATE (W)	—	—	38	—	—	64	5,689	
CARDALE (RS)	48	66	56	55	5,610	57	3,823	
AAC ELIE (RS)	61	63	50	49	4,397	55	3,674	
FALLER (NHR)	—	—	65	59	6,367	66	3,538	
BOLLES (RS)	—	—	—	—	—	62	1,003	
AAC PENHOLD (PS)	54	76	58	45	953	59	819	
AAC TISDALE (RS)	—	—	—	—	—	62	559	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§							60.3	58,366

SOYBEAN YIELDS BY VARIETY 2016–2020†							RISK AREA 10	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
P005A27X (RR2X)	—	—	25	25	7,388	37	4,935	
LS MISTRAL (RT)	—	38	34	26	7,773	38	4,809	
S007-Y4 (RT)	41	40	35	27	4,148	43	4,184	
BARKER R2X (RR2X)	—	28	30	25	1,597	37	2,881	
P003A97X (RR2X)	—	—	—	—	—	37	2,577	
TH 88007 R2X (RR2X)	—	—	—	32	512	39	1,331	
TH 87003 R2X (RR2X)	—	27	34	24	4,173	40	1,293	
DKB005-52 (RT)	—	38	34	29	3,501	39	1,253	
B003-29 (RT)	—	—	—	—	—	35	1,131	
P007A90R (RT)	—	—	34	23	2,151	39	1,031	
P006A37X (RR2X)	—	—	—	28	812	39	1,007	
AKRAS R2 (RT)	38	37	27	19	2,707	39	968	
KUDO R2X (RR2X)	—	—	—	—	—	36	823	
24-10RY (RT)	43	40	33	27	3,182	36	630	
PS 0027 RR (RT)	32	26	30	21	2,683	40	626	
S003-Z4X (RR2X)	—	—	—	—	—	37	532	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§							37.6	43,424

OATS YIELDS BY VARIETY 2016–2020†							RISK AREA 10	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
SUMMIT	103	132	100	91	15,077	114	13,320	
CS CAMDEN	100	118	104	98	6,713	99	6,374	
ORE3542M	—	—	—	106	575	114	4,440	
CDC ARBORG	—	—	—	—	—	115	2,780	
SOURIS	88	103	79	67	3,258	103	2,346	
FURLONG	87	99	72	94	1,623	100	1,094	
ORE3541M	—	—	—	61	1,163	88	640	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§							108.2	32,340

BARLEY* YIELDS BY VARIETY 2016–2020†							RISK AREA 10	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
CDC AUSTENSON	86	91	67	70	4,920	86	4,591	
CONLON	69	79	79	65	3,719	73	4,019	

BARLEY* YIELDS BY VARIETY 2016–2020†							RISK AREA 10	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
CELEBRATION	72	—	—	77	988	65	805	
AAC SYNERGY	—	—	75	57	1,206	85	543	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§							78.3	11,333

CORN YIELDS BY VARIETY 2016–2020†							RISK AREA 10	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
P7527AM (LT)(RT)	—	139	134	115	10,862	129	5,695	
P7211AM (LT)(RT)(HX1)	—	—	—	104	1,785	129	5,233	
P7417AM (LT)(RT)(HX1)	—	—	—	105	527	119	4,780	
P7455R(RT)	—	—	—	106	3,282	130	2,482	
DKC29-89RIB (LT)(RT)(RIB)	—	—	—	136	1,151	135	2,142	
A4939G2 RIB (RT)(RIB)	—	160	138	129	3,414	143	1,919	
P7958AM (HX1)	132	139	133	122	4,468	130	1,667	
P7861AM (LT)(RT)(HX1)	—	—	—	—	—	126	1,615	
TH7578 VT2P (RT)(RIB)	—	—	—	122	880	120	1,557	
TH 7578 VT2P RIB (RT)(RIB)	136	149	131	124	4,061	140	1,185	
P7940AM (LT)(RT)(HX1)	—	—	—	98	532	118	1,111	
MZ 1688 DBR (LT)(RT)	—	—	—	—	—	114	1,070	
MZ 1624DBR (RT)(RIB)	—	—	—	—	—	132	585	
DKC33-78RIB (RIB)	—	167	149	136	3,726	142	516	
DKC32-12RIB (RT)(RIB)	—	—	149	110	990	122	507	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§							126.6	41,484

DRY BEAN YIELDS BY VARIETY 2016–2020†							RISK AREA 10	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
VIBRANT (PINTO)	—	—	1,944	1,030	1,334	2,593	6,474	
T9905 (WHITE PEA)	1,971	1,894	1,898	957	6,588	1,905	5,714	
WINDBREAKER (PINTO)	1,433	2,249	2,147	1,120	907	2,202	1,433	
INDI (WHITE PEA)	—	—	1,519	1,325	2,286	1,925	1,059	
BOLT (WHITE PEA)	—	—	—	—	—	2,077	1,008	
ECLIPSE (BLACK)	1,310	2,427	1,850	1,455	631	2,059	999	
AAC ARGOSY (WHITE PEA)	—	—	—	—	—	2,886	621	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§							2169.8	21,727

FIELD PEA YIELDS BY VARIETY 2016–2020†							RISK AREA 10	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
AAC CARVER	—	—	—	—	—	56	940	
AAC CHROME	—	—	—	—	—	61	772	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§							52.2	3,077

SUNFLOWER YIELDS BY VARIETY 2016–2020†							RISK AREA 10	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
P63ME70 (ET) (O)	1,724	2,476	2,848	2,328	2,577	2,355	2,795	
6946 DMR (C)	—	—	—	—	—	2,716	2,160	
N4HM354 (ST) (O)	—	—	2,059	—	—	2,692	2,141	
P63HE60 (ET) (O)	—	—	—	—	—	1,942	944	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§							2443.4	8,852

RISK AREA 11

CANOLA YIELDS BY VARIETY 2016–2020†							RISK AREA 11	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
L233P (LT)	—	50	43	36	104,086	40	110,817	
L255PC (LT)	—	—	42	39	23,980	38	16,990	
INVIGOR L345PC (LT)	—	—	—	—	—	41	16,091	
DKLL 82 SC (LT)	—	—	—	—	—	40	8,236	
L252 (LT)	40	48	41	36	12,357	37	4,896	
75-65 RR (RT)	36	40	33	30	2,248	32	3,949	
DKTF 96 SC (RT)	—	—	—	—	—	30	2,847	
1028 RR (RT)	—	—	—	27	1,285	34	2,776	
2026 CL (ST)	—	—	38	23	1,353	33	2,692	
L234PC (LT)	—	—	—	43	1,717	42	2,614	
1026 RR (RT)	—	—	38	30	1,165	29	2,007	
2024 CL (ST)	—	46	33	32	3,717	38	1,987	
2028 CL (ST)	—	—	—	—	—	32	1,811	
L258HPC (LT)	—	—	—	43	690	43	1,778	
DKTFLL 21 SC (RT)(LT)	—	—	—	—	—	29	1,382	
46H75 (ST)	—	53	45	41	1,431	38	1,266	

† 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.
¶ For additional characteristic codes, see the key at the end of the Risk Area tables.

‡ On system as of January 12, 2021;
* Assuming 48 lbs./bu.

CANOLA YIELDS BY VARIETY 2016–2020†							RISK AREA 11	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020† Acres	
P501L (LT)	—	—	—	38	1,685	32	1,042	
INVIGOR L352C (LT)	—	—	—	—	—	44	1,018	
INVIGOR LR344PC (LT)(RT)	—	—	—	—	—	37	782	
CS2300 (RT)	—	—	—	—	—	41	779	
PV 780 TC (RT)	—	—	—	—	—	38	565	
45CM39 (RT)	—	—	—	—	—	32	533	
BY 6204 TF (RT)	—	—	—	—	—	34	506	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§							38.8	193,936

WHEAT YIELDS BY VARIETY 2016–2020†							RISK AREA 11	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020† Acres	
AAC BRANDON (RS)	60	78	65	60	159,786	66	166,235	
FALLER (NHR)	—	—	64	63	13,978	73	18,277	
AAC ELIE (RS)	54	73	49	48	13,170	62	8,892	
AAC VIEWFIELD EXP (RS)	—	74	65	62	7,519	63	8,444	
CARDALE (RS)	55	70	63	54	10,545	64	5,695	
BOLLES (RS)	—	—	—	49	977	69	5,260	
AAC ELEVATE (W)	—	—	42	—	—	65	3,808	
PROSPER (NHR)	—	—	—	—	—	79	2,836	
AAC STARBUCK (RS)	—	—	—	—	—	72	2,493	
AAC REDBERRY (RS)	—	—	—	38	1,550	51	2,138	
CARBERRY (RS)	51	64	53	25	1,112	55	1,821	
AAC GATEWAY (W)	84	76	54	—	—	51	691	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§							66.2	228,524

SOYBEAN YIELDS BY VARIETY 2016–2020†							RISK AREA 11	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020† Acres	
S007-Y4 (RT)	43	38	33	25	19,407	41	14,102	
LS MISTRAL (RT)	—	43	32	28	17,018	44	9,618	

SOYBEAN YIELDS BY VARIETY 2016–2020†							RISK AREA 11	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020† Acres	
TH 87003 R2X (RR2X)	—	34	30	23	7,718	39	6,451	
DKB005-52 (RT)	—	41	27	21	9,515	42	5,879	
AKRAS R2 (RT)	40	39	30	21	8,531	38	5,712	
P006A37X (RR2X)	—	—	—	30	651	45	5,392	
NSC SPERLING RR2Y (RT)	—	—	—	33	2,675	44	4,624	
S006-M4X (RR2X)	—	—	—	17	3,800	44	3,525	
24-10RY (RT)	48	37	30	22	6,441	41	2,831	
DKB003-29 (RR2X)	—	—	39	26	1,949	39	2,737	
LS 001XT (RR2X)	—	—	—	—	—	42	2,282	
BARKER R2X (RR2X)	—	—	39	22	2,558	40	1,785	
BOURKE R2X (RR2X)	—	—	—	—	—	42	1,317	
NSC GLADSTONE RR2Y (RT)	40	33	38	26	2,714	35	1,207	
LS 0036RR (RT)	—	—	—	—	—	40	1,130	
PRINCE R2X (RR2X)	—	—	—	23	973	27	1,127	
TH 89004 R2X (RR2X)	—	—	—	—	—	38	1,120	
23-60RY (RT)	39	33	29	24	2,700	37	1,114	
P001A48X (RR2X)	—	—	—	—	—	40	1,085	
LS SOLAIRE (RT)	—	33	33	21	3,682	29	1,022	
P00A49X (RR2X)	—	—	—	32	1,399	44	985	
NSC WINKLER RR2X (RR2X)	—	—	—	—	—	41	978	
NSC REDVERS RR2X (RR2X)	—	—	—	20	800	37	933	
NSC WATSON RR2Y (RT)	37	35	34	24	2,485	33	917	
P005A27X (RR2X)	—	—	36	20	2,816	47	871	
B003-29 (RT)	—	—	—	—	—	48	780	
PV 15S0009 R2X (RR2X)	—	—	—	—	—	31	722	
S0009-M2 (RT)	40	34	30	24	891	42	705	
DKB005-51 (RT)	—	—	—	—	—	44	656	
LS 003R24N (RT)	45	36	43	35	2,158	39	650	
DKB005-44 (RR2X)	—	—	—	28	742	41	641	
SIBERIA	—	—	—	26	690	35	612	
S006-W5 (RT)	—	44	32	27	3,143	45	605	
P003A97X (RR2X)	—	—	—	29	647	44	603	

† 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.
¶ For additional characteristic codes, see the key at the end of the Risk Area tables.

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SOYBEAN YIELDS BY VARIETY 2016–2020†							RISK AREA 11	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
TORRO R2 (RT)	—	36	31	—	—	34	578	
DKB002-32 (RR2X)	—	—	—	—	—	42	545	
LS 004XT (RR2X)	—	—	—	21	767	38	541	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							39.9	98,277

OATS YIELDS BY VARIETY 2016–2020†							RISK AREA 11	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
CS CAMDEN	120	148	115	92	16,478	102	16,773	
SUMMIT	112	142	103	76	10,894	107	8,977	
ORE3542M	—	—	—	89	1,955	117	3,381	
ORE3541M	—	—	—	85	502	107	2,409	
SOURIS	87	116	78	79	1,145	75	1,040	
CDC ARBORG	—	—	—	—	—	112	856	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							104.7	35,208

BARLEY* YIELDS BY VARIETY 2016–2020†							RISK AREA 11	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
CDC AUSTENSON	85	101	84	76	14,616	85	16,563	
CONLON	80	103	70	59	10,282	83	7,623	
CANMORE	76	101	88	81	4,675	88	5,045	
AAC SYNERGY	75	—	73	69	943	92	1,814	
CLAYMORE	—	—	—	—	—	108	1,150	
CDC COPELAND	—	—	—	—	—	70	765	
CELEBRATION	77	81	48	53	1,301	74	630	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							85.2	36,181

CORN YIELDS BY VARIETY 2016–2020†							RISK AREA 11	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
P7211AM (LT)(RT)(HX1)	—	—	—	99	1,933	119	3,749	
P7417AM (LT)(RT)(HX1)	—	—	—	—	—	113	2,019	
P7527AM (LT)(RT)	—	150	91	119	3,757	141	1,864	
P7211HR	140	126	105	109	702	156	1,119	
P7861AM (LT)(RT)(HX1)	—	—	—	—	—	111	952	
DKC27-55RIB (BT)(RIB)	144	127	92	49	995	124	665	
DKC29-89RIB (LT)(RT)(RIB)	—	—	—	—	—	129	619	
LR 9076 VT2PRIB (RT)(RIB)	—	—	—	—	—	136	608	
P7455R(RT)	—	—	—	110	1,053	147	605	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							120.5	17,792

DRY BEAN YIELDS BY VARIETY 2016–2020†							RISK AREA 11	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
VIBRANT (PINTO)	—	—	—	1,105	3,575	2,335	8,150	
T9905 (WHITE PEA)	2,476	2,119	1,625	1,142	12,610	1,645	8,138	
WINDBREAKER (PINTO)	2,286	2,291	1,927	928	2,389	2,048	2,615	
PINK PANTHER (KIDNEY)	1,545	2,053	—	807	1,662	2,478	1,480	
RED HAWK (KIDNEY)	1,239	—	—	—	—	1,680	1,171	
ECLIPSE (BLACK)	2,077	2,251	1,766	1,310	1,772	1,828	977	
ENVOY (WHITE PEA)	1,850	1,658	1,537	697	926	2,008	942	

DRY BEAN YIELDS BY VARIETY 2016–2020†							RISK AREA 11	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
INDI (WHITE PEA)	3,466	—	1,506	1,376	876	1,543	819	
BOLT (WHITE PEA)	—	—	—	—	—	2,059	780	
BERYL (OTHER)	—	—	—	1,318	608	2,086	770	
SV6139GR (PINTO)	—	—	—	1,321	1,055	1,830	597	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							1988.3	29,711

FIELD PEA YIELDS BY VARIETY 2016–2020†							RISK AREA 11	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
AAC CARVER	—	75	50	53	3,466	56	4,638	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							55.7	6,475

SUNFLOWER YIELDS BY VARIETY 2016–2020†							RISK AREA 11	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
P63ME70 (ET) (O)	1,854	1,984	2,522	2,141	2,043	2,249	3,695	
6946 DMR (C)	2,330	2,945	—	1,900	1,737	2,368	2,968	
P63HE60 (ET) (O)	—	—	—	—	—	2,136	1,187	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							2275.5	8,113

FLAX YIELDS BY VARIETY 2016–2020†							RISK AREA 11	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
CDC SORREL	26	—	—	16	981	19	662	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							21.0	868

RISK AREA 12

CANOLA YIELDS BY VARIETY 2016–2020†							RISK AREA 12	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
L233P (LT)	—	56	50	48	269,078	48	295,224	
INVIGOR L345PC (LT)	—	—	—	—	—	50	52,043	
L255PC (LT)	—	—	52	48	76,274	47	51,591	
L252 (LT)	41	53	49	45	47,268	44	21,643	
46H75 (ST)	43	55	46	43	18,786	47	16,300	
DKLL 82 SC (LT)	—	—	—	—	—	45	13,970	
2028 CL (ST)	—	—	—	—	—	43	6,748	
L258HPC (LT)	—	—	—	47	3,468	50	6,467	
P501L (LT)	—	—	—	44	4,189	47	6,324	
2026 CL (ST)	—	—	41	36	7,296	38	6,128	
INVIGOR L352C (LT)	—	—	—	—	—	50	3,665	
5545CL (ST)	—	53	44	45	5,277	48	3,449	
L234PC (LT)	—	—	—	48	4,695	42	3,390	
L230 (LT)	—	55	50	50	4,361	44	2,733	
P502CL (ST)	—	—	—	—	—	49	2,708	
PV 680 LC (LT)	—	—	—	28	1,039	41	2,530	
1028 RR (RT)	—	—	—	—	—	44	2,464	
45H76 (ST)	38	52	44	45	2,397	45	2,096	
B3010M (LT)	—	—	—	46	1,457	45	2,089	

† 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.
¶ For additional characteristic codes, see the key at the end of the Risk Area tables.

‡ On system as of January 12, 2021;
* Assuming 48 lbs./bu.



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CANOLA YIELDS BY VARIETY 2016–2020†							RISK AREA 12	
Variety‡	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
PV 200 CL (ST)	39	54	51	49	2,171	46	1,983	
DKTF 96 SC (RT)	—	—	—	—	—	32	1,747	
CS2500 CL (ST)	—	—	50	45	1,673	46	1,363	
45H75 CL (ST)	40	55	40	44	2,670	46	1,269	
1022 RR (RT)	32	49	34	37	880	30	1,176	
BY 5105 CL (ST)	—	—	—	—	—	50	1,101	
45CM39 (RT)	—	—	—	—	—	41	984	
2024 CL (ST)	—	49	43	36	6,728	34	860	
45A51 (RT)	—	—	—	52	621	48	729	
INVIGOR LR344PC (LT)(RT)	—	—	—	—	—	43	687	
46H76 (ST)	—	—	48	43	1,040	52	660	
1026 RR (RT)	—	—	—	36	612	27	609	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES							47.0	522,129

WHEAT YIELDS BY VARIETY 2016–2020†							RISK AREA 12	
Variety‡	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
AAC BRANDON (RS)	59	79	68	64	362,326	69	359,979	
FALLER (NHR)	—	—	72	67	37,789	81	32,523	
AAC VIEWFIELD EXP (RS)	—	80	64	64	18,338	73	22,797	
AAC ELIE (RS)	55	78	68	59	21,558	66	17,127	
SY ROWYN (PS)	62	87	73	67	16,371	81	15,990	
PROSPER (NHR)	—	—	79	59	13,363	80	14,471	
CARDALE (RS)	51	76	62	61	22,375	68	14,057	
AAC PENHOLD (PS)	66	82	71	63	5,089	73	5,938	
BOLLES (RS)	—	—	—	66	743	73	4,768	
CS DAYBREAK (RS)	—	—	—	—	—	71	3,592	
CARBERRY (RS)	50	71	59	56	4,510	61	3,560	
AAC STARBUCK (RS)	—	—	—	—	—	78	3,310	
AAC GATEWAY (W)	89	80	62	60	4,153	66	2,462	
AAC TISDALE (RS)	—	—	71	56	2,813	69	2,427	
EMERSON (W)	81	63	66	61	6,953	71	2,111	
SY TORACH (RS)	—	—	—	—	—	69	2,011	
SY GABBRO (RS)	—	—	—	—	—	72	1,516	
AC BARRIE (RS)	—	—	—	57	1,291	66	849	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES							70.3	514,481

SOYBEAN YIELDS BY VARIETY 2016–2020†							RISK AREA 12	
Variety‡	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
S007-Y4 (RT)	45	36	33	28	46,542	41	47,396	
DKB005-52 (RT)	54	37	30	27	30,659	41	29,001	
LS MISTRAL (RT)	—	37	31	26	29,882	39	26,261	
NSC SPERLING RR2Y (RT)	—	—	31	24	19,179	38	23,676	
P006A37X (RR2X)	—	—	—	25	7,124	40	23,449	
25-10RY (RT)	47	34	32	27	40,763	40	22,671	
NSC WINKLER RR2X (RR2X)	—	—	—	26	1,374	40	14,435	
PS 0027 RR (RT)	36	28	28	23	16,971	34	11,414	
LS 007XT (RR2X)	—	—	—	25	4,910	39	10,820	
ASTRO R2 (RT)	44	34	35	28	10,900	37	10,593	
P00A49X (RR2X)	—	—	—	24	9,760	42	10,449	
24-10RY (RT)	47	36	31	26	19,373	40	9,831	
TH 87003 R2X (RR2X)	47	40	33	27	8,320	36	6,582	
AKRAS R2 (RT)	43	33	31	26	6,918	36	6,145	
TH 88007 R2X (RR2X)	—	—	32	28	7,231	42	6,070	
NSC RICHER RR2Y (RT)	43	33	32	28	14,726	38	4,867	
LS ECLIPSE (RT)	47	36	30	25	13,936	41	4,729	
NSC AUBIGNY RR2X (RR2X)	—	—	—	25	4,619	42	4,533	
NSC GLADSTONE RR2Y (RT)	40	31	31	25	6,736	38	4,228	
P005A83X (RR2X)	—	—	—	29	855	39	4,208	
P005A27X (RR2X)	—	—	34	27	7,894	39	4,144	
LS 003R24N (RT)	46	33	33	26	5,845	35	3,249	
DKB005-51 (RT)	—	—	—	26	655	40	3,113	
DKB006-99 (RR2X)	—	—	24	29	923	43	3,078	
NSC CARTIER (RR2X)	—	—	—	—	—	38	3,023	
B003-29 (RT)	—	—	—	26	3,132	37	3,004	
DKB006-29 (RR2X)	—	38	30	26	2,393	40	2,961	
TH 88005 R2X (RR2X)	—	—	32	29	2,942	43	2,932	
SIBERIA	—	—	—	—	—	39	2,754	
OAC PRUDENCE	33	25	21	19	3,812	30	2,750	
S006-W5 (RT)	—	37	31	26	13,177	42	2,661	
S006-M4X (RR2X)	—	—	32	26	8,997	42	2,647	
DKB0005-44 (RR2X)	—	—	—	27	5,040	42	2,381	
LS 001XT (RR2X)	—	—	—	—	—	39	2,270	
SUNNA R2X (RR2X)	—	—	—	26	2,990	40	2,235	
LS 003R22 (RT)	38	33	29	24	1,798	39	2,170	

† 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.
 ¶ For additional characteristic codes, see the key at the end of the Risk Area tables.

SOYBEAN YIELDS BY VARIETY 2016–2020†							RISK AREA 12	
Variety‡	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
PV 16S004 R2X (RR2X)	—	—	—	20	1,364	39	2,007	
NSC CULROSS RR2X (RR2X)	—	—	—	—	—	40	1,979	
BARKER R2X (RR2X)	—	29	30	24	3,235	39	1,940	
P007A08X (RR2X)	—	—	—	26	2,260	41	1,874	
KUDO R2X (RR2X)	—	—	—	—	—	39	1,835	
TH 33005 R2Y (RT)	47	34	29	27	765	36	1,804	
PS 0068 XR (RR2X)	—	—	—	24	954	40	1,763	
BOURKE R2X (RR2X)	—	—	—	—	—	44	1,671	
23-60RY (RT)	42	31	29	28	3,541	41	1,670	
RX00797 (RR2X)	—	—	32	23	1,930	37	1,618	
S007-A2XS (RR2X)	—	—	—	—	—	45	1,506	
B0066L1 (RT)	—	—	—	24	1,298	41	1,401	
ASTOR	—	—	—	—	—	36	1,313	
RX ACRON (RR2X)	—	—	—	20	914	35	1,298	
DH863	46	—	—	—	—	36	1,248	
ELMO E3	—	—	—	—	—	40	1,236	
S003-Z4X (RR2X)	—	—	—	—	—	40	1,205	
NSC REDVERS RR2X (RR2X)	—	—	—	22	1,900	40	1,140	
S005-C9X (RR2X)	—	—	—	—	—	39	1,066	
PS 0074 R2 (RT)	44	36	26	23	3,180	39	1,057	
NSC COULEE RR (RT)	—	—	27	—	—	42	1,050	
VIDAR R2X (RR2X)	—	—	—	—	—	45	969	
NSC WATSON RR2Y (RT)	44	31	28	23	2,293	34	945	
S0009-M2 (RT)	38	34	31	30	2,802	40	825	
HANA	—	—	—	—	—	39	812	
XB005Q19X (RR2X)	—	—	—	—	—	44	769	
MANI R2X (RR2X)	—	—	—	27	607	50	765	
PV 12S007 RX2 (RR2X)	—	—	31	27	1,664	42	732	
MAXUS	—	—	22	—	—	36	681	
P003A97X (RR2X)	—	—	—	26	800	44	669	
RENUKA R2X (RR2X)	—	—	—	—	—	37	605	
METEOR	—	—	—	22	624	33	595	
DINERO R2X (RR2X)	—	—	—	—	—	37	584	
DKB003-29 (RR2X)	—	—	—	25	2,860	34	581	
PRINCE R2X (RR2X)	—	—	—	—	—	27	570	
XB001D19X (RR2X)	—	—	—	—	—	48	559	
TH89009 R2XN (RR2X)	—	—	—	—	—	31	558	
NSC JORDAN RR2Y (RT)	—	34	30	25	6,769	40	513	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES							39.3	400,283

OATS YIELDS BY VARIETY 2016–2020†							RISK AREA 12	
Variety‡	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
SUMMIT	129	154	117	117	75,848	142	79,579	
CS CAMDEN	128	157	117	108	59,759	142	56,167	
ORE3542M	—	—	127	125	8,893	145	28,425	
ORE3541M	—	—	132	123	3,022	140	5,736	
SOURIS	126	147	112	116	7,595	133	4,735	
CDC ARBORG	—	—	—	135	512	137	2,456	
PINNACLE	128	151	—	95	2,063	125	2,239	
CDC MORRISON	87	143	99	84	1,788	118	1,774	
CDC HAYMAKER	—	—	—	95	814	137	1,180	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES							141.3	185,560

BARLEY* YIELDS BY VARIETY 2016–2020†							RISK AREA 12	
Variety‡	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
CONLON	80	109	80	78	16,730	95	12,399	
CDC AUSTENSON	84	111	99	96	5,450	97	7,991	
AAC SYNERGY	64	99	89	86	6,478	93	7,276	
CANMORE	94	104	84	97	2,145	82	3,436	
AC METCALFE	52	93	82	85	4,059	75	3,193	
CELEBRATION	79	102	89	66	2,752	90	1,431	
TRADITION	73	99	77	77	2,255	74	1,339	
CDC COPELAND	73	—	—	—	—	83	931	
AAC CONNECT	—	—	—	—	—	102	605	
NEWDALE	87	107	87	95	1,070	92	567	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES							91.3	40,224

CORN YIELDS BY VARIETY 2016–2020†							RISK AREA 12	
Variety‡	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
P7527AM (LT)(RT)	—	141	125	128	55,879	131	20,977	
DKC33-78RIB (RIB)	177	157	133	139	40,667	157	20,787	

‡ On system as of January 12, 2021;
 * Assuming 48 lbs./bu.

CORN YIELDS BY VARIETY 2016–2020†							RISK AREA 12	
Variety‡	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
DKC29-89RIB (LT)(RT)(RIB)	—	—	—	124	5,809	140	13,053	
P7417AM (LT)(RT)(HX1)	—	—	—	—	—	129	10,581	
P7861AM (LT)(RT)(HX1)	—	—	—	—	—	127	9,866	
P7455R(RT)	—	—	—	122	12,445	140	7,606	
P7211AM (LT)(RT)(HX1)	—	—	—	105	1,961	144	7,490	
P7940AM (LT)(RT)(HX1)	—	—	—	130	1,521	144	6,370	
DKC35-88RIB (RT)(RIB)	—	—	151	145	7,677	163	3,412	
TH 6977 VT2P (RT)	—	—	—	133	978	139	3,173	
P7958AM (HX1)	152	145	134	133	7,262	153	3,121	
TH6079 VT2P (RT)(RIB)	—	—	—	—	—	143	2,835	
TH 6982 VT2P (RT)	—	—	—	121	4,718	122	2,623	
CROPLAN 2123 VT2P/RIB (RIB)	—	—	105	123	972	135	2,530	
LR 9983 VT2PRIB (RT)(RIB)	—	—	—	—	—	164	2,421	
A4939G2 RIB (RT)(RIB)	172	155	115	133	3,716	119	1,958	
TH7578 VT2P (RT)(RIB)	—	—	—	126	1,997	122	1,812	
DKC31-85RIB (RT)(RIB)	—	—	—	—	—	153	1,783	
P8407AM (LT)(RT)(HX1)	—	—	—	—	—	160	1,621	
PV 61180 RIB (LT)(RT)	—	—	—	117	1,371	121	1,570	
P7211HR	159	134	108	119	1,976	121	1,528	
DKC26-40 (RIB)	—	—	110	105	1,986	100	1,528	
P7417R (RT)	—	—	—	—	—	113	1,385	
P8234AM (LT)(RT)(HX1)	—	—	—	133	8,344	137	1,041	
TH 6875 VT2P (RT)(RIB)	—	—	—	—	—	128	985	
2288VT2P (LT)(RT)(RIB)	—	—	—	—	—	155	750	
P84081 3220 (AGRIURE)	—	—	—	—	—	129	673	
PS 2210VT2P RIB (RT)(RIB)	—	93	104	144	1,172	146	632	
PV60075 RIB (RT)(RIB)	—	—	—	—	—	141	528	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES							138.4 144,011	

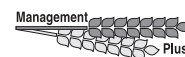
† Yields only for those varieties grown on more than 500 acres and by more than 2 growers;
§ Weighted Average Yield and Total Acreage include acres not reported in the table.
‡ For additional characteristic codes, see the key at the end of the Risk Area tables.

DRY BEAN YIELDS BY VARIETY 2016–2020†							RISK AREA 12	
Variety‡	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
VIBRANT (PINTO)	—	2,635	1,962	1,462	14,071	2,288	27,924	
WINDBREAKER (PINTO)	1,581	2,471	1,916	1,272	15,013	2,544	20,841	
ECLIPSE (BLACK)	1,457	2,048	1,673	1,188	12,095	2,015	6,480	
T9905 (WHITE PEA)	1,579	2,416	1,980	1,241	8,766	2,134	3,596	
CRIMSON (CRANBERRY)	—	2,518	2,551	1,779	2,247	2,637	1,957	
SV6139GR (PINTO)	—	—	—	1,662	623	2,028	1,199	
PINK PANTHER (KIDNEY)	518	—	—	1,629	860	2,213	1,188	
BL BLACK TAILS (BLACK)	—	—	—	—	—	2,335	988	
RED HAWK (KIDNEY)	—	1,704	—	525	958	1,464	840	
SV6533GR (PINTO)	—	2,264	1,814	977	697	2,271	758	
MONTERREY (PINTO)	996	2,328	1,914	1,548	1,575	2,068	710	
DS105WO (WHITE PEA)	—	—	—	—	—	2,368	515	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES							2309.3 71,400	

FIELD PEA YIELDS BY VARIETY 2016–2020†							RISK AREA 12	
Variety‡	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
AAC CARVER	33	60	55	54	6,177	62	5,128	
AAC LACOMBE	—	—	42	56	677	47	1,051	
AAC CHROME	—	—	—	—	—	67	932	
4010	—	—	—	45	753	53	655	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES							58.8 10,598	

SUNFLOWER YIELDS BY VARIETY 2016–2020†							RISK AREA 12	
Variety‡	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
P63ME70 (ET) (O)	1,532	2,392	2,822	2,064	2,162	2,780	10,812	
PANTHER DMR (C)	672	—	—	1,801	1,621	2,566	4,201	

‡ On system as of January 12, 2021;
* Assuming 48 lbs./bu.



High Value Faller & Prosper wheat

Faller dealers listed below. Prosper seed available exclusively through Richardson Pioneer.

Walt Smith - Seed Depot	(204) 825-2000	Jeffries Seed Service	(204) 827-2102
Bergen Seed Farm	(204) 736-2278	LD Seeds	(204) 324-5798
Boissevain Select Seeds	(204) 534-6846	MB Seeds Ltd.	(204) 746-4652
Clearview Acres Ltd.	(204) 748-2666	Miller Agritec	(204) 267-2363
Court Seeds	(204) 386-2354	Nickel Bros.	(204) 773-6734
Dauphin Plains Seeds Ltd.	(204) 638-7800	Parent Bros. Inc.	(204) 737-3000
Derrick Beischer	(204) 564-2117	Pitura Seed Service Ltd.	(204) 736-2849
Durand Seeds Inc.	(204) 248-2268	R-Way Ag Ltd.	(866) 398-9643
Ellis Farm Supplies Ltd.	(204) 824-2290	Red River Seeds Ltd.	(204) 746-4779
Ens Quality Seed	(204) 325-4658	Redsper Enterprises Ltd.	(204) 328-5346
Fisher Seeds	(204) 622-8800	RJP Seed Ltd.	(204) 745-3304
Foster Ag Services Inc.	(204) 364-2358	Rutherford Farms Ltd.	(204) 467-5613
Friesen Seeds Ltd.	(204) 746-8325	Seine River Seed Farm Ltd.	(204) 355-4495
Gerrard Family Seeds	(204) 365-0321	Triple "S" Seed Ltd.	(204) 546-2590
Hulme Agra Products Inc.	(204) 685-2627	Unger Seed Farm Ltd.	(204) 467-8630
J.S. Henry & Son Ltd.	(204) 566-2422	Wheat City Seeds Ltd.	(204) 727-3337
James Farms Ltd.	(204) 222-8785	Wilson Seeds Ltd.	(204) 246-2119
Janzen Seeds	(204) 829-7749	Zeghers Seed Farm	(204) 526-2145

Our dealer network is your source for high quality seed.

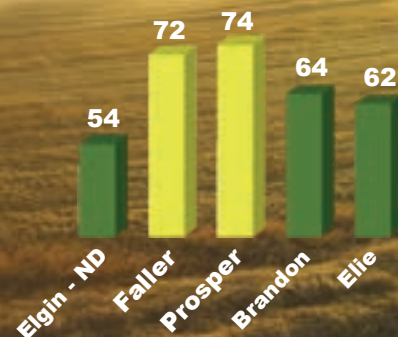
www.seeddepot.ca



2018 Seed MB Data

- ✓ **120% yield of CWRS**
- ✓ **FHB Resistance - Intermediate**
- ✓ **I-MR to Leaf & Stem Rust**
- ✓ **Lodging - Midrange**
- ✓ **1 day earlier than Carberry**
- ✓ **Semi Dwarf - 1" taller than Carberry**
- ✓ **Susceptible to Stripe Rust**

MB Crop Ins. 2018 Data



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crop this year?

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feeling emotional distress,
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care about...

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Chat: www.CrisisServicesCanada.ca

SUNFLOWER YIELDS BY VARIETY 2016–2020†							RISK AREA 12	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
P63HE60 (ET) (O)	—	—	—	—	—	2,595	3,905	
TALON (ET) (O)	—	2,127	2,324	1,993	5,602	2,485	3,704	
6946 DMR (C)	1,365	2,478	2,460	2,302	3,058	2,793	3,321	
N4HM354 (ST) (O)	—	—	2,998	2,161	1,681	2,555	1,973	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						2675.2	29,737	

FLAX YIELDS BY VARIETY 2016–2020†							RISK AREA 12	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
CDC GLAS	30	38	25	29	3,358	38	6,388	
CDC SORREL	21	33	28	17	1,501	26	1,470	
WESTLIN 72	—	—	25	31	1,020	37	1,385	
CDC NEELA	—	—	27	18	850	43	1,130	
AAC BRAVO	—	—	—	—	—	37	595	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						37.1	13,431	

RISK AREA 14

CANOLA YIELDS BY VARIETY 2016–2020†							RISK AREA 14	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
L233P (LT)	—	59	49	48	42,568	39	47,408	
DKLL 82 SC (LT)	—	—	—	—	—	37	4,812	
INVIGOR L345PC (LT)	—	—	—	—	—	36	4,304	
L255PC (LT)	—	—	48	48	2,959	33	3,379	
L252 (LT)	30	48	44	43	2,958	30	822	
PV 680 LC (LT)	—	—	—	—	—	32	627	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						37.3	65,120	

WHEAT YIELDS BY VARIETY 2016–2020†							RISK AREA 14	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
AAC BRANDON (RS)	50	69	70	60	33,292	60	33,051	
AAC VIEWFIELD EXP (RS)	—	—	—	69	4,169	77	11,371	
AAC ELIE (RS)	66	83	79	68	10,732	72	10,921	
FALLER (NHR)	—	—	79	69	8,902	74	10,787	
CARDALE (RS)	47	67	68	57	4,130	65	2,554	
SY ROWYN (PS)	—	77	75	70	3,767	68	2,363	
GLENN (RS)	54	75	76	74	4,043	80	2,321	
CARBERRY (RS)	42	64	68	42	2,529	54	1,760	
CDC STANLEY (RS)	43	67	54	—	—	47	1,580	
AAC PENHOLD (PS)	62	75	75	61	1,643	65	883	
CDC TITANIUM (RS)	—	59	59	29	750	47	607	
BOLLES (RS)	—	—	—	—	—	73	517	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						66.5	81,855	

SOYBEAN YIELDS BY VARIETY 2016–2020†							RISK AREA 14	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
S007-Y4 (RT)	40	36	43	31	11,081	40	10,699	
DKB005-52 (RT)	—	36	43	34	11,950	41	9,588	
LS MISTRAL (RT)	—	35	43	31	5,868	41	7,569	
TH 87003 R2X (RR2X)	—	28	40	34	6,614	37	4,234	
24-10RY (RT)	45	35	41	28	10,936	43	3,970	
S0009-M2 (RT)	38	31	39	31	4,157	36	3,819	
P006A37X (RR2X)	—	—	—	34	902	42	3,516	
LS SOLAIRE (RT)	—	29	41	28	6,774	40	3,380	
LS 003R24N (RT)	43	31	39	25	3,887	40	2,734	
LS 0036RR (RT)	—	25	39	28	3,357	37	2,627	
23-60RY (RT)	41	30	37	35	3,792	34	2,232	
NSC GLADSTONE RR2Y (RT)	37	29	41	26	1,229	36	1,588	
P00A49X (RR2X)	—	—	—	40	1,149	40	1,298	
NSC SPERLING RR2Y (RT)	—	—	—	28	1,225	38	1,225	
ASTRO R2 (RT)	42	26	39	38	1,010	36	1,100	
DKB003-29 (RR2X)	—	—	—	20	873	30	1,070	
S006-W5 (RT)	—	38	41	30	3,997	32	1,055	
P005A83X (RR2X)	—	—	—	—	—	44	972	
PV 16S004 R2X (RR2X)	—	—	—	—	—	35	859	

† 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.
 ¶ For additional characteristic codes, see the key at the end of the Risk Area tables.

SOYBEAN YIELDS BY VARIETY 2016–2020†							RISK AREA 14	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
DKB0005-44 (RR2X)	—	—	—	25	785	36	840	
AKRAS R2 (RT)	43	29	42	26	1,622	40	798	
P001A48X (RR2X)	—	—	—	—	—	35	765	
OAC PRUDENCE	30	23	22	—	—	23	727	
P007A08X (RR2X)	—	—	—	—	—	42	724	
AC 0800RR (RT)	—	—	—	—	—	20	684	
DKB0009-89 (RR2X)	—	—	—	—	—	32	614	
DKB005-51 (RT)	—	—	—	—	—	38	578	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						38.0	88,182	

OATS YIELDS BY VARIETY 2016–2020†							RISK AREA 14	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
CS CAMDEN	122	145	125	102	16,402	109	15,005	
SUMMIT	95	147	119	99	7,114	92	6,724	
ORE3542M	—	—	—	105	1,183	109	2,330	
BIG BROWN	87	136	62	68	716	64	556	
AC ASSINIBOIA	—	—	—	—	—	67	545	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						101.6	27,268	

BARLEY* YIELDS BY VARIETY 2016–2020†							RISK AREA 14	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
AAC SYNERGY	—	—	—	89	1,256	77	2,818	
CHAMPION	62	94	93	96	2,601	81	1,802	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						74.1	7,535	

CORN YIELDS BY VARIETY 2016–2020†							RISK AREA 14	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
P7527AM (LT)(RT)	—	110	124	132	4,164	117	2,017	
P7417AM (LT)(RT)(HX1)	—	—	—	—	—	125	1,602	
P7861AM (LT)(RT)(HX1)	—	—	—	—	—	129	1,475	
P7211AM (LT)(RT)(HX1)	—	—	—	113	509	125	1,372	
DKC26-40 (RIB)	—	—	131	144	1,086	108	847	
DKC33-78RIB (RIB)	—	103	117	153	1,422	145	828	
DKC29-89RIB (LT)(RT)(RIB)	—	—	—	—	—	125	671	
P7958AM (HX1)	156	129	126	144	2,138	114	584	
TH 7578 VT2P RIB (RT)(RIB)	—	116	136	116	1,292	107	577	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						122.8	13,836	

FIELD PEA YIELDS BY VARIETY 2016–2020†							RISK AREA 14	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
AAC CARVER	—	—	—	—	—	30	931	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						33.8	1,089	

SUNFLOWER YIELDS BY VARIETY 2016–2020†							RISK AREA 14	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
P63ME70 (ET) (O)	1,669	—	—	2,668	735	2,346	1,886	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						2341.3	3,796	

RISK AREA 15

CANOLA YIELDS BY VARIETY 2016–2020†							RISK AREA 15	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres	
L233P (LT)	—	52	40	39	26,780	40	23,738	
L255PC (LT)	—	—	44	39	5,834	43	6,075	
1026 RR (RT)	—	—	33	29	7,059	30	5,146	
INVIGOR L345PC (LT)	—	—	—	—	—	44	4,812	
1028 RR (RT)	—	—	—	32	1,897	30	2,962	
DKLL 82 SC (LT)	—	—	—	—	—	36	2,901	
L234PC (LT)	—	—	—	41	726	41	2,835	
1024 RR (RT)	—	40	31	26	2,289	33	2,747	

† On system as of January 12, 2021;
 * Assuming 48 lbs./bu.



CANOLA YIELDS BY VARIETY 2016–2020†						RISK AREA 15	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres
DKTF 96 SC (RT)	—	—	—	—	—	32	1,893
45M35 (RT)	—	40	33	33	2,642	37	1,792
L252 (LT)	44	49	40	38	3,387	38	1,296
P501L (LT)	—	—	—	31	640	39	1,228
45CM39 (RT)	—	—	—	—	—	52	1,148
PV 200 CL (ST)	38	39	33	30	661	22	854
CS2100 (RT)	—	—	—	12	991	7	534
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						37.6	65,397

WHEAT YIELDS BY VARIETY 2016–2020†						RISK AREA 15	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres
AAC BRANDON (RS)	52	68	53	50	46,764	62	38,367
AAC VIEWFIELD EXP (RS)	—	—	56	56	8,100	75	7,736
FALLER (NHR)	—	—	56	54	5,816	80	4,701
CARDALE (RS)	55	71	54	53	2,967	64	1,940
CDC STANLEY (RS)	33	56	40	34	1,869	53	1,761
CS DAYBREAK (RS)	—	—	—	—	—	70	984
AAC ELIE (RS)	—	56	45	50	897	58	804
SY TORACH (RS)	—	—	—	—	—	77	710
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						64.5	61,682

SOYBEAN YIELDS BY VARIETY 2016–2020†						RISK AREA 15	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres
S007-Y4 (RT)	44	36	29	22	9,994	35	4,974
NSC WATSON RR2Y (RT)	43	32	28	20	5,951	32	2,327
TH 33003 R2Y (RT)	41	29	28	18	1,862	33	1,715
P003A97X (RR2X)	—	—	—	—	—	36	1,591
S0009-M2 (RT)	45	39	32	22	1,943	35	1,582
PS 0027 RR (RT)	—	29	30	18	2,436	30	1,559
P005A27X (RR2X)	—	—	—	26	2,907	38	1,109
P006A37X (RR2X)	—	—	—	24	913	36	943
BOURKE R2X (RR2X)	—	—	—	—	—	36	904
LS 001XT (RR2X)	—	—	—	20	906	30	888
BISHOP R2 (RT)	43	33	39	25	2,019	38	810
LS 003R24N (RT)	44	32	31	19	2,663	32	695
TH 89004 R2X (RR2X)	—	—	—	—	—	24	663
23-60RY (RT)	43	25	28	—	—	33	535
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						29.7	35,194

OATS YIELDS BY VARIETY 2016–2020†						RISK AREA 15	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres
CS CAMDEN	121	127	86	91	19,651	113	16,278
CDC ARBORG	—	—	—	—	—	127	2,479
SUMMIT	101	108	51	76	2,129	101	2,456
ORE3541M	—	—	—	96	2,025	109	2,281
CDC HAYMAKER	—	—	—	—	—	49	556
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						107.9	26,580

BARLEY* YIELDS BY VARIETY 2016–2020†						RISK AREA 15	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres
CDC AUSTENSON	66	73	80	67	2,600	82	4,505
AAC SYNERGY	—	—	—	83	1,281	92	3,267
CANMORE	—	—	81	74	2,444	86	2,667
CONLON	—	85	—	61	1,460	52	1,941
TRADITION	36	68	69	89	1,141	94	770
OREANA	—	—	—	—	—	75	690
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						79.9	14,745

FIELD PEA YIELDS BY VARIETY 2016–2020†						RISK AREA 15	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres
AAC CARVER	—	—	—	60	742	64	1,614
AAC CHROME	—	—	—	—	—	64	957
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						60.4	3,300

† 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.
¶ For additional characteristic codes, see the key at the end of the Risk Area tables.

FLAX YIELDS BY VARIETY 2016–2020†						RISK AREA 15	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres
CDC NEELA	—	—	—	—	—	26	965
AAC BRAVO	25	43	—	15	2,176	35	768
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						30.4	2,375

RISK AREA 16

CANOLA YIELDS BY VARIETY 2016–2020†						RISK AREA 16	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres
6074 RR (RT)	6	—	28	43	3,030	17	3,381
L233P (LT)	—	—	17	42	2,352	17	3,192
P501L (LT)	—	—	—	—	—	35	2,226
L230 (LT)	—	—	16	40	793	9	1,354
75-45 RR (RT)	—	—	3	34	1,410	23	758
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						19.1	22,188

WHEAT YIELDS BY VARIETY 2016–2020†						RISK AREA 16	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres
CDC LANDMARK (RS)	—	—	—	66	8,651	33	5,222
AAC VIEWFIELD EXP (RS)	—	—	—	—	—	46	3,307
AAC REDBERRY (RS)	—	—	—	—	—	44	3,205
CARDALE (RS)	47	—	31	68	3,746	28	1,697
CDC PLENTIFUL (RS)	31	—	25	42	1,770	35	910
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						36.6	15,292

BARLEY* YIELDS BY VARIETY 2016–2020†						RISK AREA 16	
Variety¶	2016 Yield	2017 Yield	2018 Yield	2019 Yield	2019 Acres	2020 Yield	2020‡ Acres
CDC BOW	—	—	—	—	—	19	1,085
CONLON	—	—	—	37	685	17	555
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						20.7	1,998

ADDITIONAL CHARACTERISTICS KEY

WHEAT

(D) Durum
(ES) Extra Strong
(HWS) Hard White Spring
(NHR) Northern Hard Red
(OS) Other Spring
(PS) Prairie Spring
(RS) Red Spring
(W) Winter

SUNFLOWER

(C) Confectionary
(O) Oilseed
(ST) Clearfield
(ET) ExpressSun

CANOLA & SOYBEAN

(BT) Compass (Bromoxynil) Tolerant (BX) Navigator varieties
(LT) Liberty Link (LL) - (Glufosinate Ammonium); Invigor varieties
(RT) Roundup Ready - (Glyphosate Tolerant)
(RR2X) Xtend - (Glyphosate and Dicamba Tolerant)
(ST) Pursuit Smart, Odyssey (Imazethapyr) (~IMI); Clearfield varieties
(SSX) SmartStax
(TT) Triazine Tolerant

CORN

(AGRIURE) Roundup Ready, Liberty Link toleraVTnt, Bt trait
(BT) Contains Bacillus thuringiensis (Bt) insecticidal protein
(HX1) Herculex insect protection gene
(LT) Liberty Link (LL) - (Glufosinate Ammonium); Invigor varieties
(RA) Single bag blend for non-Bt refuge compliance
(RIB) Single bag blend for non-Bt refuge compliance
(RT) Roundup Ready - (Glyphosate Tolerant)
(ST) Pursuit Smart, Odyssey (Imazethapyr) (~IMI); Clearfield varieties
(SSX) SmartStax
(TT) Triazine Tolerant

† On system as of January 12, 2021;
* Assuming 48 lbs./bu.





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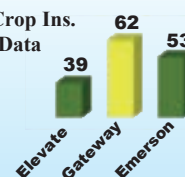
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