

yield²⁰²³

MANITOBA

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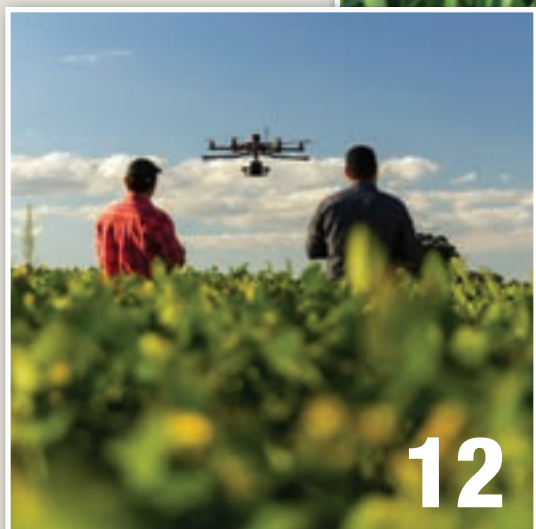
Variety Highlights:

- Unsurpassed winter hardiness
- High forage yields
- Earliest spring emergence

KWS SANDOR Leading Ergot Protection

Variety Highlights:

- Top-in-class ergot protection
- High grain yields
- Short straw
- Superior falling numbers



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Yield Manitoba is an annual publication of
Manitoba Agricultural Services Corporation

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Published by
Farm Business Communications
1666 Dublin Avenue
Winnipeg, MB R3H 0H1
Phone: 204-944-5765
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news@fbcpublishing.com
www.agcanada.com

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Cover photo from Getty Images/istock/zhikun sun
Supplement to the Manitoba Co-operator, February 9, 2023

Rain makes grain for Manitoba farmers

REVIEW: Despite a challenging spring, crops mainly yielded well in 2022, setting four new records

By Allan Dawson, Manitoba Co-operator staff

The cold, wet spring of 2022 prevented Manitoba farmers from seeding 866,000 acres, the fourth highest on record, but insured crops yielded slightly above to well above average.

Manitoba Agricultural Services Corporation (MASC) data shows provincial average yield records were set for soybeans at 45 bushels an acre (previous record 42 in 2016), grain corn, 158 (145 in 2016), field peas, 54 (53 in 2017 and 2019) and flax, 35 (29 in 2017).

This analysis is based on 95 per cent of yields from crop insured farmers compiled as of Jan. 11, 2023. Final results could vary. Updated data is available through MASC's Management Plus program at https://www.masc.mb.ca/masc.nsf/mmpp_browser_variety.html.

Of the 13 insured crops analyzed (see Table 1), yields for all but winter wheat exceeded those of 2021. All but winter wheat and non-oil sunflowers surpassed the 10-year average, and in many cases by a lot.

The two biggest acre crops, canola and red spring wheat,

averaged 41 and 61 bushels an acre province-wide, up from 31 and 50, respectively in 2021 and the 10-year average of 40 and 47.

The Interlake region generally received the most precipitation and that's where some of the poorest yields were realized. One municipality averaged just nine bushels an acre of canola.

Anecdotally, farmers were most disappointed with canola and sunflower yields, especially canola growers who anticipated much better results. Excessive spring moisture hurt both crops.

Non-oil (confectionary) and oil sunflower yields were five per cent below the 10-year average and one per cent above, respectively.

Insured soybeans, averaging a record 45 bushels an acre, out-yielded insured canola – a rarity. The last time it happened was 2016, when soybeans averaged 42 bushels an acre compared to canola's 41.

Oats, grain corn, field peas, flax and white pea bean

TABLE 1: 2022 YIELDS OF SELECTED INSURED MANITOBA CROPS

Crop	2022 yield bushels/acre	2021 yield bushels/acre	% change	10- year average	% difference	New record in 2022	Previous record yield	Year of previous record
Argentine Canola	41	31	32	40	3	No	47	2017
Red Spring Wheat	61	50	22	57	7	No	67	2017
Winter Wheat	52	53	-2	64	-19	No	72	2016
Northern Hard Red Wheat*	70	50	40	69	1	No	81	2017
Soybeans	45	27	67	35	29	Yes	42	2016
Barley	75	56	34	71	7	No	87	2017
Oats	120	67	79	101	19	No	128	2017
Grain Corn	156	103	51	126	24	Yes	145	2016
Field Peas	54	36	50	44	23	Yes	53	2017, 2019
Flax	35	15	133	22	59	Yes	29	2017
White Pea Beans	2,099 lbs/acre	1,103 lbs/acre	90	1,671 lbs/acre	26	No	2,214 lbs/ac	2013
Non-oil Sunflowers	1,720 lbs/acre	1,472 lbs/acre	17	1,805 lbs/acre	-5	No	2,117 lbs/ac	2017
Oil Sunflowers	1,928 lbs/acre	1,861 lbs/acre	4	1,919 lbs/acre	1	No	2,021 lbs/ac	2017

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

This table is based on a tally of 95 per cent of insured farmers' yields as of Jan. 6, 2023. Final figures could be slightly different. Figures include insured pedigreed seed crops but not organic crops.

* Most varieties in this new category were formally in the feed wheat category

yields (navy beans) were 19, 25, 23, 59 and 23 per cent higher than the 10-year average

Wet start

Winter and spring precipitation wielded a double-edged sword.

In 2021, drought dramatically cut yields. Moisture was needed for the 2022 crop but too much came at once, triggering an estimated \$55 million in MASC payouts through its excess moisture insurance program on unseeded land.

Heavy rain right after seeding stressed many crops.

Up to 150 centimetres of snow fell across agro-Manitoba last winter, followed by three Colorado lows in almost as many weeks.

"These three storms alone brought anywhere from double to quadruple the usual amount of April precipitation and rapidly increased the flood threat, but Mother Nature and her Colorado low parade were not done," the *Manitoba Co-operator's* weather columnist Daniel Bezte wrote earlier this year.

"As we moved into May, hoping for warm dry weather, a fourth storm system moved in around May 9, bringing with it more heavy rain. Eastern regions saw about 20 to 30 millimetres from this system, but this time around western regions were harder hit, with five-day storm totals pushing 50 to over 60 mm in some areas. With flooding already underway, this additional precipitation just made it worse."

It wasn't over. A fifth storm struck May 18 and 19, bringing another widespread 30 to 50 mm of rainfall, Bezte reported.

"While this rainfall did not really increase the severity of the flooding occurring on nearly all major rivers, it did keep water levels high, prolonging the flooding event," he wrote.

"Five major storms in just over 30 days is nearly unheard of, but who likes odd numbers? A sixth and final storm arrived at the end of May, bringing another 20 or so millimetres of rain to western Manitoba and upward of 75 to eastern regions. When all was said and done, Winnipeg had recorded 331.4 mm of spring precipitation, making it the wettest spring on record," Bezte wrote.

Water levels on the flooding Red River last spring matched the 2009 flood, the highest since 1997's Flood of the Century and the fifth highest on record.

Winnipeg received a record 766.4 mm of precipitation in 2022, 51 per cent more than the normal of 510.4 mm.

While most of agro-Manitoba received 100 per cent or more of normal precipitation between May 1 and Sept. 25, 2022, there were pockets that fell short. Others, especially in the Interlake, received well over the norm. Selkirk recorded 167 per cent of normal during that period, Manitoba Agriculture reported.

That so many crops yielded so well in 2022 doesn't surprise Timi Ojo, Manitoba Agriculture's agricultural systems modeller.

"We are currently not maximizing the full potential of (crop) production capacity mostly because we are rain-fed agriculture that is limited by precipitation," he said in an interview Jan. 10. "So I think there is a direct correlation between the precipitation we received last year and the average yields that we have seen."

Slow going

All that moisture delayed seeding. As of the fourth week of May, Manitoba Agriculture estimated just 40 per cent of the crop was in the ground compared to 91 per cent in 2021 and the five-year average of 92 per cent.

MASC research shows that the later crops are planted in Manitoba, the lower the yield potential. But in 2022, many late-seeded crops got out of the ground quickly and caught up, Ojo said.

"We also had the rains at the times we needed them (later in the growing season)."

"Many late-seeded crops got out of the ground quickly and caught up. We also had the rains at the times we needed them (later in the growing season)."

— Timi Ojo, Manitoba Agriculture

Although Winnipeg's average temperature for all of 2022, of 1.8 C, was 1.2 C cooler than normal, most growing regions recorded close to normal heat between May 1 and Sept. 27, Manitoba Agriculture reported. However, unlike 2022, the nights were cooler.

"It allowed the plants to really develop physiologically in a way that would really promote yield," Ojo said.

While all crops need a certain amount of moisture, heat and frost-free days to grow properly, ideal conditions vary with the crop. Canola doesn't do well under hot conditions, especially at flowering, while corn prefers hotter temperatures and needs a longer growing season.

Lots of crops struggled under wet conditions at seeding, including canola. Excess moisture was just one of three canola yield robbers in 2022, said Chris Manchur, an agronomy specialist with the Canola Council of Canada.

"We saw a lot of flooded areas that just couldn't get seeded until later. That really sets up for lower than average yields."

Moisture-stressed canola became even more susceptible to flea beetles and then disease, including verticillium.

Like many farmers, Adam Gurr, who farms near Brandon, and also runs the crop research company Agritruth, struggled to get the 2022 crop sown.

"It all really got seeded late, but we still ended up with a good average crop. I was happy. We hit our trend line, but canola was poor."

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"Canola just got hit bad by verticillium. We had samples taken in three fields and it was 100 per cent infected. It didn't matter if it was a two- or three-year rotation. We've had a lot of wet years over my career but I've never had a time when we were so water logged for so long."

Despite saturated fields that delayed seeding, Gurr said at one point his canola looked like it would yield 60 bushels an acre, but it produced 10 to 20 bushels less than that.

"The canola looked really good but didn't yield very good and I've never been so shocked as this last year."

For the second consecutive year, Gurr's canola was disappointing.

"And for the first time in my career it (canola yield) is dipping," he said. "Wheat continues to trend in a positive direction. I don't know if it will continue to do that, but it's the first time I've seen canola dip."

Gurr said he reaped a bumper crop of soybeans and edible beans and his wheat ranged from 75 to 85 bushels an acre, with the higher yields coming from Northern Hard Red Spring varieties.

Provincially those varieties averaged 70 bushels an acre, one bushel higher than the 10-year average.

And then there were the soybeans.

"Everything fell into place — weather, moisture, heat," said Dennis Lange, Manitoba Agriculture's pulse crop specialist. "Soybeans were out of the ground quickly. We didn't really have a lot of stress on the crop."

That, combined with good weed control, few insects, enough heat, but not much excessive heat and timely rains combined to make 2022 a record yield year, he added.

"There were certainly some big (yield) numbers in the east."

Lange, who farms near Emerson, said 2022 was his best yielding soybean crop.

"Considering the late start this year and the two big rainfalls we had early in the growing season right after planting, the soybeans still performed better than other years when we had earlier plantings because of the (good) growing season," he said.

"On the flip side sunflowers did not do very well in this area. I think everyone in this area is generally pretty happy with the yields they pulled off this year considering what we were looking at the first of May."

SOYBEANS

Manitoba farmers harvested almost 877,000 acres of insured soybeans in 2022, down 27 per cent from 2021 and down 38 per cent compared to the 10-year average of 1.4 million. Still, soybeans remained the province's third largest acreage crop as they have been for years.

However, the record provincial average soybean yield of 45 was up 18 bushels from 2021, and three bushels higher than the previous record of 42 set in 2016.

Forty-two municipalities averaged 43 bushels an acre or more in 2022 and 17 yielded 50 bushels or more.

Morris municipality, some of which was flooded this spring, had the highest average soybean yield in Manitoba at 55 bushels.

Lorne municipality, atop the Pembina Escarpment, averaged 53 bushels an acre from almost 12,000 acres. In neighbouring Thompson, below the escarpment, soybeans averaged 51 bushels an acre from 5,431 acres.

RED SPRING WHEAT

This category covers varieties in Canada Western Red Spring, Canada's top milling wheat class.

The provincial average yield of 61 bushels an acre in 2022 is 50 per cent higher than that of 2021 and seven per cent better than the 10-year average.

Often the highest averaging municipal yields are in the south but last year Minitonas-Bowsman in the northwest beat all comers with 79 bushels an acre from more than 55,000 acres.

The highest yielding variety was AAC Starbuck in nearby Swan Valley West at an impressive 83 bushels an acre, although that was from just 2,234 acres.

All varieties combined averaged 75 bushels in Swan Valley West.

Once again AAC Brandon was the most planted insured red spring wheat at 1.1 million acres, accounting for 45 per cent of total red spring acres.

Even further north, spring wheat in Kelsey municipality, where The Pas is located, averaged 68 bushels an acre.

WINTER WHEAT

Winter wheat struggled in 2022 due to the wet, cold spring plus winterkill, as Manitoba saw a lot of cold weather. The provincial average yield of 52 bushels an acre was lower than in 2021 and the 10-year average.

One municipality averaged just 14 bushels an acre from 1,000 acres.

The eastern region saw a lot of crops yield well, including winter wheat, which averaged 73 bushels an acre in Brokenhead.

NORTHERN HARD RED WHEAT

Insured acres of Northern Hard Red Wheat acres of almost 115,000 fell six per cent compared to 2021 and were down 23 per cent from the 10-year average, but these varieties continue to yield well.

Faller had the most acres, at almost 91,000, averaging 70 bushels an acre province-wide.

All hard red wheats in Dufferin municipality averaged 83 bushels an acre from almost 2,700 acres.

CANOLA

Manitoba's insured canola acres in 2022 were unchanged from the year previous at 1.3 million, keeping the oilseed as the province's most-planted annual crop.

The provincial average yield of 41 bushels an acre was 10

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TABLE 2: SUMMARY OF BEST AND WORST 2022 YIELDS FOR SELECTED INSURED MANITOBA CROPS

Crop	2022 yield bushels per acre	Variety	Municipality	Acres	Percentage share
RED SPRING WHEAT					
Highest average yielding variety province-wide	80	SY Manness	Province-wide	577	*0.02
Highest acre variety province-wide	61	AAC Brandon	Province-wide	1.1 million	45
Highest average yielding variety in a municipality	83	AAC Starbuck	Swan Valley West	2,234	3
Highest average yield by municipality	79	All Varieties	Minitonas-Bowsman	55,161	100
Lowest average yield by municipality	30	All Varieties	Fisher	7,900	100
WINTER WHEAT					
Highest average yielding variety province-wide	68	AAC Gateway	Province-wide	5,977	15
Highest acre variety province-wide	50	Emerson	Province-wide	12,126	30
Highest average yielding variety in a municipality	74	AAC Gateway	Brokenhead	1,544	98
Highest average yield by municipality	73	All Varieties	Brokenhead	1,581	100
Lowest average yield by municipality	14	All Varieties	Glenella-Lansdowne	1,006	100
NORTHERN HARD RED WHEAT					
Highest average yielding variety province-wide	71	Prosper	Province-wide	21,102	18
Highest acre variety province-wide	70	Faller	Province-wide	90,897	79
Highest average yielding variety in a municipality	81	Faller	Dufferin	2,203	75
Highest average yield by municipality	83	All Varieties	Dufferin	2,681	100
Lowest average yield by municipality	37	All Varieties	North Norfolk	2,014	100
ARGENTINE CANOLA					
Highest average yielding variety province-wide	46	2153 Invigor	Province-wide	887	0.3
Highest acre variety province-wide	43	L340PC Invigor	Province-wide	755,	25
Highest average yielding variety in a municipality	56	L356Pc, B1030N	**Roland, Russell-Binsgarth	560, 610	4, 2
Highest average yield by municipality	52	All Varieties	Roland	29,994	100
Lowest average yield by municipality	9	All Varieties	West Interlake	710	100
SOYBEANS					
Highest average yielding variety province-wide	58	DKB006 - 80 DeKalb	Province-wide	3,592	0.4
Highest acre variety province-wide	42	S001 - D8X Syngenta	Province-wide	52,431	6
Highest average yielding variety in a municipality	63	NSCWinkler Northstar	Portage la Prairie	730	2
Highest average yield by municipality	55	All Varieties	Morris	30,516	100
Lowest average yield by municipality	14	All Varieties	Fisher	5,063	100
BARLEY					
Highest average yielding variety province-wide	100	Champion	Province-wide	621	0.2
Highest acre variety province-wide	77	CDC Austenson	Province-wide	112,157	32
Highest average yielding variety in a municipality	106	Tradition	Cartier	1,277	20
Highest average yield by municipality	100	All Varieties	Morris	3,299	100
Lowest average yield by municipality	34	All Varieties	**Bifrost-Riverton, Fisher	3,807, 3,395	100
OATS					
Highest average yielding variety province-wide	133	AAC Douglas	Province-wide	9,054	1
Highest acre variety province-wide	126	Summit	Province-wide	216,559	34
Highest average yielding variety in a municipality	160	ORE3541	Roland	940	9
Highest average yield by municipality	145	All Varieties	Louise	11,691	100
Lowest average yield by municipality	56	All Varieties	Sifton	1,568	100
GRAIN CORN					
Highest average yielding variety province-wide	189	DKC35 - 37 RIB DeKalb	Province-wide	1,268	0.4
Highest acre variety province-wide	156	P7211AM Pioneer	Province-wide	41,495	14
Highest average yielding variety in a municipality	194	DKC33 - 78RIB DeKalb	Stanley	1,413	7
Highest average yield by municipality	177	All Varieties	Stanley	19,481	100
Lowest average yield by municipality	56	All Varieties	Ellice-Archie	606	100
FIELD PEAS					
Highest average yielding variety province-wide	67	AAC Delhi	Province-wide	1,787	1
Highest acre variety province-wide	58	AAC Chrome	Province-wide	52,045	29
Highest average yielding variety in a municipality	82	AAC Carver	Killarney-Turtle Mountain	1,020	32
Highest average yield by municipality	78	All Varieties	Morris	1,065	100
Lowest average yield by municipality	10	All Varieties	Glenella-Lansdowne	598	100
FLAX					
Highest average yielding variety province-wide	41	AAC Marvelous	Province-wide	674	1
Highest acre variety province-wide	39	CDC Glas	Province-wide	17,898	38
Highest average yielding variety in a municipality	47	CDC Glas	Louise	4,028	87
Highest average yield by municipality	46	All Varieties	Louise	4,655	100
Lowest average yield by municipality	21	All Varieties	Dauphin	551	100
Sunflowers (Oil)					
Highest average yielding variety province-wide	2,316 lbs/acre	P633M80 Pioneer	Province-wide	4,550	7
Highest acre variety province-wide	1,858 lbs/acre	P63H#60 Pioneer	Province-wide	22,933	34
Highest average yielding variety in a municipality	2,398 lbs/acre	P63M80 Pioneer	Rhineland	1,815	85
Highest average yield by municipality	2,893 lbs/acre	All Varieties	Macdonald	544	100
Lowest average yield by municipality	1,036 lbs/acre	All Varieties	North Norfolk	3,140	100
WHITE PEA BEANS					
Highest average yielding variety province-wide	2,110 lbs/acre	T9905	Province-wide	14,533	73
Highest acre variety province-wide	2,110 lbs/acre	T9905	Province-wide	14,533	73
Highest average yielding variety in a municipality	2,875 lbs/acre	T9905	Lorne	569	79
Highest average yield by municipality	2,767 lbs/acre	T9905	Thompson	987	100
Lowest average yield by municipality	1,686 lbs/acre	All Varieties	Portage la Prairie	6,969	100

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

This table is based on a tally of 95 per cent of insured farmers' yields as of Jan. 6, 2023. Final figures could be slightly different. Figures include insured pedigreed seed crops but not organic crops.

* Note the percentage share of harvested acres depends on the column. For some volumes the share is of the named municipality and in others it's for the whole province

**Ties.

Continued from page 6

bushels higher than that recorded during the 2021 drought and one bushel higher than the 10-year average.

The crop fared well in some northwest municipalities, including Hillsburg-Roblin-Shellmouth, with an average of 51 bushels an acre from more than 67,000 acres and Swan River West, with 47 bushels from 116,000 acres.

Kelsey, which is further north, averaged 48 bushels from 14,000 acres.

Yields were decent in the south too, including Dufferin with 50 bushels an acre from 40,000 acres and 49 bushels an acre from 84,000 acres in the municipality of Morris, which was partly flooded in spring.

GRAIN CORN

The new grain corn record of 158 bushels an acre shattered the previous record of 145 set in 2016 by 13 bushels an acre.

While 2022's highest yields were in traditional corn-growing municipalities, a bumper crop was seen in other parts of southern Manitoba too.

For example, Lorne, on the Pembina Escarpment, averaged 164 bushels an acre from 8,557 acres. Twenty-four of the 55 municipalities with public yield data recorded yields of 145 bushels an acre — the previous record — or higher. Only two municipalities yielded less than 100 bushels an acre.

The municipalities of Rhineland and Stanley each averaged 177 bushels an acre from a combined 50,000 acres.

OATS

Oats were the fourth most-planted insured annual crop in 2022, up from fifth the year before. The provincial average

yield of 120 bushels was eight short of the record set in 2017.

Summit, the most popular variety, grown on almost 217,000 acres, averaged 126 bushels an acre. ORE3541 averaged 160 bushels from 940 acres grown in the municipality of Roland.

Louise municipality averaged 145 bushels an acre from almost 12,000 acres.

WHITE PEA BEANS (NAVY)

The beans that make pork and beans averaged 2,099 pounds an acre, 115 lb. under the record set in 2017.

Lorne, which is not a traditional edible bean growing area, produced an amazing 2,875 lb. an acre, albeit from just 569 acres. In nearby Thompson, a traditional producer, yields averaged 2,767 lb. from 987 acres.

FLAX

Flax hasn't been a major crop in Manitoba for years, probably because of stagnant yields. Its 2022 provincial average yield of 35 bushels an acre shattered the 2017 record of 29 bushels by six bushels an acre.

Louise recorded the highest average at 48 bushels an acre from almost 4,400 acres.

FIELD PEAS

Insured field peas narrowly set a new provincial average yield of 54 bushels an acre in 2022. It's one bushel above the records set in 2017 and 2019. But the record may not hold once all data is tabulated. Either way the crop, on average, excelled, despite a challenging spring.

Morris municipality had the highest average yield at 78 bushels an acre from 1,065 acres. While acreage was down in 2022, it was still 83 per cent above the 10-year average.

TABLE 3: TOP MANITOBA INSURED GRAIN & OILSEED CROPS IN 2022

Rank	Crop	2022 acres	2021 acres	% change	Rank in 2021	10 year average	% change
1	Canola	3.1 million	3.3 million	-6	1	3.1 million	0
2	Red Spring Wheat	2.5 million	2.5 million	0	2	2.4 million	4
3	Soybeans	876,505	1.2 million	-27	3	1.4 million	-37
4	Oats	632,825	602,276	5	4	445,866	42
5	Barley	352,635	377,520	-7	6	348,951	1
6	Grain Corn	294,203	367,856	-20	5	320,846	-8
7	Field Peas	181,223	215,617	-16	7	98,773	83
8	Northern Hard Red Wheat	114,806	121,366	-5	9	149,265	-23
9	Dry Edible Beans (all)	109,813	172,680	-36	8	140,305	-22
10	Silage Corn	90,966	113,454	-20	10	91,395	-0.5
11	Sunflower (all)	71,280	27,981	155	11	75,468	-6
TOTAL ACRES		8.3 million	9.0 million	-8		8.6 million	-3

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

This table is based on a tally of 95 per cent of insured farmers' yields as of Jan. 6, 2023. Final figures could be slightly different. Figures include insured pedigreed seed crops but not organic crops.



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FUGITIVE OF THE WEEK

NAME: **Waterhemp**
No. **700**

Last known whereabouts: Starting to move into southern Manitoba and parts of Saskatchewan. Sets up camp where water runs, low areas of the field, and strips where the combine has previously spread chaff. Warning: Easily confused with redroot pigweed in seedling stage.

CANADA'S MOST UNWANTED WEEDS



Scan to learn more

Establishment insurance for polycrops meets grower need

Polycrop Establishment Insurance offered for first time in 2022 growing season

By Danica Swaenepoel, MASC

Regenerative agriculture and the use of cover crops is growing in popularity. Proponents say these practices help diversify cropping choices and maximize land use and soil health.

Historically, Manitoba Agricultural Services Corp. (MASC) has provided insurance solutions for the production of greenfeed, mixed grain, intercropped and perennial forages. However, none of these programs were designed to meet the needs of diverse annual cropping systems.

and regenerative farming systems that use multi-species blends, also known as polycrops.

MASC defines a polycrop as a blend of two or more annual crops grown on the same acreage for livestock feed, grazing, green manure, soil enhancement and regeneration.

An extensive survey on the uptake and use of cover crops across the Prairies titled *The 2020 Prairie Cover Crop Survey Report* was conducted over the last two years and published by Callum Morrison and Yvonne Lawley in the plant science department at the University of Manitoba.

Lawley spoke at the Manitoba Agronomists Conference about trends observed in their research. Their study shows that uses of multi-species crop blends are not limited to livestock grazing.

Lawley said that only 51 per cent of producers who responded to the U of M's cover crop survey said they

grew cover crops with the intention of grazing. The survey has also revealed that a majority (81 per cent) are growing full-season cover crops, which are grown as the primary crop in place of an annual cash crop.

Polycrop Establishment Insurance was rolled out as an establishment-based program, by which the producer will be eligible for a claim if 75 per

The need for an insurance product to address the practice of regenerative agriculture and its use of multi-species crop blends was brought forward by several producer groups...

The need for an insurance product to address regenerative agriculture and its use of multi-species crop blends was brought forward by several producer groups and representatives through an annual consultation process.

As a result, the Polycrop Establishment Insurance program was rolled out for the 2022 growing season. It has value for livestock producers, organic



MASC's new Polycrop Establishment Insurance is for growers who incorporate multi-species blends in their operation.

PHOTOS: GETTY IMAGES/ISTOCK/SERGIY AKHUNDOV

cent ground cover is not established throughout the growing season. It was designed to have a similar structure to MASC's Forage Establishment Insurance program, allowing producers to select low dollar coverage of \$40 per acre or high dollar coverage of \$80 per acre if adequate establishment is not achieved.

Polycrop blends are eligible for insurance with a seeding deadline of June 25.

The indemnity process is unique, designed to meet the needs of the diverse end-uses of polycrop blends. This was based on the fact that regenerative and livestock grazing systems will use whatever ground cover is obtained.

Producers in the program are not required to destroy the crop that was established in order to receive an indemnity. Achieving less than 50 per cent ground cover is considered a total loss and the client is eligible for a payment of their full chosen dollar value of coverage.

If 50 to 74 per cent ground cover is achieved, it is considered a partial loss and the client is eligible for payment of half their chosen dollar value of coverage.

Producers are eligible for a claim if adequate ground cover is not achieved by Aug. 31 during the year of planting.

In 2022, 8,460 acres of polycrop were reported by producers to MASC. Of these, 1,277 (more than 36 per cent) were insured under the program. Producers are required to report their polycrop acres even if they do not carry insurance under the benefit.

This information is valuable because insurance programs are continually evaluated. It's also valu-

able for research purposes to understand what types of polycrop blends are grown in which regions and for which purpose.

MASC allows producers to report a polycrop blend by the variety blend name if sold by retail or by a categorical type if the producer has their own custom-made multi-species blend.

In 2022, the Full Season Cover blend sold by Covers & Co. was the top-grown polycrop blend among all acres reported, making up more than 64 per cent of total acres. It is a blend of warm and cool-season plant species.

Custom-made polycrop blends were also popular with more than 11 per cent of reported acres using custom warm-season grass blends and more than 11 per cent using cool-season grass blends.

Focusing on designated risk areas for AgriInsurance, it appears polycrop acres are most prevalent in the south-central and southwest areas of the province. Risk Areas 4 and 10, located south centrally, reported the most insured polycrop acres. Risk Areas 3 and 6, further to the west, reported the most polycrop acres overall, though most were uninsured.

The polycrop insurance program saw good participation in its initial year and will be monitored in the upcoming growing seasons. MASC will continue to evaluate uptake.

The deadline to sign up or make changes to the 2023 AgriInsurance coverage selections is March 31. Once polycrop insurance has been selected, it is ongoing and will automatically renew each year until the producer cancels.

For any questions or to add Polycrop Establishment Insurance to coverage, contact an insurance specialist at a MASC service centre.

MASC forges ahead with technology transformation

INNOVATION: From a new online portal to adjusting by drone, MASC is committed to keeping pace with technology

By Mike Street, MASC

As technology in agriculture advances, Manitoba Agricultural Services Corporation (MASC) plans to keep pace with the latest developments.

The pace of technological advancements has quickened in the past few years. Following a thorough internal review of MASC's digital implementations, work began to modernize technology use at all levels.

“Our guiding principles are to provide a rich client experience that is convenient, capable and secure.”

— Chris Tornato, MASC

The first public-facing piece of the puzzle was myMASC, the online portal that allows clients to retrieve account information, report in-field production and file for claims. The latest updates are the modernized Seeded Acreage Report process and a client chat feature allowing clients to communicate with staff.

Using emergent technologies, MASC recently transformed its service delivery. The corporate structure was overhauled, its brick-and-mortar rural presence streamlined, and a client-centric approach applied to development, delivery and maintenance of programs and services.

As part of this, it implemented a project that allows staff and clients to interact through videoconferencing, client chat and a managed phone system.

“Farming is becoming increasingly data-driven, and MASC is proactively deploying innovative digital solutions to support Manitoba farmers,” said chief digital officer Chris Tornato.

It uses Microsoft Teams for communication. In the early days of the pandemic, digital communication was key for MASC to remain operational and for staff and clients to stay safe. Teams also offered efficiencies in internal information sharing.

“Teams really loosened up what you could call a compartmentalization of our individual service centres,” said Tornato. “Not too long ago, the opportunity for our rural staff to have face-to-face meetings to discuss common issues was more limited. Now these virtual, face-to-face meetings are a daily occurrence, and our clients are

seeing the benefits of a more connected staff, regardless of their location.”

In 2021, MASC hosted its first interactive webinar on Teams for clients wanting to know more about programs. Following the presentation, a recording of the ‘Forage Your Way to Success’ webinar was uploaded to MASC's YouTube channel, which now has more than 30 videos.

Other social media channels have also ramped up to better serve clients. Twitter, Facebook, and LinkedIn are used to relay information about programs and services, deadlines and special events. Most recently these channels were used to launch

the 'Get to Know Us' campaign to introduce front-line staff to clients.

Out in the field, MASC's adjustors employ new technology to increase the accuracy of claims reporting. They now use it to capture digital signatures, instantly upload adjusting claims.

Most recently, each of MASC's 10 service centres has been outfitted with drones capable of capturing aerial imagery.

"Some crops like sunflowers are really hard to adjust due to the height," said adjusting manager Brendan Blight. "It leads to inaccuracy. We might miss adjusting a crop area that is damaged, solely because it was outside our sampling sites or walking paths to them. With views from a drone, the damaged spots are much easier to spot."

Drone imagery was particularly helpful in 2022, a crop year that began with many fields inundated by overland flooding.

"The drones were another tool in our toolbox. Adjustors could go out and instantly assess the full scope of excess moisture in an area," said Blight.

The next step is to integrate true colour imagery into drone photos and explore other features to help adjustors assess the crop.



Drones allow adjustors to get a more complete picture of crop damage in conditions like flooding. PHOTOS: GETTY IMAGES/E+/EVANDRORIGON



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Fungal diseases are key challenge for many crops

PESTS: The vector might be small but the impact to crops can be large

By Gord Leathers, Yield Manitoba contributor

Many of Western Canada's most prominent crop diseases are fungal in origin. Some are old and some are new, but all can take a toll on crop productivity.

A recent panel discussion at the Manitoba Agronomists' Conference delved into fungal disease symptoms and management.

The old

Plant pathologist Jim Menzies from Agriculture and Agri-Food Canada discussed crown rust, a fungal disease that plagues oats. It can cause yield losses up to 40 per cent under severe circumstances.

"It's considered the most widespread and damaging disease of oat in the world and you can find it wherever oats are grown, except under conditions of very arid climate because it needs dew to infect," he said.

It's a big problem in Canada and especially the Prairies, where 90 per cent of Canada's oats are grown. Crown rust comes in from the United States, floating on air currents. It falls on dew and invades leaf tissue. Small pustules of spores erupt seven to 10 days later, spread to other plants and erupt again. The infection disrupts photosynthesis and can seriously weaken the plant.

"It can cause severe yield loss for the farmer and it can also affect the quality of the grain," Menzies said. "It develops best during warm days of 20 to 25 C and moderate nights, 15 to 20 C, with good dew formation."

The secret to its success is genetic variability. Researchers have a history of breeding resistant oats in Canada and the U.S. but the pathogen has overcome any genetic resistance bred into oats.

"The average crown rust resistance remains viable as an effective gene for resistance, on average, less than



Crown rust of oats is a widespread and pernicious disease that's proficient at evading crop resistance

PHOTO: CROP DEVELOPMENT CENTRE/UNIVERSITY OF SASKATCHEWAN

five years so these ratings can change dramatically," Menzies said.

He still recommends using resistant oat strains.

"I would use it anyway because, even if the pathogen population has changed, lines that had good resistance tend to do better than lines that didn't, even if the resistance is overcome."

Fungicides can also be effective but he cautions farmers not to use the same one every time. Menzies also suggests seeding early in spring so the plants are better established before spores arrive on the wind. Avoid fields bordered by buckthorn because it acts as an alternative host.

"It's there all year so in the spring, when the spores are starting to be produced on the buckthorn, it will spread that much earlier to the oat crop," Menzies said. "You'll have more chance for the disease to build up."

Continued on page 16

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The new

Verticillium longisporum is a fungal disease starting to appear in canola. It was first identified in a field south of Winnipeg in 2014, so it's relatively new to Manitoba and not much is known about it.

"We refer to it as verticillium stripe because we see a stem striping or a half stem senescence more so than wilting symptoms," said agronomist Justine Cornelsen with Brett Young Seeds. "Some key points here with this particular pathogen, it is a soil-borne pathogen and it does cause vascular diseases in brassica plants so it's not just a canola pest."

The infection starts with a micro sclerotia, dormant inoculum that may be sitting in the soil or on dead plant tissue. When it finds a host, it enters through the root and into the vascular tissue. It leaves a light discolouration in the stem tissue that's visible in a cross section. Cornelsen started seeing this in fields where she was conducting research on blackleg in 2018.

"I kept coming over these stem cuts and this root tissue just didn't look right," she said. "This greyish brownish hue was really complicating my ratings for blackleg."

"When you see them side by side, you can see the vast difference with verticillium stripe with those micro sclerotia versus blackleg, where we see something like pycnidia, large fruiting bodies that you can actually feel. Verticillium kind of leaves a silverish hue across the stem."

"We refer to it as verticillium stripe because we see a stem striping or a half stem senescence more so than wilting symptoms."

— Justine Cornelsen, Brett Young Seeds

The disease has been spreading. This year's survey looked at 115 fields and found 38 per cent showing verticillium.

"This particular pathogen thrives in these hot dry conditions that we've been having in the last few years," Cornelsen said. "I know it was wet this spring but it did turn dry and this is likely why we continue to see verticillium stripe increase."

Since it's soil-borne, it will move in wind and water so management is similar to that of clubroot. Another wrinkle is micro sclerotia. Some infected plants bearing this inoculum are bound to find their way into a combine.



A peeling stem epidermis near the end of the growing season is a symptom of verticillium infections.

PHOTO: MANITOBA AGRICULTURE

"We cut through the inoculum source so we are cutting through all of the micro sclerotia and they are going everywhere. Managing that is going to be pretty well impossible," she said. "Resistance is our go-to tool for managing a lot of these diseases."

There is promising work being done but solutions are not yet apparent.

"Our options are limited, very limited until we get some more sources of resistance," Cornelsen concluded. "We're going to see more and more companies start trying to identify the resistance among their hybrids and there's a few that already are."

The roadblock

The third disease up for discussion is aphanomyces root rot, a fungal pathogen of legumes, particularly peas.

"It really likes to punch its way into those pea roots and it shows no mercy once it's in there," said Agriculture and Agri-Food Canada plant pathologist Syama Chatterton. "It just kind of dissolves those pea roots away."

Managing aphanomyces is important problem if growing peas in quantity. Peas and other pulse crops produce plant protein and are important in the Prairie protein strategy. They fix their own nitrogen, improve soil health and diversify crop rotation.

"So there's a big push by the pulse industry to see pulse acreage increase to 25 per cent by 2025, which is only three years away," Chatterton said. "What that means is that we would like to see a pulse crop included in your rotation once every four years."

Aphanomyces vexed pea growers a few years ago and many shied away from them because of fungal issues. Aphanomyces may be the toughest but it's rarely found on its own. It usually appears as part of a complex of

pathogens such as pythium, some fusarium species and rhizoctonia.

“Most of the time when we’re pulling up our roots it’s really a combination of fusarium and aphanomyces,” Chatterton said. “Fusarium causes a blackening of the taproot whereas aphanomyces really eats away at the roots and leaves nothing behind.”

It also has staying power in the soil. When done with a pea crop, it develops oospores with thick walls that can wait until another susceptible crop takes root.

In moist spring soil, the oospores germinate to produce a zoosporangia, providing thousands of zoospores with a waving flagellum mounted on the cell like an outboard motor.

“They can swim and find those pea roots,” Chatterton said. “They can infect very, very rapidly, within seven to 10 days, and we can see complete destruction of the roots.”

So far, the best and perhaps only management option for aphanomyces is careful rotation. It takes six to 10 years to burn out the oospores. So it’s a long wait.

Chatterton said it is best not to plant peas or lentils in a field with a recent history of aphanomyces. Additionally, avoid fields that went through a particularly wet May or June the last time there were peas or



Aphanomyces root rot can devastate pea fields.

FILE PHOTO

lentils planted. These are ideal conditions for setting oospores.

“That brings us to the prospects of future management and really, all that we can talk about right now is crop rotation,” Chatterton said. “That is crop rotation in terms of avoidance so remove pea and lentil from rotation for six to 10 years if you know you have pea root rot in your field.”

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Record keeping and agility key to crop rotation

PLANNING: There are a lot of moving and changing parts that go into sowing decisions

By Gord Leathers, Yield Manitoba contributor

One of the most important realities to consider in planning crop rotation is the sheer number of variables.

Even small farms are complex operations and what is planted in one field will have longer-term repercussions. Three Manitoba agronomists sat down at this winter's Manitoba Agronomists' Conference to discuss their thinking, how it affects their planning and what they hope it will do for their clients. "Make sure we have good record keeping; it's a huge asset," said Kory Van Damme of Fortified Agronomy. "Definitely double check with the grower what they're doing and what we wanted them to do and that something didn't get chucked out in the mix."

Van Damme drove that point home with a story about a canola field that gave him grief a few years ago after the grower changed up the rotation. It all worked out, but he said it emphasizes that every agronomist needs to consider that fields have a history and last year's crop can have a profound impact on this year's crop.

"When I'm out scouting we mark off every weed that we see and we highlight that farm's driver weeds."

— Liz Karpinchik, Tone Ag Consulting

"I was used to (growing) wheat and canola and then we threw peas in the mix," he said. "When I started seeing Group 2 symptoms in the canola the following year, I had a couple of sleepless nights and had to break it to the grower."

It turned out to be a residual problem with a Group 2 herbicide commonly used on peas. Imazethapyr applied the previous year was still active and started to affect the canola.

"We babysat it and fortunately we had enough rain the year before, so it wasn't detrimental. In fact, it turned out to be one of his best fields on the farm. Very fortunate but I will never forget it," Van Damme said.

Liz Karpinchik of Tone Ag Consulting outlined some

of her record-keeping and how she uses it to keep track of her clients' weed situation. She makes colour-coded weed maps.

"When I'm out scouting, we mark off every weed that we see and we highlight that farm's driver weeds," Karpinchik said. "Then I colour code our herbicide records so we can make sure that we're doing a nice job of rotating through glyphosate-tolerant or Liberty-tolerant fields. We have all this data available so we can quickly go back and make sure that we're not doing Roundup on Roundup on Roundup."

This sums up a major reason for running a rotation: keep potential pests like weeds, disease and insects off balance by changing up pest management. The more data collected over time, the better choices one can make.

Jason Voogt of Field 2 Field Agronomy has a list of what he called the major factors that go into rotation planning. All of these things tailor the overall farm production to what it should be able to produce.

It starts with total farm acreage, which then determines the number and sequence of crops on that land.

"Growers with 1,000 acres are not going to grow five or six different crops versus a grower with 11,000 acres," he said. "A farmer with 11,000 acres might be more adaptable to adding more crops in the rotation and helping extend that rotation as well."

Then there's the soil texture across the farm.

"We have a mix of heavy clay soils as well as sandy soils, so we have growers that have both on their farm," he said. "In heavy clay soil he's not going to grow dry edible beans necessarily, but he can on those sandier soils."

Crop fertility requirements and crop water usage are next considerations.

"Wheat can be a pretty tough crop to grow after sunflowers because it takes up a lot of moisture and a lot of nutrients," Voogt said. "They're not leaving a lot for that wheat crop."

Herbicide use, carryover concerns and insect and disease potential also weigh in.

The seeding equipment available to the grower, when and how it matches the seeding conditions can affect crop choices.

"We've had growers with a disk drill or a single disk drill, but it's too wet to get onto the field. They still have a hoe drill so they can pull that out," Voogt said. "Or they couldn't get the planter going because it's too wet, but they could still get their soybeans in with the hoe drill instead. They have that flexibility."

Risk management and markets are his last two points to ponder, and he stresses that rotations aren't necessarily cast in stone. Sometimes farmers need to be nimble, even though the field's recent history still plays a part. Voogt recommended changing the crop a few times and doing something other than the initial plan. It may even mean back-to-back seedings of canola on canola, soybeans on soybeans or corn on corn.

"In some cases we had to do this to utilize residual nitrogen, since we were drought central the year before," he said. "But that leads to increasing risks for disease, herbicide carry over and sometimes not being able to utilize that nitrogen."

"We had growers who were intending to grow corn or canola on a field with high residual but couldn't get it on the field and had to switch to something else like

soybeans. They couldn't utilize that nitrogen efficiently but, because it was a field that may or may not have been ready to go, they had to switch that crop."

In other cases Voogt suggested forgoing a spring planting altogether.

"There was a situation that we had with more of the western part of our geography in wet sands where we just pulled the pin (and) didn't seed some acres," he said.

"Obviously, there's reduced income, but there are blessings in disguise with this too. Now you have the opportunity to look at weed management or some resistant weed issues and we can put together a plan with chem fallow. Or introduce cover crops to help with soil health, or introduce a winter cereal."

Rotation planning is a complex undertaking and offers many options. It all comes down to what can or should be done this year. Still, according all three panelists and summed up by Voogt, the most important thing to consider is what was done last year.

"We sit down with our growers, go over what happened and do a year in review. We look at each issue, in each field and the decisions we made before planning the next year," Voogt said.

He agreed with the other panelists on the importance of good record-keeping to make better decisions.

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Seasons within a season

WEATHER: There was a lot of variability for the 2022 growing season

By Alison Sass and Timi Ojo, Manitoba Agriculture

One way to look at the 2022 growing season is to consider the “seasons” that were experienced within the season.

A long, late seeding season was dominated by cool temperatures and water-logged soils. A growing season with warmer conditions allowed some crops to compensate for late seeding but they were challenged by disease pressure and severe storms.

Finally, the growing season was rounded out with a harvest season that seemed to drag on for many farmers as they once again had to deal with delays and rain.

The year 2022 had it all. Heavy snowfalls in the winter, a wet spring leading to overland flooding, summer rainstorms and a dry fall, leaving many to ask “what’s next?” on more than one occasion.

After an extremely dry 2021 growing season, agro-Manitoba entered the fall of 2021 with improved soil

moisture levels compared to the previous fall. Many areas saw soil with satisfactory soil moisture while other areas required winter precipitation to provide a seedbed with adequate moisture for 2022 crops.

By the end of March, most of the province had less than 80 per cent of the accumulated precipitation compared to the 30-year average. Only a few stations had accumulated off-season precipitation higher than the 30-year average. By the end of April, however, conditions couldn’t be more different.

Precipitation for April was significantly above normal in most regions of the province (Figure.1). April precipitation was 436 per cent of the 30-year average at Altona (central region), 419 per cent at St. Adolphe (eastern), 469 per cent at Petersfield (Interlake), 321 per cent at McCreary (northwest), and 222 per cent at Carberry (southwest).

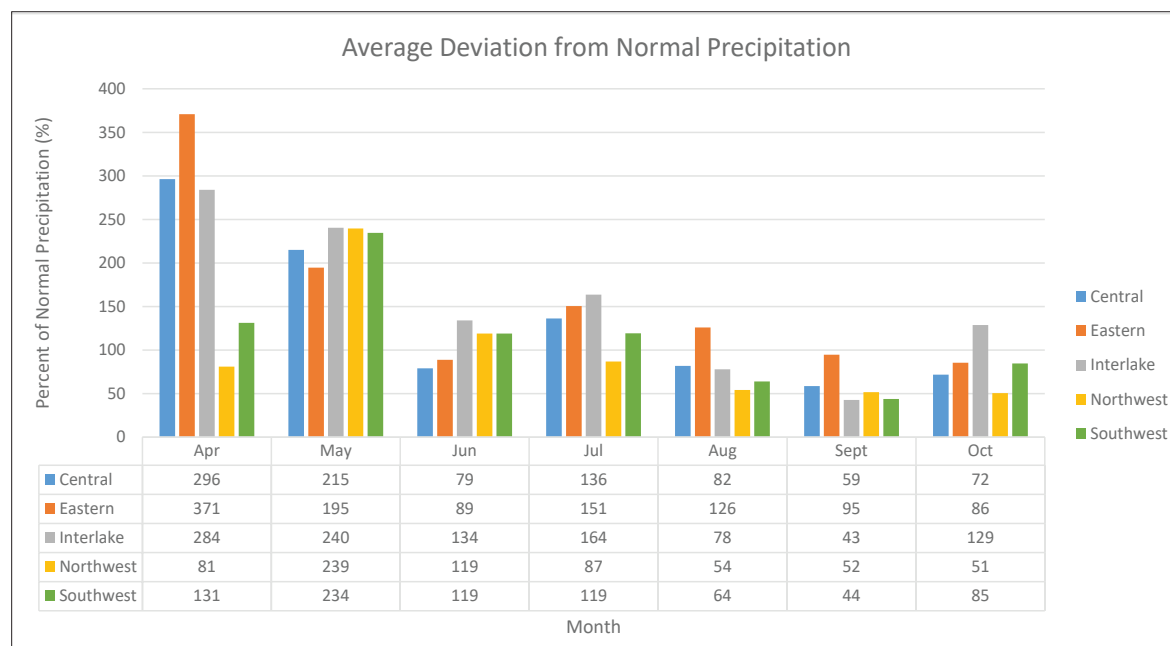


Figure 1: The average precipitation deviation from the 30-year average from Environment and Climate Change Canada (ECCC) from the years 1971-2000. Data is from the ECCC and Manitoba Agriculture weather stations in the agriculture regions of Manitoba.

Overland flooding washed out roads and saturated soils. More than 20 rural municipalities declared states of emergency due to flooding.

Precipitation was substantial throughout April, May, June and July when compared to the 30-year average rainfall from 1971-2000. It wasn't until August that cumulative precipitation amounts approached normal values.

Cool temperatures in spring slowed the drying of water-logged soils that were soaked in April and May. April was exceptionally cooler than the 30-year average throughout the agricultural regions of the province (Figure 2).

Almost every station in the Manitoba Agriculture weather network reported mean air temperatures below normal. The mean temperature difference from Nov. 1, 2021 to May 1, 2022 for all areas of agro-Manitoba was below the 30-year average. These conditions delayed seeding by several weeks in many areas.

Delayed summer

Just as things were drying up, a major rain event hit the Interlake on June 20-21. The west side of the Interlake near Lake Manitoba was especially hard hit, with stations such as Ericksdale (57 mm), Fisherton (65 mm), and Taylor's Point (71 mm) recording significant precipitation over a 10-hour period.

A heavy thunderstorm hit parts of central, eastern, and Interlake areas on July 18-19. Holland (64 mm), Treherne (59 mm), and Portage (57 mm) received

heavy rains in less than seven hours. The already waterlogged Interlake was hit hard again with the station at Teulon receiving 60 mm of rain in just four hours. This flooded fields and washed out roads in the area. Many crops in the Teulon area were damaged.

As the growing season progressed and summer finally arrived, temperatures warmed and precipitation tapered off. By mid-July, all regions of agro-Manitoba had an accumulated amount of growing degree days and corn heat units within 85-110 per cent of the 30-year average.

The year 2022 had it all. Heavy snowfalls in the winter, a wet spring leading to overland flooding, summer rainstorms and a dry fall, leaving many to ask "what's next?" on more than one occasion.

By the end of September, most regions had accumulated above normal growing degree days. Most agriculture regions of the province accumulated more than 103 per cent of the 30-year average of corn heat units by Sept. 30. The increase in temperatures allowed some crops to recover from seeding delays and wet conditions in the spring.

However, some crops faced added pressures as the

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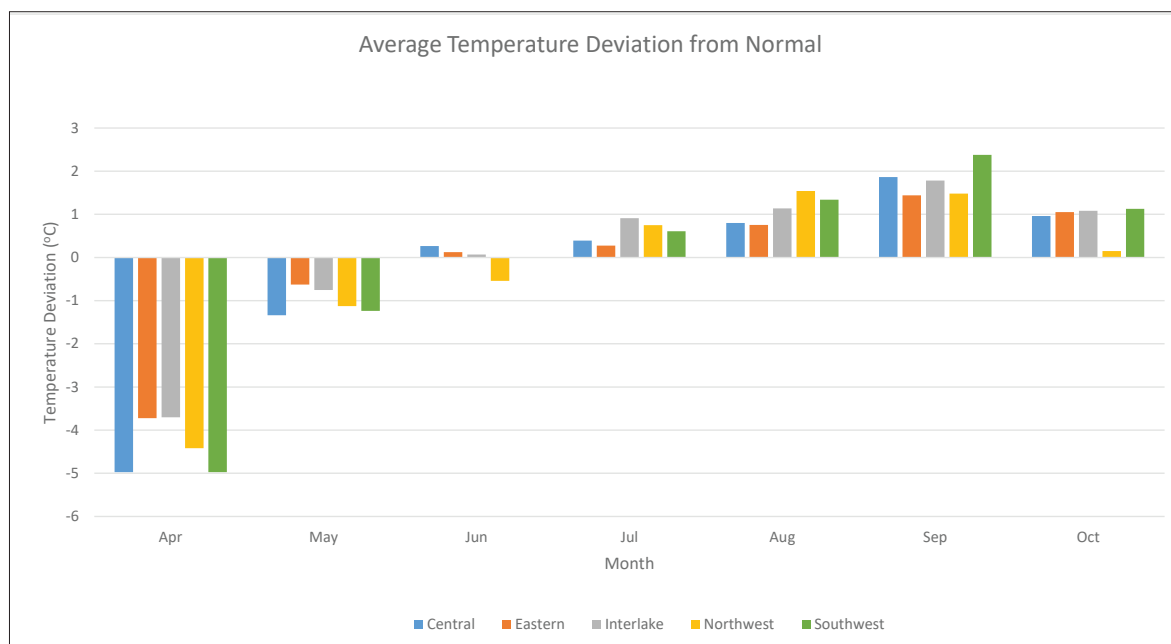


Figure 2: Average temperature deviation from normal averages by month for the 2022 growing season. Normals are the 30-year average temperatures from the year 1971-2000 provided by Environment and Climate Change Canada. Data is from ECCC stations and Manitoba Agriculture stations in agro-Manitoba.

Continued from previous page

warm, humid conditions provided ideal conditions for fungal diseases.

Cumulative precipitation remained above normal in many regions until fall. Figure 3 illustrates the cumulative rainfall at Treherne from May to October in comparison to the previous three years and the 30-year average.

The 2022 rainfall was consistently above the cumulative rainfalls for previous years throughout the season and was above normal until October. Drier conditions persisted in the fall, but due to delayed seeding, rainfall in late September and shortening daylight, harvest activities were lengthy and delayed as well.

End of season

The first widespread fall frost of 2022 was on Sept. 21-22, although only the western areas had killing frost. All regions experienced a second frost on Sept. 26-27.

Soil moisture at freeze-up in 2022 at the 0-120 centimetre depth was over 60 per cent for most of agro-Manitoba. Much of the Interlake, eastern, and southwest regions had over 80 per cent of available water holding capacity but there are pockets of central and northwest agro-Manitoba showing moisture at less than 60 per cent. This is in contrast to the dry fall of 2021 when much of the Interlake and eastern regions were under 60 per cent available water holding capacity.

Conditions are optimal to wet for most of the province at the 0-30 cm depth and the 0-120 cm root zone depth relative to field capacity.

Localized weather data becomes more essential as extreme weather begins to play a larger role in agriculture decisions. The Manitoba Agriculture Weather Program continues to grow in its station number and applications. In 2022, six new stations were installed at Saint Labre, Ingelow, Erickson, Jordan's Corner, Amaranth and Ashville.

The Manitoba Agriculture Weather Program now consists of 120 weather stations throughout agro-Manitoba providing data every 15 minutes. The reliability of the data is exceptional due to consistent maintenance and calibration schedules for each station.

Not only do these stations provide live information for day to day operations, but the longevity of the program has allowed for a considerable amount of historical data that can be used for long-term monitoring applications and agronomic modelling.

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, barometric pressure, soil temperature and soil moisture.

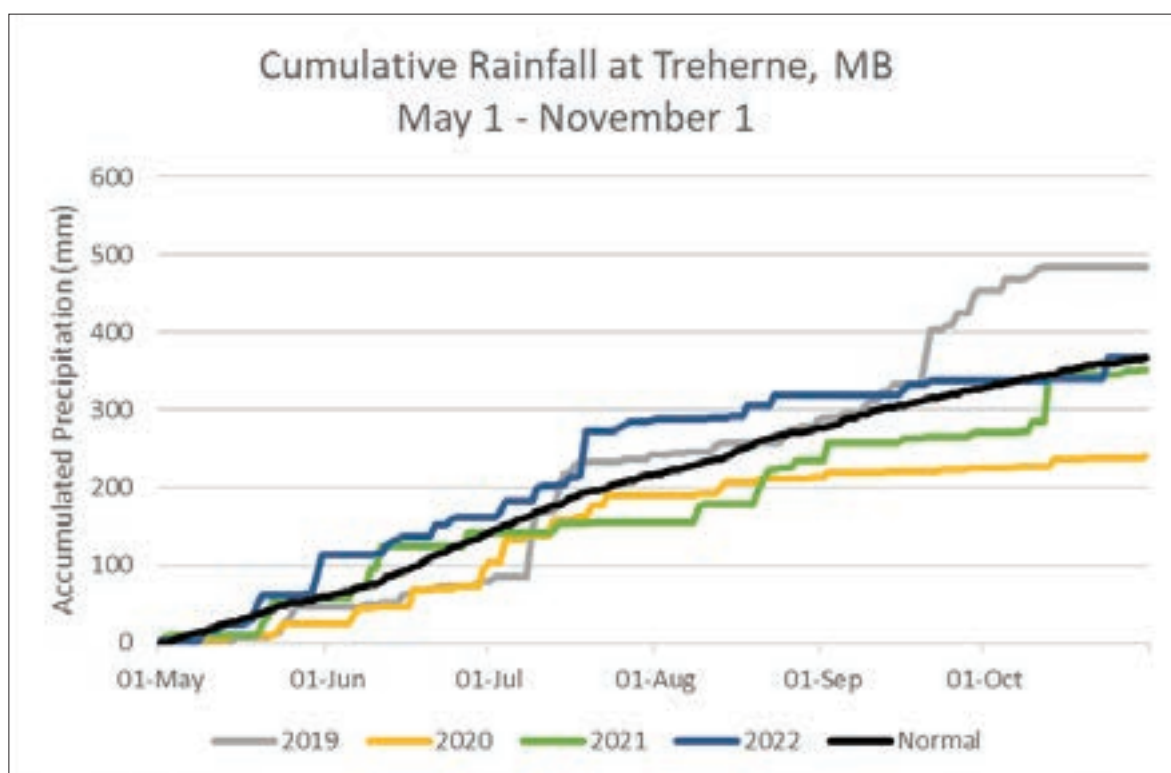


Figure 3: Total accumulated rainfall for Treherne, Manitoba for May 1 - November 1 for 2019-2022. The black line ("Normal") indicates the 30-year average precipitation (1971-2000) for this site provided by Environment and Climate Change Canada.

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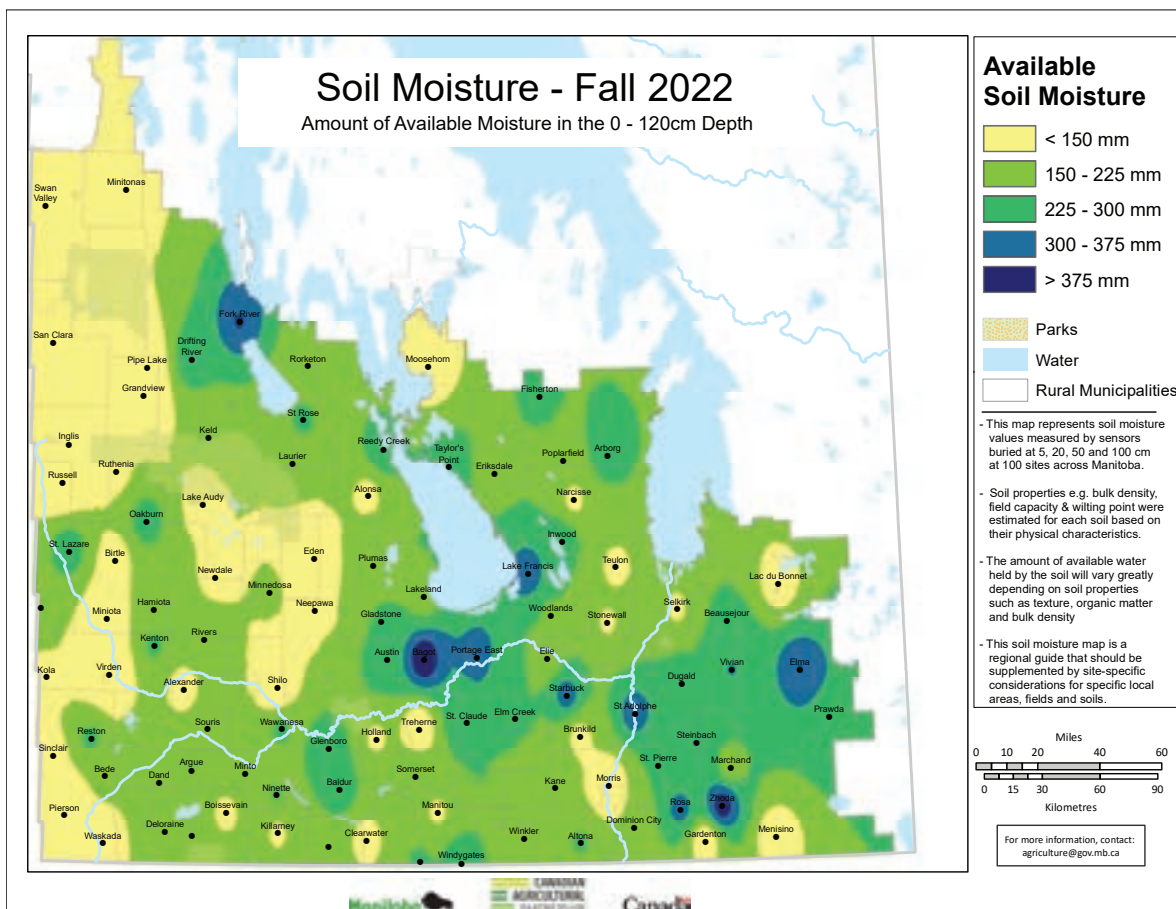
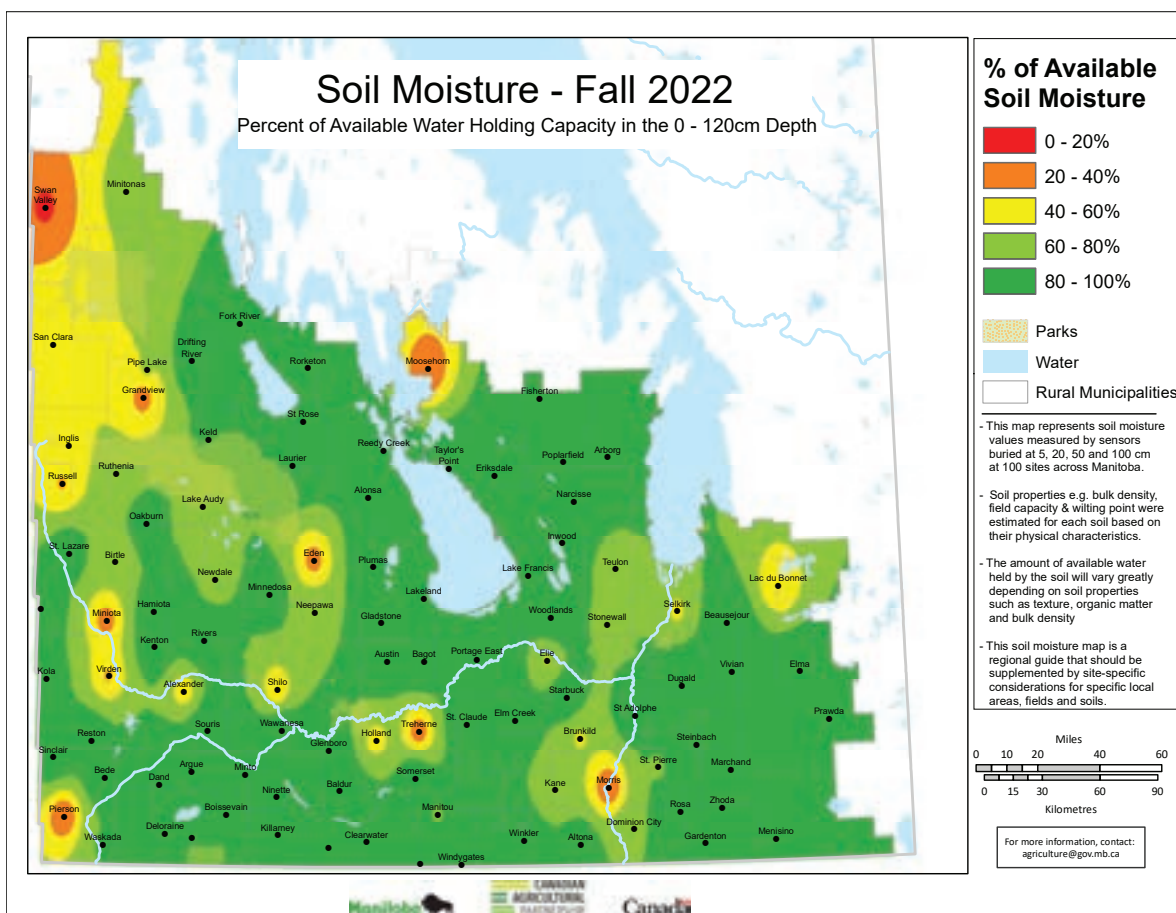
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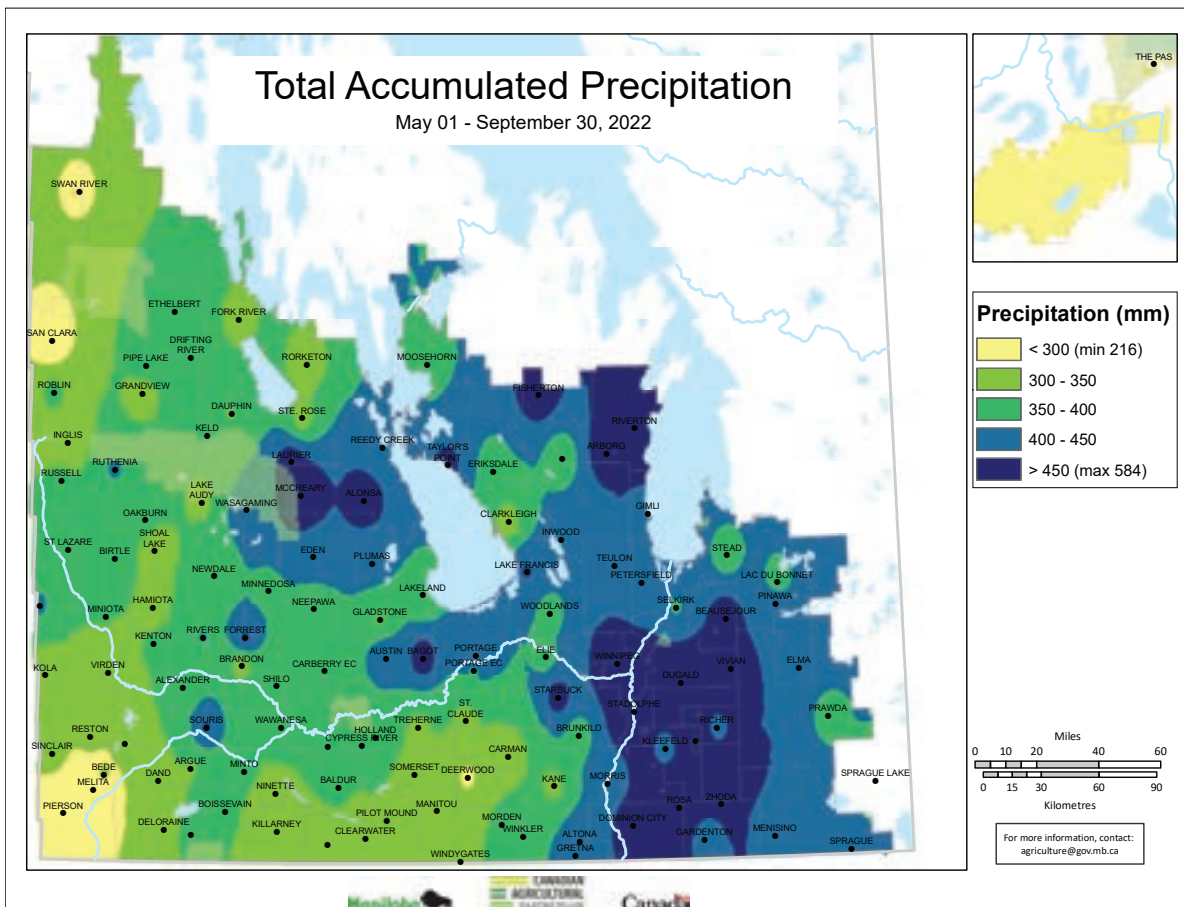
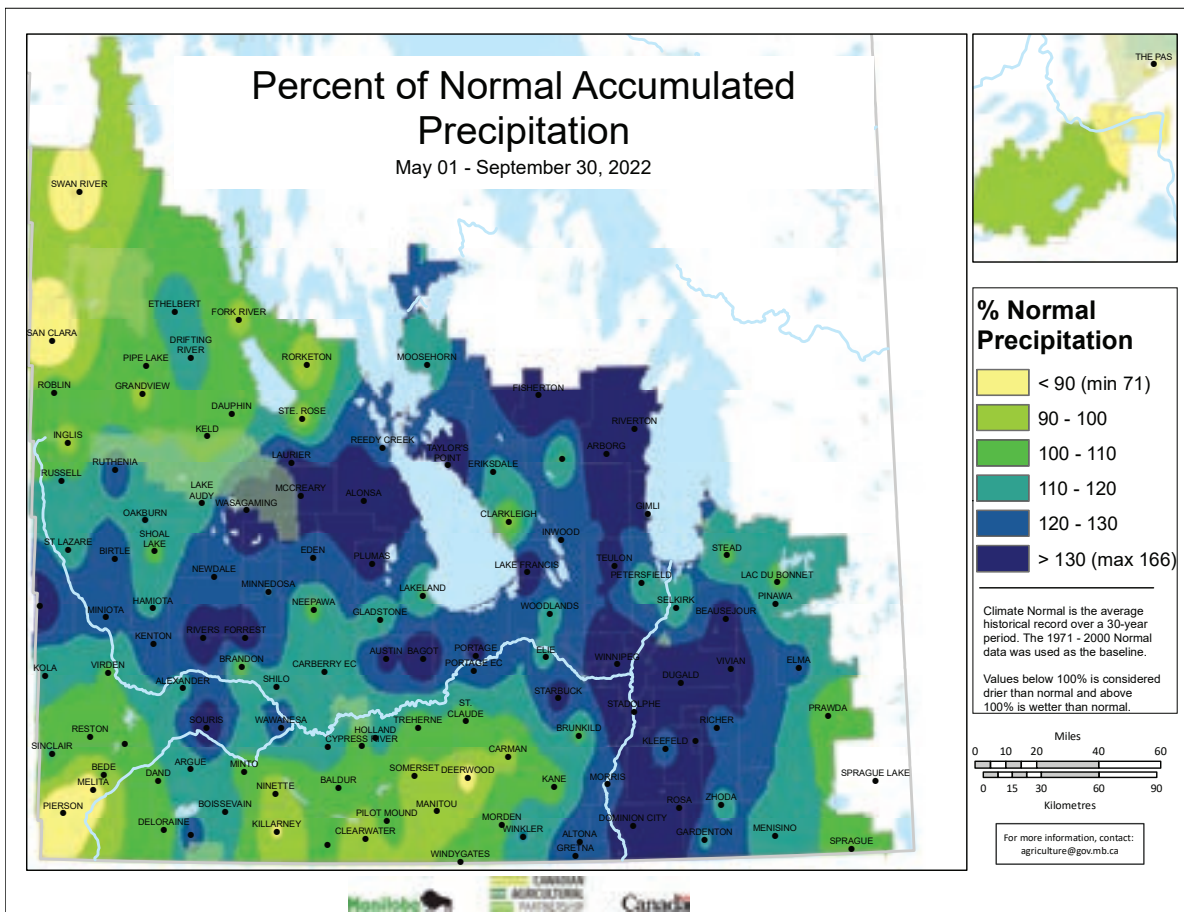


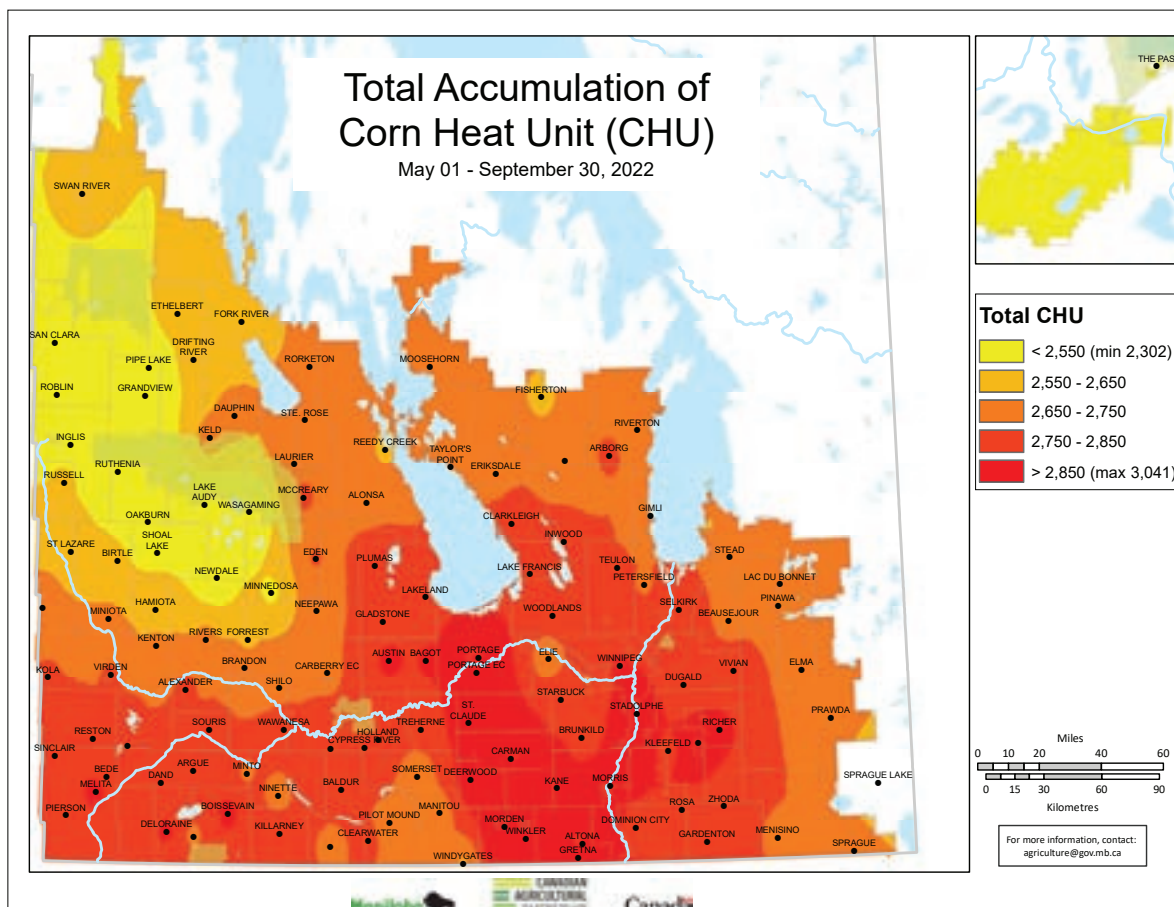
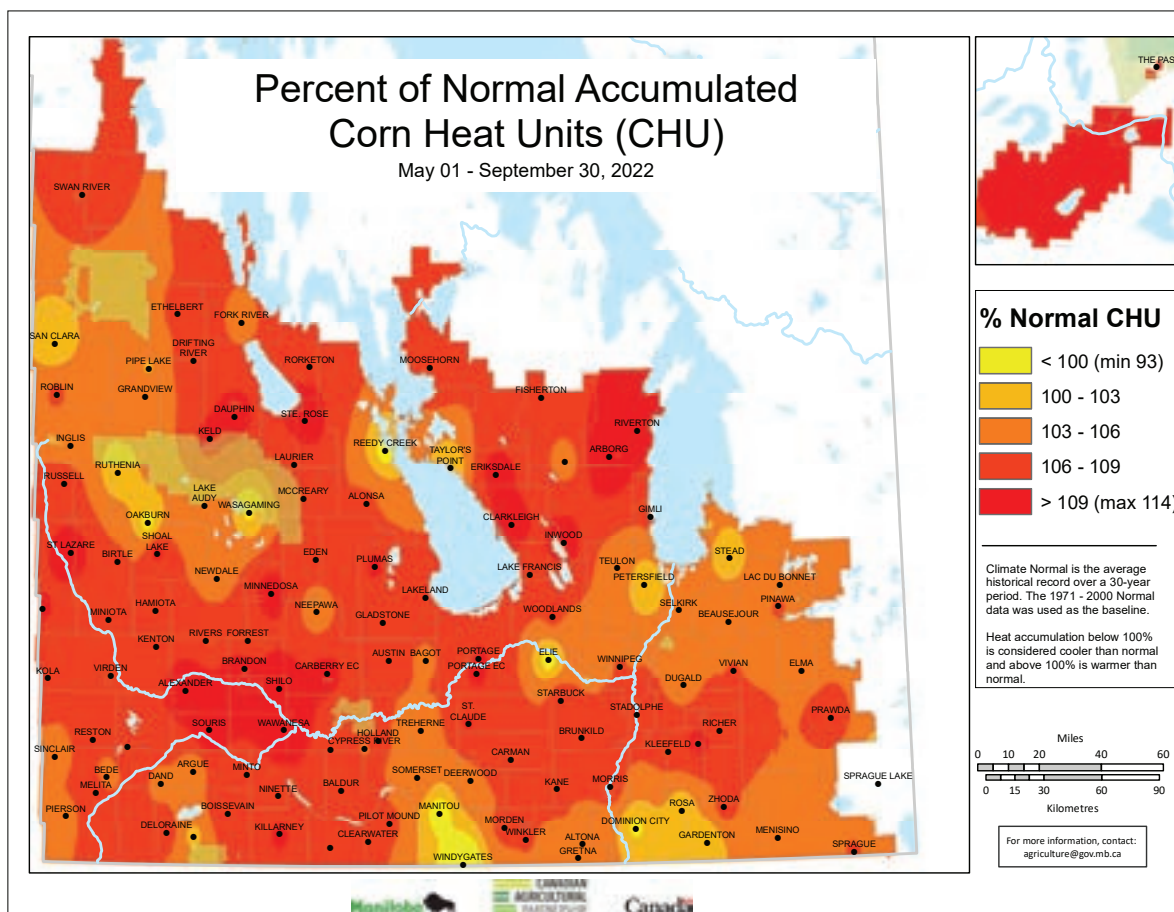
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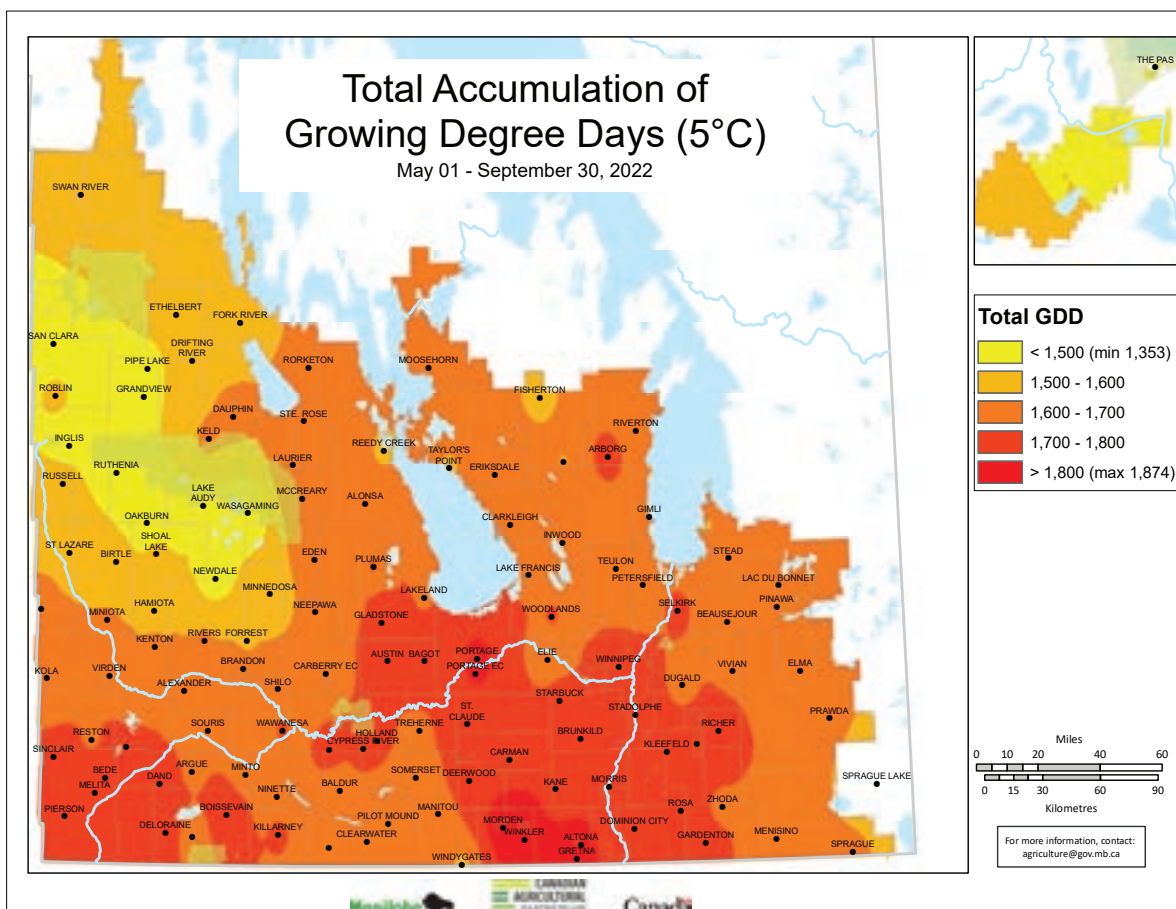
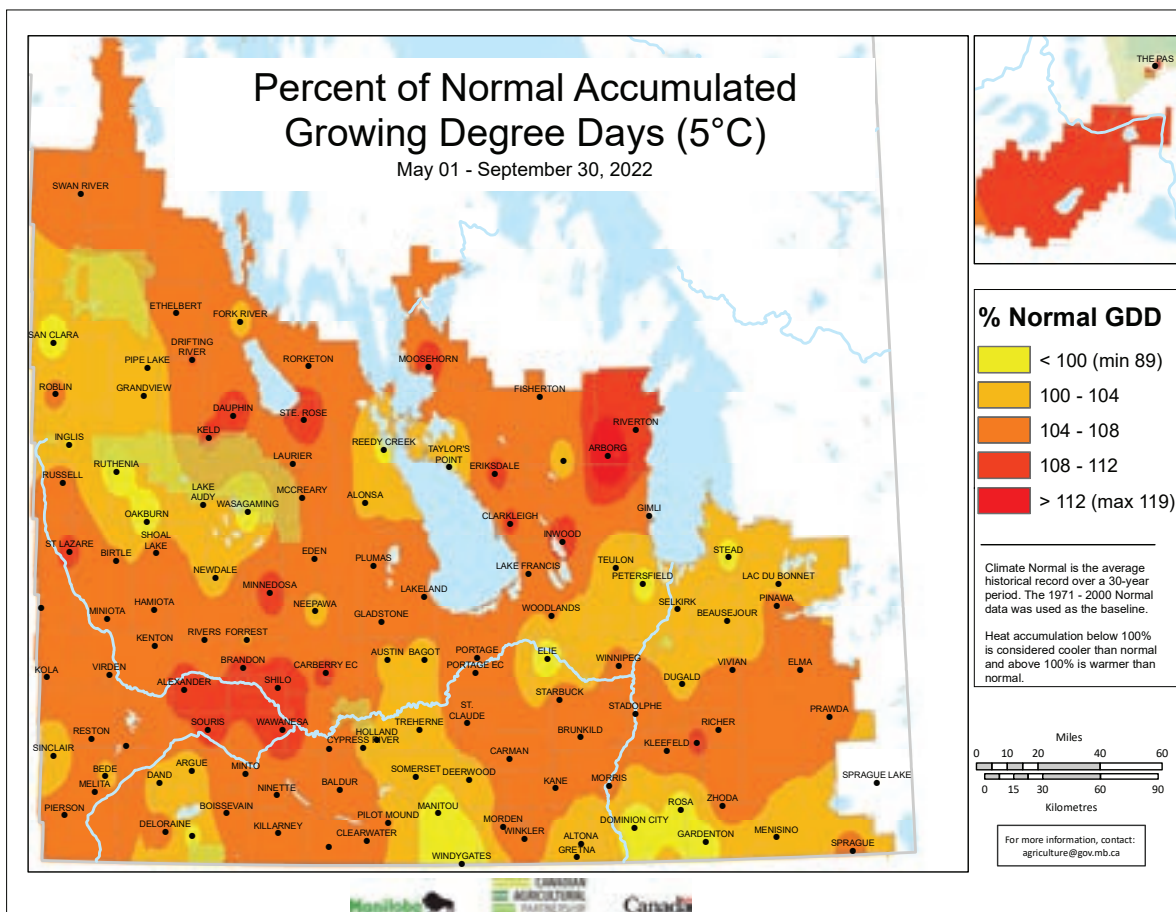
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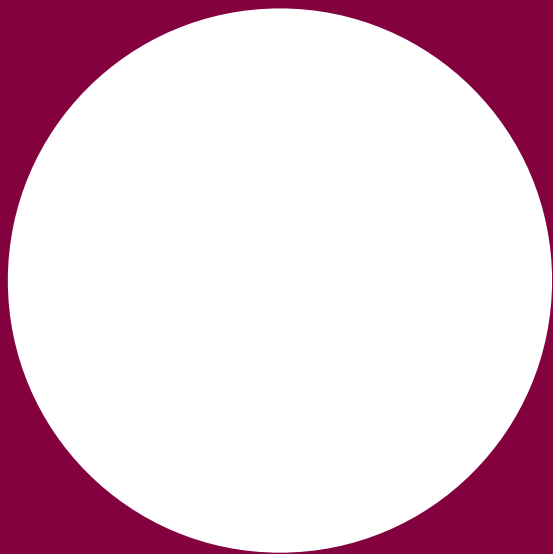


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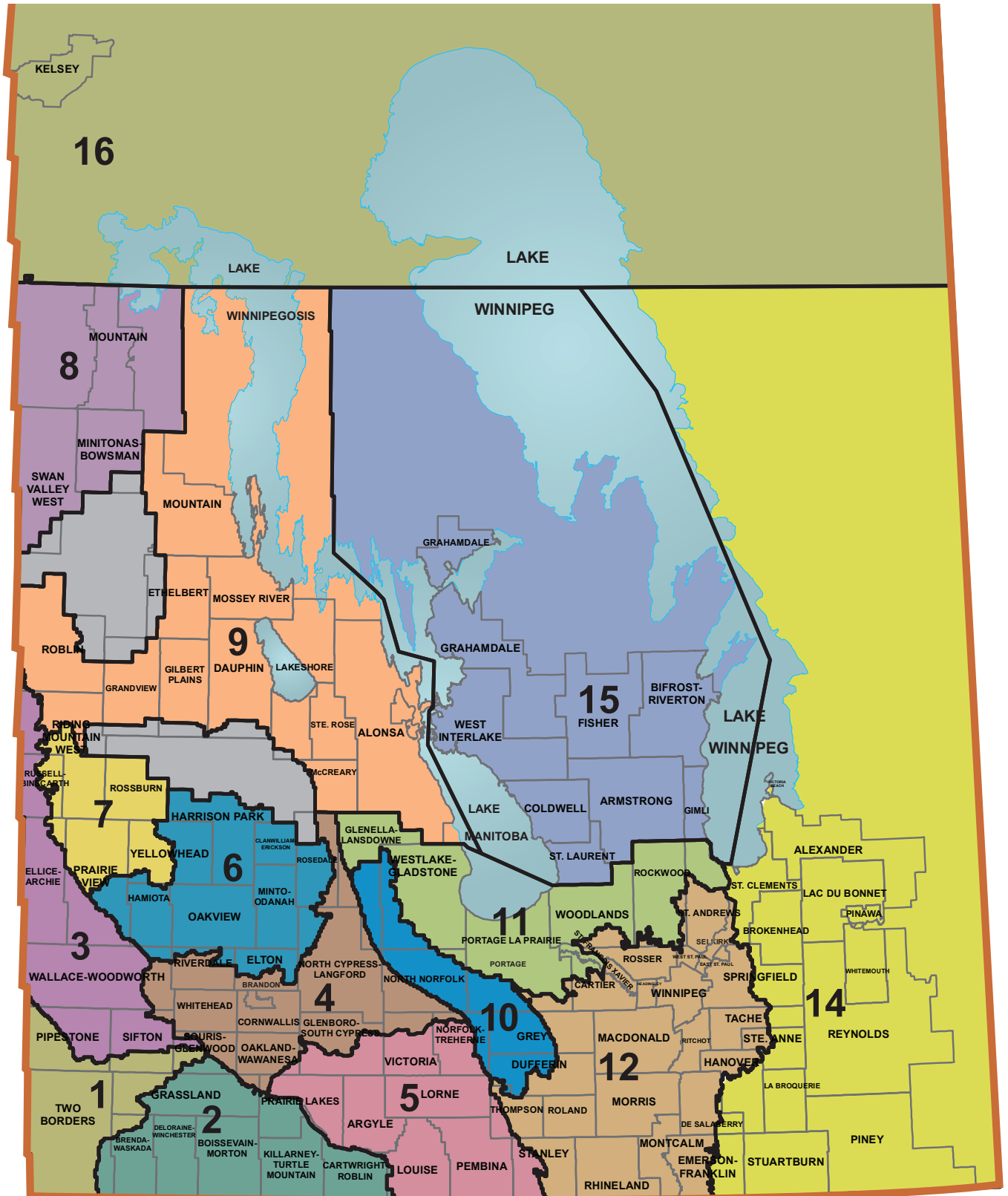
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RISK AREAS



MANITOBA

CANOLA YIELDS BY VARIETY 2018–2022†								MANITOBA	
Variety‡	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022‡ Acres		
L340PC (LT)	—	—	—	33	345,623	43	755,739		
L233P (LT)	47	45	44	32	1,004,446	41	731,612		
INVIGOR L345PC (LT)	—	—	47	31	282,574	42	181,962		
L357P (LT)	—	—	—	32	148,498	41	166,346		
L255PC (LT)	51	47	45	34	274,979	42	155,041		
DKLL 82 SC (LT)	—	—	42	29	171,898	38	142,670		
L356PC (LT)	—	—	—	—	—	45	141,957		
L258HPC (LT)	—	44	44	32	44,849	40	65,429		
P505MSL (LT)	—	—	—	32	39,956	38	60,107		
1028 RR (RT)	—	41	41	30	103,788	37	59,097		
L343PC (LT)	—	—	—	—	—	45	49,030		
DKTF 96 SC (RT)	—	—	39	27	82,397	36	46,505		
P508MCL (ST)	—	—	38	28	51,077	39	40,625		
L234PC (LT)	—	50	45	33	59,977	42	35,322		
DKTF 99 SC (RT)	—	—	—	28	13,092	40	27,536		
DKTFLL 21 SC (RT)(LT)	—	—	38	25	27,213	34	27,462		
DKLL 83 SC (LT)	—	—	—	—	—	39	25,747		
L252 (LT)	46	42	41	28	48,749	40	22,804		
CS4000 LL (LT)	—	—	—	30	9,440	38	20,957		
45CM39 (RT)	—	43	40	31	49,387	37	20,651		
DKTF 97 CRSC (RT)	—	—	—	29	11,767	37	17,135		
P506ML (LT)	—	—	—	33	69,272	36	16,557		
INVIGOR LR344PC (LT)(RT)	—	—	43	31	15,092	42	12,265		
B1030N (RT)	—	—	—	27	7,349	40	12,189		
BY 6204 TF (RT)	—	—	34	34	7,363	40	11,081		
B2030MN (CT)	—	—	—	23	30,134	33	10,797		
PV 660 LCM (LT)	—	—	40	29	15,595	36	10,306		
B3010M (LT)	—	44	42	31	23,565	37	9,736		
BY 5125 CL (CT)	—	—	—	30	3,737	38	9,299		
P501L (LT)	—	45	42	31	33,183	40	8,643		
P607CL (ST)	—	—	30	33	8,417	34	8,178		
PV 200 CL (ST)	43	40	38	30	12,550	35	7,814		
2028 CL (ST)	—	35	39	23	23,163	34	7,023		
44H44 (RT)	—	—	—	30	5,054	35	6,765		
PV 680 LC (LT)	—	38	41	29	6,257	38	6,074		
CS2300 (RT)	43	36	36	31	7,647	31	5,947		
DKLL 84 CRSC (LT)	—	—	—	—	—	41	5,352		
CP21T3P (RT)	—	—	—	25	2,148	37	5,097		
DKTF 93 SC (RT)	—	—	—	—	—	34	5,029		
45H42 (RT)	—	—	—	32	13,063	41	4,746		
CS3000 TF (RT)	—	—	—	—	—	37	4,671		
D3158CM (RT)	—	—	—	27	4,988	42	4,125		
6090RR (RT)	39	44	39	32	9,829	42	3,817		
PV 761 TM (RT)	—	—	40	24	12,133	39	3,732		
PV 760 TM (RT)	—	—	37	23	7,563	35	3,569		
DKTFLL 22 CRSC (RT)(LT)	—	—	—	—	—	39	3,505		
P509L (LT)	—	—	—	—	—	39	3,450		
B3012 (LT)	—	—	—	—	—	41	3,329		
PV 560 GM (RT)	35	30	38	16	951	33	3,282		
45M35 (RT)	45	44	40	29	1,681	35	3,191		
BY 6207 TF (RT)	—	—	—	25	545	37	2,845		
BY 6211 TF (RT)	—	—	—	—	—	36	2,718		
V25-3T (RT)	—	—	—	—	—	39	2,667		
1026 RR (RT)	40	37	39	25	20,000	35	2,484		
V25-5T (RT)	—	—	—	19	951	37	2,467		
75-65 RR (RT)	40	36	35	22	8,729	42	2,309		
D3157C (RT)	—	—	—	28	3,292	33	2,302		
DKTF 98 CR (RT)	—	—	35	27	4,940	40	2,283		
6074 RR (RT)	44	40	34	28	9,668	42	2,162		
PV 780 TC (RT)	—	—	34	28	750	30	1,972		
CS2500 CL (ST)	48	41	39	25	9,869	38	1,767		
DKTF 95 HL (RT)	—	—	—	25	1,726	38	1,655		
V25-1T (RT)	—	—	—	23	956	25	1,558		
L130 (LT)	46	40	—	33	547	45	1,513		
46H75 (ST)	45	43	42	27	7,654	35	1,490		
CS2600 CR-T (RT)	—	36	43	27	7,211	35	1,430		
V14-1	—	42	37	31	11,263	25	1,394		
1022 RR (RT)	41	40	35	31	2,841	32	1,354		
PV 280 CLC	—	—	—	—	—	28	1,338		
45CS40 (RT)	44	43	36	29	3,239	36	1,224		
CS2100 (RT)	37	29	35	18	1,664	41	1,187		
L230 (LT)	44	42	39	32	10,831	25	1,090		
CP21L3C (LT)	—	—	—	—	—	42	970		
L154 (LT)	—	—	—	—	—	37	947		
L241C (LT)	45	45	44	—	—	38	891		
2153 (LT)	—	—	36	34	2,829	46	887		
PV 540 G (RT)	40	34	32	27	3,416	34	842		
45A51 (RT)	49	50	49	23	669	31	775		

CANOLA YIELDS BY VARIETY 2018–2022†								MANITOBA	
Variety‡	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022‡ Acres		
BY 5105 CL (ST)	—	—	49	21	3,078	39	764		
L156H (LT)	—	—	—	—	—	24	723		
NEX 828 CL (ST)	—	—	—	29	613	33	708		
4157 RR (RT)	40	38	38	—	—	25	664		
CS2200 CL (ST)	50	43	26	—	—	30	633		
DKL 34-55 (RT)	—	—	—	—	—	44	595		
45H37 (RT)	38	37	—	32	1,225	33	583		
PV 581 GC (RT)	37	44	—	—	—	31	576		
5535 CL (ST)	—	—	—	—	—	33	574		
SY4166 (RT)	45	36	40	—	—	30	505		
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§								41.1	3,074,426

WHEAT YIELDS BY VARIETY 2018–2022†								MANITOBA	
Variety‡	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022‡ Acres		
AAC BRANDON (RS)	65	61	65	50	1,253,183	59	1,119,876		
AAC STARBUCK (RS)	—	66	72	51	290,186	64	508,745		
AAC WHEATLAND (RS)	—	—	69	57	125,038	65	220,762		
AAC VIEWFIELD EXP (RS)	69	64	65	54	198,915	69	192,302		
AAC REDBERRY (RS)	64	60	61	49	119,432	55	96,384		
FALLER (NHR)	72	68	76	51	96,803	70	90,897		
AAC ELIE (RS)	63	60	62	47	91,364	55	59,357		
BOLLES (RS)	—	63	66	50	94,985	58	58,583		
AAC LEROY VB (RS)	—	—	66	49	26,908	59	41,204		
CARDALE (RS)	61	57	61	48	43,154	57	27,412		
CS ACCELERATE (PS)	—	—	66	51	13,790	64	23,549		
PROSPER (NHR)	75	62	77	53	22,106	71	21,102		
CDC LANDMARK (RS)	70	65	59	55	25,524	66	18,871		
SY GABBRO (RS)	—	—	67	46	15,165	66	13,736		
CS DAYBREAK (RS)	—	—	70	54	9,958	63	13,147		
AAC WILDFIRE (W)	—	—	70	57	1,785	54	12,889		
SY ROWYN (PS)	69	63	77	47	18,104	71	12,242		
EMERSON (W)	52	58	63	51	9,734	50	12,126		
AAC TISDALE (RS)	66	54	57	45	26,059	59	11,657		
SY TORACH (RS)	—	67	64	42	17,457	57	11,037		
SY CAST (RS)	—	—	—	46	4,250	53	10,404		
AAC HOCKLEY (RS)	—	—	—	41	529	72	8,163		
AAC PENHOLD (PS)	73	66	72	55	7,449	67	8,066		
CARBERRY (RS)	54	45	53	44	11,859	46	6,958		
GLENN (RS)	57	53	60	47	10,565	57	6,449		
AAC GATEWAY (W)	62	58	65	55	9,732	68	5,977		
AAC HODGE (RS)	—	—	—	—	—	70	5,223		
CDC PLENTIFUL (RS)	59	54	60	43	4,730	56	5,129		
CDC STANLEY (RS)	49	49	57	32	7,199	52	4,518		
AAC GOLDRUSH (W)	—	—	68	56	989	54	3,704		
CDC VR MORRIS (RS)	68	58	68	52	4,982	68	3,100		
AAC ELEVATE (W)	40	60	65	51	3,969	26	3,062		
AAC CAMERON VB (RS)	59	56	62	49	22,135	51	2,934		
AC DOMAIN (RS)	57	50	44	30	553	43	2,621		
SHELLY (NHR)	—	—	—	—	—	68	2,400		
PASTURE (OS)	71	—	—	—	—	46	2,236		
AAC REDSTAR (RS)	—	—	—	—	—	56	1,900		
AC BARRIE (RS)	45	41	53	34	3,117	43	1,886		
CDC HUGHES (RS)	71	65	55	37	5,636	42	1,881		
SHELLY (RS)	—	—	—	45	1,170	75	1,772		
5604HR CL (RS)	59	59	47	44	1,903	45	1,493		
CDC BUTEO (W)	49	41	55	49	1,065	46	1,295		
AAC MAGNET (RS)	—	—	—	49	1,412	47	1,238		
CDC ORTONA (RS)	—	—	—	47	3,242	46	1,224		
AAC ALIDA (RS)	—	71	58	51	4,879	47	1,091		
CDN BISON (ES)	—	—	—	62	1,592	71	964		
CDC SKRUSH (RS)	—	—	—	41	861	23	748		
AAC REDWATER (RS)	66	61	56	54	1,621	54	730		
SY MANNESS (RS)	—	—	—	—	—	80	577		
AAC BROADACRES (RS)	—	—	—	—	—	52	575		
FIELDSTAR VB (RS)	—	—	—	—	—	57	574		
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§								61.5	2,682,021

SOYBEAN YIELDS BY VARIETY 2018–2022†						MANITOBA	
Variety‡	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022‡ Acres
S007-Y4 (RT)	33	32	40	28	171,755	46	102,190
S001-D8X (RR2X)	—	—	33	32	41,296	42	52,431
P006A37X (RR2X)	—	27	40	26	61,764	48	48,732
S007-A2XS (RR2X)	—	—	44	25	33,466	51	33,588
DKB005-52 (RT)	32	28	42	25	56,155	49	32,135
P001A48X (RR2X)	—	39	38	31	28,272	43	31,008
S0009-M2 (RT)	34	29	38	32	49,529	38	29,784
TH 87003 R2X (RR2X)	33	30	37	27	36,046	43	23,538
S003-24X (RR2X)	—	—	39	28	37,587	42	21,291

SOYBEAN YIELDS BY VARIETY 2018–2022†							MANITOBA	
Variety‡	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022‡ Acres	
NSC SPERLING RR2Y (RT)	31	26	39	21	41,972	51	20,259	
SI 001XTN (RR2X)	—	—	—	24	22,285	40	19,889	
DKB002-32 (RR2X)	—	—	39	30	28,345	41	19,473	
NSC WINKLER RR2X (RR2X)	—	26	40	29	22,714	54	18,869	
SI 007XTN (RR2X)	—	—	—	31	19,663	50	15,796	
NSC HOLLAND RR2X (RR2X)	—	—	—	30	1,177	49	15,274	
P003A97X (RR2X)	—	28	39	28	14,222	42	14,867	
DKB008-48 (RR2X)	—	—	—	26	2,669	54	13,198	
BOURKE R2X (RR2X)	—	28	40	22	15,894	44	12,771	
AKRAS R2 (RT)	30	27	38	30	19,797	45	12,392	
TH 89004 R2X (RR2X)	—	—	34	33	9,552	38	11,920	
P005A83X (RR2X)	—	29	38	26	23,942	42	10,660	
P00A49X (RR2X)	—	27	42	34	16,965	55	10,002	
PS 0027 RR (RT)	28	22	34	25	10,622	41	9,891	
S003-R5X (RR2X)	—	—	—	—	—	47	9,594	
P005A27X (RR2X)	31	31	40	27	19,502	44	9,253	
NSC WARREN RR (RT)	25	26	29	26	19,669	32	9,182	
25-10RY (RT)	32	27	40	30	16,480	48	8,666	
S005-C9X (RR2X)	—	—	39	22	13,303	51	7,202	
B0012RX (RR2X)	—	—	—	—	—	45	7,037	
B0041RX (RR2X)	—	—	—	21	6,745	46	6,701	
TH 88007 R2X (RR2X)	33	28	41	28	9,918	51	6,590	
DKB003-29 (RR2X)	30	29	37	30	9,334	42	6,473	
NSC DAUPHIN RR2X (RR2X)	—	—	—	—	—	43	6,358	
AMIRANI R2	—	—	34	29	7,874	40	6,146	
SUNNA R2X (RR2X)	—	29	39	21	10,423	45	5,873	
PV 16S004 R2X (RR2X)	—	28	37	29	6,703	46	5,640	
PV 22S002 R2X (RR2X)	—	—	—	28	1,399	43	5,192	
DKB0009-89 (RR2X)	—	33	35	31	13,249	38	5,121	
CP005WPRX (RR2X)	—	—	—	29	4,238	47	4,750	
OAC PRUDENCE	23	19	27	11	7,546	11	4,669	
NSC CARTIER (RR2X)	—	—	38	23	4,758	52	4,601	
LISKA	—	—	—	29	3,646	40	4,589	
MAO R2X (RR2X)	—	—	—	34	2,332	49	4,261	
YOUNG R2X (RR2X)	—	—	—	—	—	38	4,048	
TH 81007 R2XN (RR2X)	—	—	—	28	5,083	56	4,048	
KUDO R2X (RR2X)	—	—	37	26	5,875	36	3,881	
LS 0036RR (RT)	40	26	38	31	5,205	40	3,846	
DKB008-81 (RT)	32	—	—	29	1,889	56	3,708	
S0009-F2X (RR2X)	—	—	41	27	5,643	36	3,688	
DKB006-80 (RR2X)	—	—	—	—	—	58	3,592	
DKB0008-87 RR2X (RR2X)	—	—	—	—	—	48	3,047	
MANI R2X (RR2X)	—	27	50	32	551	51	2,948	
NSC WATSON RR2Y (RT)	31	26	33	28	9,251	44	2,919	
ASTRO R2 (RT)	35	28	37	29	5,598	54	2,896	
24-10RY (RT)	34	26	41	25	12,219	42	2,807	
NSC GLADSTONE RR2Y (RT)	33	26	38	22	6,765	40	2,804	
NSC REDVERS RR2X (RR2X)	30	25	34	27	8,946	47	2,728	
LS 001XT (RR2X)	—	30	36	27	12,643	42	2,725	
MAYA	—	—	—	—	—	46	2,643	
ELMO E3	—	—	40	30	3,101	43	2,588	
HART R2X (RR2X)	—	—	—	27	1,058	40	2,564	
CP000521X (RR2X)	—	—	—	—	—	37	2,546	
MAHONY R2 (RT)	31	33	39	30	7,791	42	2,482	
P00A75X (RR2X)	—	—	40	27	1,798	55	2,392	
BARKER R2X (RR2X)	32	24	38	24	4,332	48	2,313	
TORRO R2 (RT)	33	24	33	23	2,747	35	2,164	
TH82005 R2X (RR2X)	—	—	—	—	—	53	1,982	
TH 88005 R2X (RR2X)	31	29	43	25	2,214	41	1,904	
FRESCO R2X (RR2X)	—	—	—	19	545	39	1,865	
B003-29 (RT)	29	28	37	28	5,518	44	1,793	
TH82006 R2X (RR2X)	—	—	—	—	—	50	1,683	
DKB0005-44 (RR2X)	—	28	38	29	2,987	49	1,681	
LS 007XT (RR2X)	—	23	39	34	10,664	45	1,636	
CP000621WPX (RR2X)	—	—	—	—	—	38	1,621	
P001T34R (RT)	—	—	—	39	731	44	1,565	
SI 00221XTN (RR2X)	—	—	—	—	—	46	1,514	
PV 15S0009 R2X (RR2X)	—	25	33	25	4,232	37	1,450	
TH89009 R2XN (RR2X)	—	—	31	36	2,373	26	1,389	
SIBERIA	—	23	35	29	7,683	25	1,382	
TH 32004 R2Y (RT)	31	24	38	32	1,560	47	1,381	
NSC RICHER RR2Y (RT)	33	28	39	32	4,432	48	1,350	
NSC ARDEN RR2X (RR2X)	—	—	—	—	—	37	1,318	
P005A59E	—	—	—	—	—	53	1,274	
B00071RX (RR2X)	—	—	—	—	—	40	1,231	
RX ACRON (RR2X)	—	19	37	31	2,531	44	1,217	
TH 87000 R2X (RR2X)	19	29	35	28	1,275	39	1,204	
SI 00321XT (RR2X)	—	—	—	—	—	45	1,168	

SOYBEAN YIELDS BY VARIETY 2018–2022†							MANITOBA	
Variety‡	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022‡ Acres	
REYNOLDS	—	—	—	22	1,595	32	1,140	
DKB 0008-87 (RR2X)	—	—	—	28	1,471	52	1,066	
B0051RX (RR2X)	—	—	—	20	590	43	1,055	
B0061E	—	—	—	—	—	50	972	
MIKADO R2X (RR2X)	—	—	—	20	1,670	42	952	
MAKO R2X (RR2X)	—	—	—	—	—	45	946	
NSC COULEE RR (RT)	27	—	42	35	2,160	56	938	
S0007B-7X (RR2X)	34	27	40	—	—	39	898	
MAJOR R2X (RR2X)	—	—	—	—	—	39	877	
MERINO R2X (RR2X)	—	—	—	—	—	49	870	
S006-M4X (RR2X)	31	27	42	29	7,710	50	859	
LS 0078RR (RT)	—	—	—	26	891	43	820	
P006T78R (RT)	30	33	—	—	—	55	794	
DKB0003-24 (RR2X)	—	—	—	27	853	45	792	
P006T46R (RT)	31	28	—	—	—	47	740	
TH 82005 R2X (RR2X)	—	—	—	—	—	51	719	
MERRITT R2X (RR2X)	—	—	39	41	680	57	674	
AAC EDWARD	11	—	18	—	—	31	638	
BADGER R2X (RR2X)	—	—	—	—	—	49	625	
S006-K3X (RR2X)	—	—	—	—	—	53	584	
TH 35003RR (RT)	—	—	—	—	—	40	503	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES							44.9	876,415

OATS YIELDS BY VARIETY 2018–2022†							MANITOBA	
Variety‡	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022‡ Acres	
SUMMIT	110	106	126	73	200,851	123	216,559	
CS CAMDEN	111	103	120	70	193,861	116	177,127	
CDC ENDURE	—	—	—	87	13,603	129	66,836	
CDC ARBORG	—	135	122	66	51,186	110	51,041	
ORE3542M	126	114	133	69	56,435	126	41,713	
ORE3541M	128	107	128	59	13,925	132	11,444	
SOURIS	95	88	102	50	14,449	108	10,865	
AAC DOUGLAS	—	—	—	70	1,245	133	9,054	
PINNACLE	93	85	107	48	7,384	121	7,359	
CDC HAYMAKER	84	86	98	34	13,102	76	5,769	
DOUGLAS	—	—	—	—	—	121	5,322	
CDC SO-I	88	82	87	46	6,260	84	2,849	
AC MORGAN	94	102	96	42	4,352	129	2,755	
LEGGETT	79	73	88	49	2,659	81	2,562	
FURLONG	75	79	99	36	1,778	91	1,441	
CDC BALER	60	59	79	28	2,136	69	1,254	
TRIPLE CROWN	61	80	54	34	821	106	1,101	
CDC MORRISON	99	95	119	66	1,844	129	1,040	
HAYWIRE	95	81	95	38	2,192	109	1,027	
AC ASSINIBOIA	63	77	88	16	819	115	1,025	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES							119.5	633,181

BARLEY* YIELDS BY VARIETY 2018–2022†							MANITOBA	
Variety‡	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022‡ Acres	
CDC AUSTENSON	82	82	89	56	138,761	77	112,157	
CONLON	78	77	83	58	48,951	78	51,369	
AAC SYNERGY	86	87	90	66	29,167	80	36,946	
AAC CONNECT	81	86	89	65	32,079	78	35,442	
CDC COPELAND	80	75	77	59	19,647	63	17,599	
CANMORE	84	83	85	45	14,051	59	13,749	
AC METCALFE	76	77	77	56	14,607	69	12,716	
CLAYMORE	69	92	85	49	9,874	75	9,392	
CDC FRASER	—	95	83	66	11,103	78	9,251	
NEWDALE	65	80	79	68	7,892	73	8,414	
CELEBRATION	64	65	69	41	13,842	72	7,322	
ESMA	—	—	—	59	840	88	6,113	
TRADITION	73	72	74	50	2,323	65	4,227	
CDC MAVERICK	63	66	55	33	4,193	50	3,091	
CDC BOW	—	81	63	50	3,544	81	2,922	
ALTORADO	—	—	—	89	1,002	64	2,534	
AB CATTLELAC	—	—	92	35	3,715	71	2,248	
SIRISH	—	—	—	—	—	94	1,505	
CDC CHURCHILL	—	—	—	—	—	86	1,406	
CDC COPPER	—	—	80	54	3,897	80	1,095	
LEGACY	80	53	64	39	951	65	777	
OREANA	—	83	82	37	1,535	69	687	
CHAMPION	78	81	74	48	716	100	621	
BEDFORD	—	—	—	—	—	62	581	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES							74.9	352,635

† 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, 2023;
* Assuming 48 lbs./bu.

CORN YIELDS BY VARIETY 2018–2022†							MANITOBA	
Variety‡	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022‡ Acres	
P7211AM (LT)(RT)(HX1)(YG)	—	117	124	95	60,244	142	41,495	
P7455R (RT)	—	115	133	97	34,933	155	24,186	
P7527AM (LT)(RT)	124	127	130	99	41,168	156	23,675	
P7211HR	119	113	123	77	17,084	140	18,415	
DKC31-85RIB (RT)(RIB)	—	—	153	125	14,988	183	14,230	
P7417AM (LT)(RT)(HX1)(YG)	—	122	124	105	11,328	153	12,422	
DKC24-06RIB (RT)	—	—	106	90	17,885	161	12,306	
P8588AM (LT)(RT)	—	—	—	138	5,326	181	9,944	
DKC29-89RIB (LT)(RT)(RIB)	—	125	135	114	10,234	166	9,454	
DKC21-36RIB (RT)(RIB)	—	—	115	88	3,314	148	9,142	
TH 6977 VT2P (RT)	—	128	138	111	11,304	164	9,141	
P7958AM (LT)(RT)(HX1)	130	131	141	111	13,255	159	8,927	
TH6278 VT2P (RT)(RIB)	—	—	—	—	—	161	8,457	
P7861AM (LT)(RT)(HX1)(YG)	—	—	125	111	12,661	160	8,380	
P7844AM (LT)(RT)	—	—	—	—	—	163	7,522	
DKC33-37RIB (RT)(RIB)	—	—	—	140	11,269	181	6,607	
P7417R (RT)	—	—	104	107	4,549	147	4,717	
PV 61276 RIB (RT)(RIB)	—	—	—	—	—	161	4,550	
P7861R (RT)	—	—	120	86	5,462	156	3,998	
TH 6875 VT2P (RT)(RIB)	122	110	114	104	2,980	139	3,441	
DKC33-78RIB (RIB)	132	139	155	122	8,660	184	3,323	
A4939G2 RIB (RT)(RIB)	120	132	124	123	5,130	158	3,305	
TH6072 VT2P (RT)(RIB)	—	—	—	—	—	132	2,807	
TH 6982 VT2P (RT)	—	123	122	133	5,364	158	2,554	
TH6079 VT2P (RT)(RIB)	—	—	143	121	7,438	167	2,101	
MZ 1544DBR (RT)	—	—	—	94	551	147	1,868	
TH6182 VT2P (RT)(RIB)	—	—	—	90	640	176	1,805	
P8407AM (LT)(RT)(HX1)(YG)	—	—	158	122	3,525	161	1,705	
PV 61180 RIB (LT)(RT)	—	126	120	136	2,248	164	1,588	
TH4072 RR (RT)	—	—	117	94	1,485	132	1,490	
MZ 1688 DBR (LT)(RT)	—	127	124	109	2,071	162	1,380	
DKC35-88RIB (RT)(RIB)	151	148	158	127	3,723	180	1,323	
DKC35-37RIB (RT)(RIB)	—	—	—	163	879	189	1,268	

CORN YIELDS BY VARIETY 2018–2022†							MANITOBA	
Variety‡	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022‡ Acres	
NS 271 (RT)	—	—	—	—	—	157	1,157	
CROPLAN 2123 VT2P/RIB (RIB)110	122	122	103	3,439	129	1,042		
E49K32 R (RT)(RIB)	—	—	—	118	710	156	935	
P8537AM (LT)(RT)	—	—	—	—	—	173	781	
PV 60172RR (RT)	—	—	—	93	968	148	778	
A3993G2 RIB (RT)(RIB)	—	—	94	102	1,526	135	776	
P7574AM (LT)(RT)	—	—	—	—	—	104	748	
DKC26-40 (RIB)	106	107	103	87	3,401	160	747	
PS 2320RR (RT)	—	—	—	—	—	65	737	
A4646G2 RIB (RT)(RIB)	—	127	—	—	—	153	706	
TH7578 VT2P (RT)(RIB)	—	123	123	114	712	144	648	
TH 7677 VT2P RIB (RT)(RIB)	111	100	128	—	—	148	620	
2288VT2P (LT)(RT)(RIB)	—	—	152	143	1,770	165	596	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						155.9	293,771	

FIELD PEA YIELDS BY VARIETY 2018–2022†							MANITOBA	
Variety‡	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022‡ Acres	
AAC CHROME	—	65	66	37	53,168	58	52,045	
AAC CARVER	49	56	58	35	60,331	57	46,745	
CDC LEWOCHKO	—	—	64	38	11,500	52	26,140	
AAC PROFIT	—	—	—	39	6,421	50	10,721	
ABARTH	62	64	63	38	16,304	53	8,959	
CDC MEADOW	51	47	54	36	10,351	45	8,075	
CDC AMARILLO	46	50	54	33	18,223	44	6,788	
CDC INCA	41	38	66	40	11,838	48	5,170	
4010	34	37	38	22	2,561	37	2,566	
AAC LACOMBE	54	56	56	41	4,821	65	2,431	
AAC DELHI	—	—	—	—	—	67	1,787	
CDC SPECTRUM	21	54	60	35	1,630	47	1,458	
LIVIOLETTA	45	50	46	21	1,280	45	1,383	
CROMA	—	—	—	39	2,341	57	1,000	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						53.9	181,173	

† 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, 2023;
* Assuming 48 lbs./bu.



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DRY BEAN YIELDS BY VARIETY 2018–2022†							MANITOBA	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022‡ Acres	
VIBRANT (PINTO)	2,066	1,424	2,344	1,356	45,005	2,372	35,508	
WINDBREAKER (PINTO)	1,942	1,164	2,427	1,085	28,857	2,606	20,629	
T9905 (WHITE PEA)	1,859	1,230	1,898	1,089	30,422	2,110	14,533	
ECLIPSE (BLACK)	1,722	1,404	1,907	1,030	13,742	2,310	10,205	
BL BLACK TAILS (BLACK)	—	—	2,196	1,978	1,960	2,436	4,765	
CDC BLACKSTRAP (BLACK)	1,982	1,003	1,748	1,453	10,042	2,035	4,582	
SV6139GR (PINTO)	—	1,446	1,559	1,409	6,664	2,150	2,978	
PINK PANTHER (KIDNEY)	1,510	1,259	2,271	1,191	5,208	2,784	1,776	
INDI (WHITE PEA)	1,673	1,151	1,812	1,369	2,410	2,090	1,724	
CRIMSON (CRANBERRY)	2,482	1,761	2,502	1,127	3,268	2,668	1,371	
AAC ARGOSY (WHITE PEA)	—	—	2,425	1,349	504	1,715	1,234	
ND PALAMINO (PINTO)	—	—	—	—	—	2,013	1,091	
BERYL (OTHER)	1,541	644	2,086	1,583	1,639	1,645	1,026	
LRK BIG RED (KIDNEY)	—	873	—	—	—	2,357	986	
RED HAWK (KIDNEY)	1,023	633	1,764	1,519	2,149	2,019	768	
CHIANTI (CRANBERRY)	1,667	1,299	2,295	999	2,058	2,628	656	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES						2331.6	112,517	

SUNFLOWER YIELDS BY VARIETY 2018–2022†						MANITOBA	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022† Acres
P63HE60 (ET) (O)	—	2,202	2,194	1,773	8,347	1,859	22,933
P63ME80 (ET) (O)	2,418	1,947	2,846	1,713	19,436	2,026	14,579
TALON (ET) (O)	1,792	1,883	2,083	1,698	8,058	1,779	8,769
N4HM354 (ST) (O)	2,511	1,927	2,288	2,011	10,842	1,973	6,514
P63M80 (O)	1,790	1,940	—	2,407	6,123	2,317	4,550
CP432E (O)	—	—	—	—	—	1,448	3,300
6946 (C)	2,114	—	2,743	1,676	2,086	1,720	2,334
N4H302 E (ET) (O)	—	—	—	—	—	1,878	2,153
P63HE501 (O)	—	—	—	—	—	2,028	1,208
6946 DMR (C)	1,843	1,900	2,383	1,574	8,168	1,825	1,169
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES						1915.9	71,280

FLAX YIELDS BY VARIETY 2018–2022†						MANITOBA	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022† Acres
CDC GLAS	27	17	36	17	25,040	39	17,898
CDC ROWLAND	—	—	—	15	2,303	37	9,597
CDC SORREL	26	14	24	13	7,122	28	3,720
AAC BRAVO	25	16	30	19	3,609	31	2,338
CDC BETHUNE	23	19	28	16	5,113	39	2,201
CDC NEELA	27	17	29	13	8,169	30	1,776
WESTLIN 72	27	23	34	14	1,064	29	1,126
CDC DORADO	—	—	—	18	577	24	775
AAC MARVELOUS	—	—	—	13	1,058	41	674
WESTLIN 71	—	—	—	—	—	35	546
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES						35.3	46,571

RISK AREA 1

CANOLA YIELDS BY VARIETY 2018–2022†						RISK AREA 1	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022† Acres
L233P (LT)	37	37	40	31	44,198	36	44,331
L340PC (LT)	—	—	—	31	18,918	38	37,336
INVIGOR L345PC (LT)	—	—	43	32	15,318	37	10,244
L357P (LT)	—	—	—	28	5,197	32	5,850
P505MSL (LT)	—	—	—	35	3,733	36	4,057
1028 RR (RT)	—	33	39	30	3,162	30	3,270
L356PC (LT)	—	—	—	—	—	38	2,770
L258HPC (LT)	—	34	44	32	2,687	40	1,952
DKLL 82 SC (LT)	—	—	40	31	6,591	36	1,918
L252 (LT)	38	34	37	27	4,777	33	1,879
DKTFL 21 SC (RT)(LT)	—	—	41	—	—	36	1,875
L234PC (LT)	—	37	35	24	1,123	34	1,634
L255PC (LT)	38	34	38	31	1,711	36	1,387
P506ML (LT)	—	—	—	26	5,029	38	1,338
CS4000 LL (LT)	—	—	—	29	921	34	975
B3010M (LT)	—	—	—	26	1,234	32	892
P508MCL (ST)	—	—	—	—	—	37	887
45CM39 (RT)	—	35	38	31	609	34	755
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES						36.3	133,338

WHEAT YIELDS BY VARIETY 2018–2022†						RISK AREA 1	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022† Acres
AAC BRANDON (RS)	54	51	53	40	56,236	48	47,535
AAC ELIE (RS)	54	51	55	38	15,804	49	15,202
AAC STARBUCK (RS)	—	—	—	42	5,226	52	10,246
AAC WHEATLAND (RS)	—	—	—	43	2,726	53	8,936
AAC LEROY VB (RS)	—	—	—	38	2,978	54	8,819
AAC VIEWFIELD EXP (RS)	56	50	55	40	3,003	39	3,238
AAC REDBERRY (RS)	—	—	44	32	2,774	41	1,640
CARBERRY (RS)	48	50	50	42	1,881	44	910
EMERSON (W)	42	49	—	—	—	53	885
CDC HUGHES (RS)	—	51	45	33	1,835	51	698
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES						49.2	101,772

SOYBEAN YIELDS BY VARIETY 2018–2022†						RISK AREA 1	
	2018	2019	2020	2021	2021	2022	2022‡
Variety¶	Yield	Yield	Yield	Yield	Acres	Yield	Acres
NSC WARREN RR (RT)	29	28	29	24	9,813	31	3,609
S001-D8X (RR2X)	—	—	—	20	1,569	32	2,778
TH 87003 R2X (RR2X)	—	21	37	36	1,118	36	1,121
S003-Z4X (RR2X)	—	—	37	23	2,614	30	834
TH 89004 R2X (RR2X)	—	—	—	—	—	35	514
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES						32.9	16,651

OATS YIELDS BY VARIETY 2018–2022†						RISK AREA 1	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022+ Acres
CS CAMDEN	104	94	109	55	15,221	92	13,055
CDC ENDURE	—	—	—	45	1,840	107	7,038
SUMMIT	96	97	106	61	10,320	96	7,036
CDC ARBORG	—	—	103	51	4,866	88	4,838
PINNACLE	99	95	102	43	4,809	104	4,329
SOURIS	98	73	96	42	4,528	86	3,057
LEGGETT	83	92	93	59	1,439	96	1,758
ORE3542M	—	—	—	—	—	77	1,068
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES						94.5	43,608

BARLEY* YIELDS BY VARIETY 2018–2022†						RISK AREA 1	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022† Acres
CDC AUSTENSON	79	75	77	49	6,000	70	3,485
AAC CONNECT	—	90	90	58	2,966	57	2,354
CDC COPELAND	63	73	75	47	3,509	58	2,302
AC METCALFE	66	86	80	48	1,861	60	2,151
AAC SYNERGY	—	90	90	63	1,348	67	1,954
CELEBRATION	67	61	65	52	2,523	63	1,362
AB CATTLELAC	—	—	—	32	1,305	63	597
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES						60.3	17,195

CORN YIELDS BY VARIETY 2018–2022†						RISK AREA 1	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022† Acres
P7211HR	111	—	—	52	875	111	924
P7211AM (LT)(RT)(HX1)(YG)	—	—	98	103	2,182	109	563
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES						120.8	2,178

FIELD PEA YIELDS BY VARIETY 2018–2022†						RISK AREA 1	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022‡ Acres
AAC CHROME	—	—	—	35	5,213	53	3,746
CDC AMARILLO	40	47	50	29	3,405	47	1,788
AAC CARVER	—	61	49	32	3,515	54	908
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES						51.1	8.101

RISK AREA 2

CANOLA YIELDS BY VARIETY 2018–2022†								RISK AREA 2	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022† Acres		
L233P (LT)	46	43	46	37	164,650	41	126,050		
L340PC (LT)	—	—	—	37	42,418	43	120,415		
INVIGOR L345PC (LT)	—	—	47	37	27,866	42	15,528		
L255PC (LT)	47	43	44	34	14,639	35	9,734		
DKTFLL 21 SC (RT)(LT)	—	—	34	27	4,848	34	8,886		
L356PC (LT)	—	—	—	—	—	44	8,202		
DKLL 82 SC (LT)	—	—	43	33	15,739	37	8,066		
L357P (LT)	—	—	—	35	14,582	33	7,358		
L258HPC (LT)	—	39	44	34	4,733	39	4,677		
P505MSL (LT)	—	—	—	35	3,322	36	4,616		
DKLL 83 SC (LT)	—	—	—	—	—	37	4,105		
L343PC (LT)	—	—	—	—	—	41	3,316		
CP21T3P (RT)	—	—	—	24	1,448	36	2,173		
1028 RR (RT)	—	36	40	26	4,754	31	2,080		
L252 (LT)	44	39	41	31	2,157	31	1,174		
P506ML (LT)	—	—	—	29	5,224	33	977		
PV 660 LCM (LT)	—	—	—	28	1,848	37	927		
INVIGOR LR344PC (LT)(RT)	—	—	39	—	—	44	896		
DKTF 96 SC (RT)	—	—	36	19	3,864	35	862		
P508MCL (ST)	—	—	—	27	1,249	34	794		
45CM39 (RT)	—	41	28	33	701	28	688		
PV 760 TM (RT)	—	—	36	23	1,767	33	625		
L234PC (LT)	—	43	38	33	1,462	35	596		
PV 780 TC (RT)	—	—	—	—	—	29	511		
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§					40.7	342,281			

WHEAT YIELDS BY VARIETY 2018–2022†								RISK AREA 2	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022† Acres		
AAC BRANDON (RS)	64	59	66	52	164,612	59	152,741		
AAC STARBUCK (RS)	—	—	59	52	23,520	63	36,603		
AAC WHEATLAND (RS)	—	—	64	52	20,134	67	23,673		
AAC ELIE (RS)	67	63	65	51	23,171	59	14,875		
CS ACCELERATE (PS)	—	—	70	50	6,541	68	10,091		
AAC REDBERRY (RS)	65	69	66	51	7,581	56	4,855		
BOLLES (RS)	—	—	66	52	894	56	2,815		
AAC LEROY VB (RS)	—	—	—	52	3,738	59	2,494		
PROSPER (NHR)	75	55	64	54	2,465	69	2,025		
SY CAST (RS)	—	—	—	51	765	38	1,499		
AAC VIEWFIELD EXP (RS)	67	61	55	45	2,499	52	1,478		
FALLER (NHR)	79	91	85	42	2,951	73	1,420		
AAC HOCKLEY (RS)	—	—	—	—	—	65	906		
CARDALE (RS)	59	46	51	49	3,349	55	853		
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§					60.6	262,943			

SOYBEAN YIELDS BY VARIETY 2018–2022†								RISK AREA 2	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022† Acres		
S001-D8X (RR2X)	—	—	—	33	7,394	40	10,036		
S003-Z4X (RR2X)	—	—	40	31	11,682	41	7,617		
P001A48X (RR2X)	—	—	40	31	7,016	42	4,447		
S007-Y4 (RT)	30	36	40	36	11,267	48	4,396		
TH 89004 R2X (RR2X)	—	—	—	30	1,367	39	4,186		
TH 87003 R2X (RR2X)	31	34	38	34	7,492	48	3,814		
S003-R5X (RR2X)	—	—	—	—	—	42	3,454		
NSC HOLLAND RR2X (RR2X)	—	—	—	—	—	43	2,683		
SI 001XTN (RR2X)	—	—	—	27	2,971	41	2,194		
DKB002-32 (RR2X)	—	—	40	34	2,211	35	1,884		
BOURKE R2X (RR2X)	—	—	—	29	724	44	1,618		
SUNNA R2X (RR2X)	—	33	41	30	2,677	42	1,611		
AKRAS R2 (RT)	25	36	43	29	3,184	42	1,394		
DKB009-89 (RR2X)	—	34	36	30	2,593	38	1,215		
P006A37X (RR2X)	—	—	41	34	2,448	49	1,156		
P003A97X (RR2X)	—	—	—	—	—	48	1,096		
PV 1550009 R2X (RR2X)	—	—	32	26	862	33	621		
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§					41.8	63,778			

OATS YIELDS BY VARIETY 2018–2022†								RISK AREA 2	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022† Acres		
CS CAMDEN	118	117	125	84	22,975	99	28,853		
SUMMIT	109	115	121	80	23,885	109	23,437		
CDC ENDURE	—	—	—	91	1,602	123	11,179		
CDC ARBORG	—	—	123	75	11,421	105	5,980		

OATS YIELDS BY VARIETY 2018–2022†								RISK AREA 2	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022† Acres		
ORE3542M	—	—	104	85	1,349	117	1,702		
SOURIS	103	113	134	—	—	111	666		
CDC HAYMAKER	—	—	101	19	1,625	90	588		
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§					107.2	73,526			

BARLEY* YIELDS BY VARIETY 2018–2022†								RISK AREA 2	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022† Acres		
AAC SYNERGY	91	90	97	68	5,688	92	6,994		
CDC AUSTENSON	105	97	97	64	6,233	89	6,419		
AAC CONNECT	—	80	85	61	3,035	81	5,534		
CDC FRASER	—	—	74	60	3,211	79	3,770		
CLAYMORE	—	—	87	45	1,551	94	2,633		
TRADITION	70	—	81	48	1,288	64	2,324		
CONLON	75	95	83	60	2,765	85	2,196		
NEWDAL	46	95	84	57	834	89	1,287		
CDC COPELAND	63	66	82	61	2,505	80	1,020		
CDC BOW	—	—	80	40	1,174	66	891		
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§					84.1	35,902			

CORN YIELDS BY VARIETY 2018–2022†								RISK AREA 2	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022† Acres		
P7211AM (LT)(RT)(HX1)(YG)	—	110	115	118	10,531	124	4,207		
P7455R (RT)	—	105	102	103	1,894	131	1,413		
DKC21-36RIB (RT)(RIB)	—	—	—	107	625	144	815		
P7211HR	122	119	—	95	1,814	101	645		
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§					132.0	11,313			

FIELD PEA YIELDS BY VARIETY 2018–2022†								RISK AREA 2	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022† Acres		
AAC CHROME	—	—	70	40	6,366	63	5,133		
AAC CARVER	—	59	67	44	5,244	65	3,143		
AAC PROFIT	—	—	—	45	1,504	55	2,420		
CDC LEWOCHKO	—	—	—	43	1,310	57	2,137		
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§					60.5	14,738			

DRY BEAN YIELDS BY VARIETY 2018–2022†								RISK AREA 2	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022† Acres		
CDC BLACKSTRAP (BLACK)	1,757	1,074	1,956	1,539	4,841	1,927	2,495		
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§					1926.8	2,495			

FLAX YIELDS BY VARIETY 2018–2022†								RISK AREA 2	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022† Acres		
CDC GLAS	—	9	38	20	2,715	36	1,876		
CDC SORREL	26	6	26	15	2,113	29	890		
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§					32.9	3,721			

RISK AREA 3

CANOLA YIELDS BY VARIETY 2018–2022†								RISK AREA 3	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022† Acres		
L233P (LT)	46	42	45	33	45,589	38	34,837		
L340PC (LT)	—	—	—	33	12,671	39	28,459		
L357P (LT)	—	—	—	29	7,031	43	11,050		
L356PC (LT)	—	—	—	—	—	39	8,829		
INVIGOR L345PC (LT)	—	—	49	33	6,164	41	8,506		
P505MSL (LT)	—	—	—	29	5,912	31	6,410		
L234PC (LT)	—	39	50	34	7,920	40	5,165		
1028 RR (RT)	—	41	45	29	6,505	37	3,640		
DKTF 96 SC (RT)	—	—	42	26	6,207	42	3,635		
P506ML (LT)	—	—	—	28	5,960	26	3,181		
L255PC (LT)	48	44	46	30	8,198	35	3,148		
L343PC (LT)	—	—	—	—	—	40	2,881		
CS4000 LL (LT)	—	—	—	—	—	35	1,967		
45CM39 (RT)	—	40	40	25	10,028	37	1,862		
DKLL 82 SC (LT)	—	—	48	35	3,054	38	1,658		
B3010M (LT)	—	—	—	31	1,397	32	1,430		
L258HPC (LT)	—	—	—	30	985	37	1,406		
DKTFLL 21 SC (RT)(LT)	—	—	—	—	—	32	978		
P508MCL (ST)	—	—	—	32	4,311	35	970		
DKTF 99 SC (RT)	—	—	—	—	—	46	929		
L252 (LT)	42	41	41	28	3,862	36	690		
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§					38.2	141,253			

† 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

WHEAT YIELDS BY VARIETY 2018–2022†							RISK AREA 3	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022† Acres	
AAC BRANDON (RS)	62	59	61	43	55,386	54	39,636	
AAC STARBUCK (RS)	—	—	—	46	14,642	58	30,859	
AAC WHEATLAND (RS)	—	—	73	47	13,052	60	28,899	
AAC REDBERRY (RS)	62	55	58	41	7,636	50	7,934	
AAC ELIE (RS)	64	59	60	44	5,847	58	4,377	
CDC LANDMARK (RS)	70	59	57	38	3,752	62	3,778	
BOLLES (RS)	—	53	55	37	6,418	50	3,379	
AAC LEROY VB (RS)	—	—	—	54	756	61	2,328	
SY TORACH (RS)	—	—	66	36	1,603	61	1,920	
GLENN (RS)	51	50	55	—	—	52	1,711	
AAC VIEWFIELD EXP (RS)	62	66	60	43	5,328	62	705	
AAC MAGNET (RS)	—	—	—	—	—	47	680	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							56.7	128,997

SOYBEAN YIELDS BY VARIETY 2018–2022†							RISK AREA 3	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022† Acres	
TH 89004 R2X (RR2X)	—	—	—	27	556	36	1,083	
S001-D8X (RR2X)	—	—	—	—	—	39	929	
P001A48X (RR2X)	—	—	—	27	666	39	729	
S007-Y4 (RT)	30	24	36	21	3,046	40	603	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							37.4	6,826

OATS YIELDS BY VARIETY 2018–2022†							RISK AREA 3	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022† Acres	
CS CAMDEN	94	93	103	55	6,656	92	6,009	
CDC ARBORG	—	—	—	67	972	111	2,058	
SUMMIT	70	74	107	74	2,565	104	1,895	
CDC SO-I	—	91	94	43	1,553	75	848	
ORE3542M	—	—	—	—	—	97	619	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							93.7	15,052

BARLEY* YIELDS BY VARIETY 2018–2022†							RISK AREA 3	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022† Acres	
CDC AUSTENSON	75	80	93	44	11,275	72	10,861	
CONLON	69	—	—	59	1,729	84	2,166	
AAC CONNECT	—	84	86	43	2,130	76	2,137	
CDC COPELAND	79	79	83	47	2,797	54	1,894	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							72.5	19,729

CORN YIELDS BY VARIETY 2018–2022†							RISK AREA 3	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022† Acres	
P7211AM (LT)(RT)(HX1)(YG)	—	—	95	104	762	81	936	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							94.5	1,716

FIELD PEA YIELDS BY VARIETY 2018–2022†							RISK AREA 3	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022† Acres	
AAC CHROME	—	—	70	34	2,706	48	3,178	
AAC CARVER	—	49	58	30	7,250	50	2,543	
CDC LEWOCHKO	—	—	—	36	1,366	36	1,868	
CDC MEADOW	43	45	39	33	1,028	28	1,041	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							43.0	10,287

RISK AREA 4

CANOLA YIELDS BY VARIETY 2018–2022†							RISK AREA 4	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022† Acres	
L233P (LT)	47	44	44	36	74,588	38	46,854	
L340PC (LT)	—	—	—	38	17,611	39	45,231	
L357P (LT)	—	—	—	36	12,063	38	13,277	
INVIGOR L345PC (LT)	—	—	45	36	16,834	38	10,281	
DKLL 82 SC (LT)	—	—	36	35	12,690	35	8,783	
L255PC (LT)	50	45	41	37	12,054	33	6,992	
L356PC (LT)	—	—	—	—	—	37	5,718	
CS4000 LL (LT)	—	—	—	36	1,347	44	4,494	
DKTFL 21 SC (RT)(LT)	—	—	—	27	8,049	35	4,213	
P505MSL (LT)	—	—	—	39	1,234	36	4,129	
DKTF 96 SC (RT)	—	—	42	26	4,080	38	4,064	
1028 RR (RT)	—	37	43	26	2,829	32	3,318	
PV 660 LCM (LT)	—	—	—	29	1,835	34	2,415	
L252 (LT)	44	40	43	32	3,927	36	2,207	
L258HPC (LT)	—	37	37	33	2,321	31	2,181	
DKLL 83 SC (LT)	—	—	—	—	—	32	1,965	
PV 680 LC (LT)	—	—	37	31	1,593	36	1,358	
CS2300 (RT)	—	32	29	28	1,400	20	1,296	
P508MCL (ST)	—	—	—	34	2,114	41	1,174	
45CM39 (RT)	—	41	38	31	1,744	34	1,074	
PV 761 TM (RT)	—	—	51	28	2,688	43	875	
L234PC (LT)	—	53	37	31	557	45	866	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							37.0	182,065

WHEAT YIELDS BY VARIETY 2018–2022†							RISK AREA 4	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022† Acres	
AAC BRANDON (RS)	60	61	61	52	118,947	57	115,736	
AAC STARBUCK (RS)	—	—	—	58	12,210	58	23,924	
AAC WHEATLAND (RS)	—	—	72	59	11,760	62	16,346	
AAC ELIE (RS)	61	62	57	43	4,639	49	4,417	
PROSPER (NHR)	69	71	83	64	2,474	73	2,984	
FALLER (NHR)	57	68	74	44	3,102	54	1,952	
AAC REDBERRY (RS)	—	—	59	43	3,089	55	1,879	

† 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, 2023;
 * Assuming 48 lbs./bu.



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WHEAT YIELDS BY VARIETY 2018–2022†							RISK AREA 4	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022‡ Acres	
CS ACCELERATE (PS)	—	—	—	—	—	73	1,140	
CARDALE (RS)	51	48	52	37	1,549	45	1,069	
BOLLES (RS)	—	—	66	36	3,651	42	629	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							57.5	174,943

SOYBEAN YIELDS BY VARIETY 2018–2022†							RISK AREA 4	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022‡ Acres	
S007-Y4 (RT)	34	38	41	36	13,915	43	6,085	
S003-Z4X (RR2X)	—	—	38	35	7,328	44	5,291	
TH 89004 R2X (RR2X)	—	—	34	39	4,871	39	3,626	
S001-D8X (RR2X)	—	—	—	35	1,223	43	3,190	
P001A48X (RR2X)	—	—	43	36	2,565	45	2,734	
DKB003-29 (RR2X)	—	32	35	36	1,405	42	2,142	
AKRAS R2 (RT)	35	33	45	35	1,847	48	2,092	
P005A27X (RR2X)	34	35	49	36	1,216	45	1,985	
P003A97X (RR2X)	—	—	—	32	630	58	1,577	
P005A83X (RR2X)	—	—	42	31	2,613	44	1,522	
MAHONY R2 (RT)	31	38	39	31	4,236	39	1,482	
PV 22S002 R2X (RR2X)	—	—	—	—	—	39	1,409	
TH 87003 R2X (RR2X)	32	37	35	34	2,415	37	1,213	
BOURKE R2X (RR2X)	—	—	37	29	2,550	41	1,212	
DKB002-32 (RR2X)	—	—	—	41	945	44	1,117	
YOUNG R2X (RR2X)	—	—	—	—	—	43	965	
B003-29 (RT)	—	28	33	36	1,655	43	775	
P006A37X (RR2X)	—	—	—	—	—	41	740	
S0009-M2 (RT)	33	32	38	30	1,311	45	615	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							43.2	46,766

OATS YIELDS BY VARIETY 2018–2022†							RISK AREA 4	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022‡ Acres	
SUMMIT	78	77	92	59	3,349	107	6,307	
CS CAMDEN	91	87	99	76	6,292	89	5,682	
ORE3542M	—	—	94	69	1,043	76	2,038	
CDC ENDURE	—	—	—	—	—	87	1,689	
CDC ARBORG	—	—	—	70	670	109	1,517	
AAC DOUGLAS	—	—	—	—	—	106	655	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							94.5	21,190

BARLEY* YIELDS BY VARIETY 2018–2022†							RISK AREA 4	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022‡ Acres	
CDC AUSTENSON	68	85	92	62	10,318	74	10,850	
CONLON	78	96	83	72	2,554	83	3,146	
CDC COPELAND	82	80	73	57	4,307	66	2,701	
AAC CONNECT	—	66	79	58	1,904	74	1,442	
NEWDAL	73	69	84	66	1,190	80	1,155	
CELEBRATION	65	70	51	—	—	52	1,119	
AAC SYNERGY	—	—	—	—	—	85	851	
ALTORADO	—	—	—	94	773	72	815	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							73.2	24,573

CORN YIELDS BY VARIETY 2018–2022†							RISK AREA 4	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022‡ Acres	
P7211AM (LT)(RT)(HX1)(YG)	—	132	129	118	8,375	138	8,737	
P7211HR	121	110	127	91	1,598	132	3,171	
P7417AM (LT)(RT)(HX1)(YG)	—	—	—	—	—	143	1,934	
P7417R (RT)	—	—	—	140	1,431	127	1,892	
P7958AM (LT)(RT)(HX1)	147	152	—	—	—	126	1,375	
P7527AM (LT)(RT)	126	132	127	138	1,398	118	825	
DKC21-36RIB (RT)(RIB)	—	—	—	—	—	144	516	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							134.0	21,866

FIELD PEA YIELDS BY VARIETY 2018–2022†							RISK AREA 4	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022‡ Acres	
AAC CARVER	32	53	47	37	3,474	55	4,407	
CDC LEWOCHKO	—	—	—	35	808	51	3,151	
CDC AMARILLO	30	48	46	34	2,303	37	1,435	
AAC CHROME	—	—	57	—	—	47	1,429	
4010	24	—	—	16	731	28	820	
AAC PROFIT	—	—	—	—	—	38	655	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							48.4	12,639

DRY BEAN YIELDS BY VARIETY 2018–2022†							RISK AREA 4	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022‡ Acres	
VIBRANT (PINTO)	—	2,610	2,549	1,653	2,510	2,533	4,092	
ECLIPSE (BLACK)	1,715	2,220	2,150	1,625	995	1,942	1,990	
BERYL (OTHER)	1,792	—	—	—	—	1,645	1,026	
WINDBREAKER (PINTO)	—	—	—	1,120	1,832	2,919	1,025	
T9905 (WHITE PEA)	1,737	1,898	1,759	1,274	3,699	2,714	720	
CHIANTI (CRANBERRY)	1,828	1,239	2,418	1,217	1,323	2,628	656	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							2310.2	12,693

SUNFLOWER YIELDS BY VARIETY 2018–2022†							RISK AREA 4	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022‡ Acres	
P63HE60 (ET) (0)	—	—	2,465	1,812	788	2,070	2,759	
N4HM354 (ST) (0)	—	—	—	—	—	1,911	711	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							2076.8	4,491

FLAX YIELDS BY VARIETY 2018–2022†							RISK AREA 4	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022‡ Acres	
CDC BETHUNE	29	19	30	19	1,620	35	1,001	
CDC ROWLAND	—	—	—	—	—	35	719	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							32.4	2,601

RISK AREA 5

CANOLA YIELDS BY VARIETY 2018–2022†							RISK AREA 5	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022‡ Acres	
L340PC (LT)	—	—	—	37	46,642	42	112,072	
L233P (LT)	50	46	45	31	48,697	38	37,236	
L356PC (LT)	—	—	—	—	—	46	19,271	
L255PC (LT)	52	49	46	35	45,235	42	18,145	
DKLL 82 SC (LT)	—	—	44	29	15,715	38	15,432	
INVIGOR L345PC (LT)	—	—	49	35	30,314	44	10,894	
L343PC (LT)	—	—	—	—	—	45	9,890	
DKTFLL 21 SC (RT)(LT)	—	—	41	25	10,178	35	7,424	
P505MSL (LT)	—	—	—	33	4,113	37	7,211	
1028 RR (RT)	—	41	42	29	15,211	36	6,400	
L357P (LT)	—	—	—	32	4,182	36	4,275	
DKTF 99 SC (RT)	—	—	—	23	1,965	34	3,889	
INVIGOR LR344PC (LT)(RT)	—	—	48	26	7,358	36	3,830	
B1030N (RT)	—	—	—	27	2,321	38	2,572	
B2030MN (CT)	—	—	—	26	2,769	38	2,153	
DKTF 97 CRSC (RT)	—	—	—	35	624	35	2,116	
L234PC (LT)	—	48	44	31	8,938	37	2,094	
PV 660 LCM (LT)	—	—	37	25	2,299	35	1,977	
P506ML (LT)	—	—	—	34	8,912	41	1,698	
DKTF 96 SC (RT)	—	—	39	24	7,643	35	1,675	
CS4000 LL (LT)	—	—	—	30	1,325	31	1,612	
DKTFLL 22 CRSC (RT)(LT)	—	—	—	—	—	39	1,510	
DKLL 84 CRSC (LT)	—	—	—	—	—	41	1,448	
L258HPC (LT)	—	—	45	31	2,424	36	1,392	
DKLL 83 SC (LT)	—	—	—	—	—	32	1,309	
CS3000 TF (RT)	—	—	—	—	—	37	1,180	
PV 680 LC (LT)	—	42	43	27	1,030	44	1,133	
2028 CL (ST)	—	35	43	28	6,215	38	1,027	
P508MCL (ST)	—	—	—	—	—	28	956	
45H42 (RT)	—	—	—	33	1,463	36	819	
45CM39 (RT)	—	41	37	17	1,433	26	660	
44H44 (RT)	—	—	—	—	—	16	626	
BY 6207 TF (RT)	—	—	—	—	—	29	600	
B3010M (LT)	—	—	47	32	6,622	47	574	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							40.4	293,027

WHEAT YIELDS BY VARIETY 2018–2022†							RISK AREA 5	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022‡ Acres	
AAC BRANDON (RS)	70	65	67	55	181,231	66	159,525	
AAC STARBUCK (RS)	—	—	77	60	29,289	68	64,468	
AAC WHEATLAND (RS)	—	—	—	54	5,622	65	10,944	
FALLER (NHR)	86	77	73	56	8,647	77	5,682	
AAC ELIE (RS)	65	64	66	49	5,894	54	3,639	
CS ACCELERATE (PS)	—	—	44	53	2,013	61	3,501	
AAC LEROY VB (RS)	—	—	—	56	1,781	65	3,203	
AAC PENHOLD (PS)	79	86	67	58	2,865	72	3,196	

† 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, 2023;
* Assuming 48 lbs./bu.

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WHEAT YIELDS BY VARIETY 2018–2022†							RISK AREA 5	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022‡ Acres	
SY CAST (RS)	—	—	—	57	771	62	2,800	
PROSPER (NHR)	71	72	72	48	855	73	2,420	
CARDALE (RS)	59	61	55	54	3,661	55	1,913	
AAC TISDALE (RS)	74	62	62	49	3,417	61	1,900	
SY TORACH (RS)	—	—	74	59	2,894	67	1,741	
BOLLES (RS)	—	55	—	48	1,662	67	1,123	
AAC GATEWAY (W)	81	—	—	—	—	73	1,079	
CDC LANDMARK (RS)	87	79	—	—	—	63	1,020	
AAC REDBERRY (RS)	68	59	58	49	2,404	53	992	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§						66.3	273,448	

SOYBEAN YIELDS BY VARIETY 2018–2022†							RISK AREA 5	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022‡ Acres	
S001-D8X (RR2X)	—	—	—	32	15,550	47	12,732	
S007-Y4 (RT)	37	39	42	31	23,744	51	12,082	
P001A48X (RR2X)	—	—	44	33	4,018	49	7,514	
P006A37X (RR2X)	—	41	42	34	9,688	48	6,286	
B0012RX (RR2X)	—	—	—	—	—	51	4,236	
S003-R5X (RR2X)	—	—	—	—	—	49	3,207	
P003A97X (RR2X)	—	—	—	33	4,087	49	2,866	
PV 22S002 R2X (RR2X)	—	—	—	—	—	48	2,121	
SI 001XTN (RR2X)	—	—	—	30	915	45	2,101	
NSC HOLLAND RR2X (RR2X)	—	—	—	—	—	49	1,955	
AKRAS R2 (RT)	35	33	42	38	953	54	1,804	
B0041RX (RR2X)	—	—	—	—	—	52	1,723	
P005A27X (RR2X)	33	40	42	28	3,067	45	1,479	
DKB002-32 (RR2X)	—	—	—	29	1,086	50	1,218	
PS 0027 RR (RT)	31	35	39	—	—	52	1,186	
PV 16S004 R2X (RR2X)	—	—	39	—	—	53	1,053	
MAHONY R2 (RT)	33	38	42	20	1,371	46	1,000	
LISKA	—	—	—	—	—	46	956	
TH 87003 R2X (RR2X)	29	39	42	33	1,694	56	709	
NSC REDVERS RR2X (RR2X)	—	38	39	30	1,869	52	638	
NSC WATSON RR2Y (RT)	32	35	40	32	881	45	617	
S003-Z4X (RR2X)	—	—	47	30	2,119	44	540	
S005-C9X (RR2X)	—	—	—	27	1,617	49	525	
TH 89004 R2X (RR2X)	—	—	—	30	820	45	519	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§						48.8	81,506	

OATS YIELDS BY VARIETY 2018–2022†							RISK AREA 5	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022‡ Acres	
SUMMIT	128	130	137	90	27,860	137	29,613	
CS CAMDEN	111	118	122	79	14,588	121	16,379	
CDC ENDURE	—	—	—	109	783	139	3,995	
ORE3542M	—	129	127	80	4,145	128	3,688	
CDC ARBORG	—	—	109	87	4,435	122	3,512	
DOUGLAS	—	—	—	—	—	115	1,525	
ORE3541M	—	120	136	110	994	141	1,149	
AAC DOUGLAS	—	—	—	—	—	145	1,096	
SOURIS	132	117	117	79	1,458	140	785	
AC MORGAN	130	—	—	42	850	147	540	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§						131.3	64,410	

BARLEY* YIELDS BY VARIETY 2018–2022†							RISK AREA 5	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022‡ Acres	
CONLON	79	91	88	64	12,042	83	15,502	
AAC CONNECT	—	104	90	66	8,262	78	9,099	
CDC AUSTENSON	80	99	103	65	4,825	88	5,610	
AAC SYNERGY	81	95	79	61	1,973	80	3,855	
CDC FRASER	—	104	84	54	4,086	71	3,302	
CANMORE	—	—	74	45	1,686	84	1,841	
CDC BOW	—	—	—	39	1,098	74	790	
CLAYMORE	—	—	—	—	—	71	530	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§						80.7	42,489	

CORN YIELDS BY VARIETY 2018–2022†							RISK AREA 5	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022‡ Acres	
P7211AM (LT)(RT)(HX1)(YG)	—	147	132	110	6,594	156	7,096	
P7211HR	139	135	130	104	2,649	149	3,768	
P7527AM (LT)(RT)	137	159	143	129	4,373	164	3,189	
DKC21-36RIB (RT)(RIB)	—	—	—	—	—	150	2,442	

CORN YIELDS BY VARIETY 2018–2022†							RISK AREA 5	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022‡ Acres	
DKC24-06RIB (RT)	—	—	—	114	2,520	162	1,053	
P7455R (RT)	—	140	—	97	1,945	159	694	
P7958AM (LT)(RT)(HX1)	124	149	—	98	739	149	682	
PV 61276 RIB (RT)(RIB)	—	—	—	—	—	160	650	
A3993G2 RIB (RT)(RIB)	—	—	—	102	649	142	548	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§						153.8	23,749	

FIELD PEA YIELDS BY VARIETY 2018–2022†							RISK AREA 5	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022‡ Acres	
AAC CARVER	49	67	68	35	8,548	63	7,497	
AAC CHROME	—	—	75	42	4,185	78	6,730	
CDC LEWOCHKO	—	—	—	40	1,676	63	4,419	
AAC PROFIT	—	—	—	—	—	65	1,728	
CDC AMARILLO	—	63	62	40	3,023	40	1,095	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§						66.4	22,776	

DRY BEAN YIELDS BY VARIETY 2018–2022†							RISK AREA 5	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022‡ Acres	
VIBRANT (PINTO)	2,339	1,349	2,293	1,784	8,002	2,549	6,864	
T9905 (WHITE PEA)	1,929	1,537	2,344	1,276	7,798	2,474	4,308	
INDI (WHITE PEA)	1,874	1,116	2,022	1,534	884	2,141	1,602	
ECLIPSE (BLACK)	1,847	1,698	1,929	1,343	2,148	2,579	1,164	
BL BLACK TAILS (BLACK)	—	—	—	—	—	2,813	694	
CDC BLACKSTRAP (BLACK)	—	—	—	1,631	675	2,258	673	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§						2447.3	18,235	

SUNFLOWER YIELDS BY VARIETY 2018–2022†							RISK AREA 5	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022‡ Acres	
P63HE60 (ET) (O)	—	—	2,048	—	—	2,013	1,613	
N4HM354 (ST) (O)	—	1,982	2,282	2,119	983	2,258	1,526	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§						1957.8	5,414	

FLAX YIELDS BY VARIETY 2018–2022†							RISK AREA 5	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022‡ Acres	
CDC GLAS	35	11	37	20	8,405	44	6,639	
CDC ROWLAND	—	—	—	—	—	39	2,595	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES§						39.8	12,282	

RISK AREA 6

CANOLA YIELDS BY VARIETY 2018–2022†							RISK AREA 6	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022‡ Acres	
L340PC (LT)	—	—	—	43	21,969	45	82,781	
L233P (LT)	50	47	42	40	87,582	42	50,837	
L357P (LT)	—	—	—	45	17,255	45	28,805	
L356PC (LT)	—	—	—	—	—	45	18,939	
1028 RR (RT)	—	45	42	36	19,779	40	14,187	
INVIGOR L345PC (LT)	—	—	46	40	26,859	44	12,375	
DKTF 96 SC (RT)	—	—	37	36	10,499	37	10,515	
L255PC (LT)	55	46	43	40	21,685	41	8,440	
L258HPC (LT)	—	48	41	42	6,073	43	7,568	
P505MSL (LT)	—	—	—	37	2,691	40	7,383	
P508MCL (ST)	—	—	—	37	8,776	34	6,778	
DKLL 82 SC (LT)	—	—	44	37	8,898	40	6,047	
DKTF 99 SC (RT)	—	—	—	37	953	36	5,893	
45CM39 (RT)	—	38	36	35	11,317	39	4,778	
L343PC (LT)	—	—	—	—	—	45	4,526	
BY 6204 TF (RT)	—	—	32	33	1,922	36	3,560	
CS4000 LL (LT)	—	—	—	—	—	42	3,024	
PV 200 CL (ST)	48	41	38	36	7,865	35	2,619	
44H44 (RT)	—	—	—	—	—	35	2,355	
PV 680 LC (LT)	—	44	43	37	1,316	41	2,156	
INVIGOR LR344PC (LT)(RT)	—	—	—	37	1,281	44	2,115	
P607CL (ST)	—	—	—	33	1,771	31	1,996	
L252 (LT)	50	43	38	35	6,217	38	1,726	
B2030MN (CT)	—	—	—	35	3,166	40	1,657	
DKTFL 21 SC (RT)(LT)	—	—	—	—	—	41	1,634	
PV 760 TM (RT)	—	—	—	33	1,322	36	1,496	
CS2300 (RT)	52	40	32	36	2,961	34	1,456	
L234PC (LT)	—	50	44	42	3,582	37	1,420	

† 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, 2023;
* Assuming 48 lbs./bu.

CANOLA YIELDS BY VARIETY 2018–2022†							RISK AREA 6	
Variety‡	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022‡ Yield	2022‡ Acres	
D3158CM (RT)	—	—	—	40	1,284	45	1,384	
CS3000 TF (RT)	—	—	—	—	—	33	1,339	
B1030N (RT)	—	—	—	33	1,419	38	1,326	
P506ML (LT)	—	—	—	38	12,322	40	1,291	
PV 280 CLC	—	—	—	—	—	30	1,178	
B3010M (LT)	—	—	40	38	3,746	42	1,137	
45M35 (RT)	51	41	38	—	—	36	1,073	
6090RR (RT)	—	43	33	30	2,136	38	1,052	
DKTF 95 HL (RT)	—	—	—	—	—	37	1,023	
PV 660 LCM (LT)	—	—	—	40	2,476	39	959	
CP21T3P (RT)	—	—	—	—	—	38	926	
BY 6211 TF (RT)	—	—	—	—	—	28	918	
DKLL 83 SC (LT)	—	—	—	—	—	38	910	
DKTF 97 CRSC (RT)	—	—	—	—	—	35	872	
P509L (LT)	—	—	—	—	—	38	835	
PV 780 TC (RT)	—	—	—	—	—	29	637	
V25-5T (RT)	—	—	—	—	—	34	623	
P501L (LT)	—	41	39	40	2,271	48	527	
45H42 (RT)	—	—	—	33	5,292	39	508	
V25-3T (RT)	—	—	—	—	—	41	504	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							41.7	327,375

WHEAT YIELDS BY VARIETY 2018–2022†							RISK AREA 6	
Variety‡	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022‡ Yield	2022‡ Acres	
AAC BRANDON (RS)	65	60	62	58	96,201	58	80,259	
AAC STARBUCK (RS)	—	—	66	62	32,869	65	62,872	
AAC WHEATLAND (RS)	—	—	67	64	31,197	63	40,451	
AAC REDBERRY (RS)	60	57	58	52	31,839	54	22,201	
BOLLES (RS)	—	68	62	56	18,901	60	13,837	
FALLER (NHR)	74	70	67	64	7,136	71	7,547	
AAC LEROY VB (RS)	—	—	—	61	4,748	54	5,905	
AAC VIEWFIELD EXP (RS)	68	66	56	58	6,124	54	3,751	
CDC LANDMARK (RS)	75	66	63	55	6,439	64	2,894	
PROSPER (NHR)	84	64	—	—	—	66	1,353	

WHEAT YIELDS BY VARIETY 2018–2022†							RISK AREA 6	
Variety‡	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022‡ Yield	2022‡ Acres	
AAC ELIE (RS)	68	66	60	53	3,303	64	1,299	
SY TORACH (RS)	—	—	—	62	1,922	57	1,248	
AAC HOCKLEY (RS)	—	—	—	—	—	68	1,161	
AAC WILDFIRE (W)	—	—	—	—	—	76	1,010	
AAC REDSTAR (RS)	—	—	—	—	—	54	961	
SY CAST (RS)	—	—	—	—	—	50	875	
AAC HODGE (RS)	—	—	—	—	—	64	797	
SY GABBRO (RS)	—	—	57	—	—	60	555	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							60.5	253,672

SOYBEAN YIELDS BY VARIETY 2018–2022†							RISK AREA 6	
Variety‡	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022‡ Yield	2022‡ Acres	
S001-D8X (RR2X)	—	—	—	35	4,369	42	4,396	
S007-Y4 (RT)	33	38	39	41	4,521	49	3,072	
P001A48X (RR2X)	—	—	35	34	2,112	44	2,160	
DKB002-32 (RR2X)	—	—	38	38	1,437	42	2,058	
S0009-M2 (RT)	33	31	39	33	5,948	38	1,228	
S003-Z4X (RR2X)	—	—	37	37	2,397	44	1,136	
P003A97X (RR2X)	—	—	—	36	1,389	40	1,010	
DKB0008-87 RR2X (RR2X)	—	—	—	—	—	42	916	
NSC DAUPHIN RR2X (RR2X)	—	—	—	—	—	40	779	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							42.4	26,041

OATS YIELDS BY VARIETY 2018–2022†							RISK AREA 6	
Variety‡	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022‡ Yield	2022‡ Acres	
CS CAMDEN	120	109	115	96	13,421	116	11,550	
SUMMIT	113	88	110	80	6,758	103	5,001	
CDC ENDURE	—	—	—	—	—	115	2,499	
CDC ARBORG	—	—	113	78	1,799	120	1,717	
ORE3542M	—	—	—	126	572	122	1,159	
CDC HAYMAKER	—	89	97	49	1,723	50	604	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							112.3	25,471

† 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, 2023;
* Assuming 48 lbs./bu.



High Value Faller & Prosper wheat

FALLER

Friesen Seeds	(204) 746-8325	Smith Family Seeds	(204) 825-7810
Hulme Agra Products	(204) 871-4666	Triple S Seeds	(204) 638-2004
J.S.Henry and Son	(204) 566-2422	Murray Farms	(204) 764-2733
Janzen Seeds	(204) 362-1789	PROSPER	
Miller Agritec	(204) 267-2363	LD Seeds	(204) 204-0048
MGM Seeds	(204) 362-8986	Nickel Bros	(204) 773-6734
Pitura Seeds	(204) 736-2849	Red River Seeds	(204) 746-3059
Red River Seeds	(204) 746-3059	Rutherford Farms	(204) 467-5613
		Smith Family Seeds	(204) 825-7810

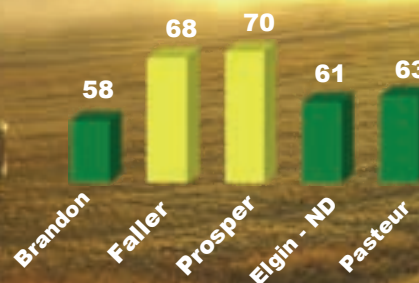
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2016 Seed MB Data

- ✓ **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**

Yield MB 2016



Working Hard ...
to Earn Your Trust!

BARLEY* YIELDS BY VARIETY 2018–2022†							RISK AREA 6	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022† Acres	
CDC AUSTENSON	83	82	86	81	29,641	78	28,106	
CDC COPELAND	83	80	75	72	4,744	62	7,134	
AAC SYNERGY	99	105	94	91	3,224	73	4,283	
AAC CONNECT	79	82	84	80	3,921	73	3,625	
CONLON	92	86	80	70	6,202	70	3,266	
AC METCALFE	82	84	73	75	3,209	70	3,122	
NEWDALÉ	77	81	74	70	1,945	59	2,641	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							73.3	54,112

FIELD PEA YIELDS BY VARIETY 2018–2022†							RISK AREA 6	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022† Acres	
AAC CHROME	—	—	51	42	5,670	55	7,181	
CDC LEWOCHKO	—	—	—	48	1,920	51	6,973	
AAC CARVER	—	57	46	48	6,371	59	4,824	
CDC AMARILLO	51	50	48	35	2,270	36	1,236	
AAC PROFIT	—	—	—	49	1,952	47	1,190	
CDC MEADOW	53	54	45	51	1,703	49	1,152	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							52.4	23,728

SUNFLOWER YIELDS BY VARIETY 2018–2022†							RISK AREA 6	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022† Acres	
P63HE60 (ET) (O)	—	—	—	—	—	2,251	2,626	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							2255.3	2,652

FLAX YIELDS BY VARIETY 2018–2022†							RISK AREA 6	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022† Acres	
CDC GLAS	24	—	—	—	—	34	1,453	
CDC ROWLAND	—	—	—	—	—	38	976	
AAC BRAVO	—	22	28	20	1,836	36	575	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							34.7	3,531

RISK AREA 7

CANOLA YIELDS BY VARIETY 2018–2022†							RISK AREA 7	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022† Acres	
L340PC (LT)	—	—	—	42	24,362	47	55,897	
L233P (LT)	51	51	48	42	53,478	45	24,947	
L357P (LT)	—	—	—	42	12,424	43	20,529	
1028 RR (RT)	—	39	43	38	15,986	43	8,508	
L356PC (LT)	—	—	—	—	—	48	6,696	
DKTF 96 SC (RT)	—	—	43	31	11,275	40	6,639	
INVIGOR L345PC (LT)	—	—	51	41	8,528	43	6,261	
L343PC (LT)	—	—	—	—	—	47	6,254	
L255PC (LT)	54	54	47	42	8,430	46	4,979	
P508MCL (ST)	—	—	—	35	3,370	39	2,887	
INVIGOR LR344PC (LT)(RT)	—	—	—	—	—	47	2,477	
BY 6204 TF (RT)	—	—	—	—	—	35	2,202	
P505MSL (LT)	—	—	—	43	1,612	43	2,184	
D3158CM (RT)	—	—	—	—	—	40	2,116	
B3010M (LT)	—	—	37	38	2,473	39	2,112	
DKTF 99 SC (RT)	—	—	—	—	—	39	1,975	
B1030N (RT)	—	—	—	—	—	49	1,892	
45CM39 (RT)	—	48	43	34	3,705	40	1,864	
L234PC (LT)	—	52	45	39	4,354	50	1,784	
L258HPC (LT)	—	—	46	41	1,385	45	1,772	
DKLL 83 SC (LT)	—	—	—	—	—	49	1,591	
45H42 (RT)	—	—	—	29	1,715	44	1,423	
P506ML (LT)	—	—	—	36	3,722	42	1,131	
P501L (LT)	—	51	46	41	2,281	43	974	
BY 6211 TF (RT)	—	—	—	—	—	41	920	
DKLL 82 SC (LT)	—	—	43	38	4,582	40	885	
CS2300 (RT)	51	50	44	—	—	39	868	
44H44 (RT)	—	—	—	—	—	34	808	
PV 760 TM (RT)	—	—	—	35	851	44	522	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							44.4	182,416

WHEAT YIELDS BY VARIETY 2018–2022†							RISK AREA 7	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022† Acres	
AAC WHEATLAND (RS)	—	—	73	62	18,038	65	41,430	
AAC STARBUCK (RS)	—	—	79	61	19,196	63	33,492	
AAC BRANDON (RS)	68	62	63	59	28,199	56	17,439	

WHEAT YIELDS BY VARIETY 2018–2022†							RISK AREA 7	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022† Acres	
AAC REDBERRY (RS)	64	63	61	58	18,642	56	14,105	
BOLLES (RS)	—	68	65	59	28,836	61	9,958	
CDC LANDMARK (RS)	73	66	65	62	9,537	68	6,258	
AAC VIEWFIELD EXP (RS)	73	67	56	71	4,234	63	4,228	
AAC LEROY VB (RS)	—	—	—	60	2,918	63	4,148	
AAC HOCKLEY (RS)	—	—	—	—	—	76	2,109	
SY GABBRO (RS)	—	—	62	52	2,748	55	1,674	
FALLER (NHR)	93	70	—	64	1,537	71	717	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							62.3	141,906

OATS YIELDS BY VARIETY 2018–2022†							RISK AREA 7	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022† Acres	
CS CAMDEN	120	117	114	78	7,646	120	4,172	
CDC ARBORG	—	—	124	72	1,292	118	3,400	
SUMMIT	98	99	100	60	2,044	118	2,773	
ORE3542M	—	—	—	—	—	129	885	
CDC ENDURE	—	—	—	—	—	126	725	
CDC SO-I	—	—	102	65	900	104	592	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							119.3	13,763

BARLEY* YIELDS BY VARIETY 2018–2022†							RISK AREA 7	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022† Acres	
CDC AUSTENSON	87	88	92	71	9,126	80	8,207	
AAC CONNECT	84	97	98	76	5,674	82	6,651	
AAC SYNERGY	93	91	94	82	2,766	89	4,470	
CDC FRASER	—	89	85	71	1,831	82	1,103	
CDC COPELAND	93	85	91	—	—	63	1,004	
CDC MAVERICK	—	—	—	59	523	51	562	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							80.3	25,154

FIELD PEA YIELDS BY VARIETY 2018–2022†							RISK AREA 7	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022† Acres	
AAC CARVER	—	60	69	47	5,180	48	4,710	
CDC LEWOCHKO	—	—	—	57	804	53	2,335	
AAC CHROME	—	—	70	51	2,568	60	2,095	
AAC LACOMBE	56	58	58	54	1,046	65	979	
CDC SPECTRUM	—	—	—	—	—	39	655	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							49.9	14,243

FLAX YIELDS BY VARIETY 2018–2022†							RISK AREA 7	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022† Acres	
CDC GLAS	—	—	—	—	—	31	1,082	
CDC ROWLAND	—	—	—	—	—	45	858	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							37.1	2,366

RISK AREA 8

CANOLA YIELDS BY VARIETY 2018–2022†							RISK AREA 8	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022† Acres	
L255PC (LT)	58	54	47	39	95,444	47	61,560	
L340PC (LT)	—	—	—	40	35,380	48	52,568	
L356PC (LT)	—	—	—	—	—	50	29,907	
L234PC (LT)	—	54	46	35	13,057	41	9,406	
L233P (LT)	48	50	42	35	13,691	46	5,800	
DKTF 99 SC (RT)	—	—	—	34	2,339	46	5,783	
DKTF 97 CRSC (RT)	—	—	—	32	5,471	38	5,645	
P505MSL (LT)	—	—	—	38	5,029	48	5,298	
INVIGOR L345PC (LT)	—	—	50	32	8,525	44	4,961	
L343PC (LT)	—	—	—	—	—	48	3,573	
L258HPC (LT)	—	—	—	43	2,080	50	3,298	
P607CL (ST)	—	—	—	45	1,399	34	2,936	
P506ML (LT)	—	—	—	40	4,342	45	2,901	
P508MCL (ST)	—	—	—	38	5,867	41	2,821	
45CM39 (RT)	—	47	37	34	2,179	36	2,475	
DKTF 96 SC (RT)	—	—	37	29	5,727	39	1,845	
6090RR (RT)	—	49	40	33	4,406	42	1,449	
BY 6204 TF (RT)	—	—	—	37	2,492	33	1,345	
1028 RR (RT)	—	—	36	32	2,784	37	1,249	
INVIGOR LR344PC (LT)(RT)	—	—	—	41	3,179	40	963	
6074 RR (RT)	45	44	25	19	594	38	820	
DKLL 84 CRSC (LT)	—	—	—	—	—	43	684	

† 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, 2023;
 * Assuming 48 lbs./bu.

Bolles



CWRS Wheat

- ✓ High Protein & Yield
- ✓ Good Disease Package - MR for All Rusts
- ✓ 1 to 2 Days Later Maturing than Carberry
- ✓ Semi Dwarf - Good Lodging
- ✓ FHB Resistance - Solid I Rating
- ✓ Some Salinity Tolerance *

* Based on visual observations only



Bar H Agri Seeds

Killarney

204-523-7464

Nickel Bros

Solsgirth

204-842-3757

Pugh Seeds Ltd.

Portage la Prairie

204-274-2179

Smith Family Seeds

Pilot Mound

204-825-2212

Wheat City Seeds Ltd.

Brandon

204-727-3337

CANOLA YIELDS BY VARIETY 2018–2022†							RISK AREA 8	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022‡ Acres	
44H44 (RT)	—	—	—	38	1,657	27	676	
DKLL 83 SC (LT)	—	—	—	—	—	40	530	
DKLL 82 SC (LT)	—	—	—	39	2,926	51	513	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE\$						46.0	216,050	

WHEAT YIELDS BY VARIETY 2018–2022†							RISK AREA 8	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022‡ Acres	
AAC VIEWFIELD EXP (RS)	84	65	74	59	82,371	77	96,335	
AAC WHEATLAND (RS)	—	—	—	57	10,279	78	21,498	
AAC BRANDON (RS)	74	63	69	60	8,346	71	10,127	
AAC REDBERRY (RS)	—	63	57	43	3,067	56	3,890	
AAC TISDALE (RS)	—	—	60	48	4,429	66	3,882	
CARDALE (RS)	72	65	65	61	6,311	71	2,675	
AAC STARBUCK (RS)	—	—	—	57	775	83	2,234	
SY GABBRO (RS)	—	—	—	56	2,736	67	2,189	
CDC LANDMARK (RS)	75	66	66	51	1,404	75	1,625	
CDC PLENTIFUL (RS)	60	47	54	32	1,313	50	1,237	
AAC HOCKLEY (RS)	—	—	—	—	—	69	1,026	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE\$						75.3	152,613	

SOYBEAN YIELDS BY VARIETY 2018–2022†							RISK AREA 8	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022‡ Acres	
S001-D8X (RR2X)	—	—	—	36	3,374	42	7,594	
NSC WARREN RR (RT)	—	—	—	32	4,410	35	3,547	
S0009-M2 (RT)	43	35	42	36	5,381	41	2,910	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE\$						39.8	14,615	

OATS YIELDS BY VARIETY 2018–2022†							RISK AREA 8	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022‡ Acres	
CDC ARBORG	—	—	—	80	637	127	4,750	
SUMMIT	105	88	89	63	3,638	89	3,032	
CDC HAYMAKER	—	77	101	39	995	87	894	
CDC ENDURE	—	—	—	—	—	110	525	
SOURIS	80	111	73	—	—	94	522	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE\$						107.3	11,461	

BARLEY* YIELDS BY VARIETY 2018–2022†							RISK AREA 8	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022‡ Acres	
CDC AUSTENSON	91	102	100	68	2,234	91	2,376	
AC METCALFE	—	—	79	46	1,236	76	1,208	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE\$						85.2	5,671	

FIELD PEA YIELDS BY VARIETY 2018–2022†							RISK AREA 8	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022‡ Acres	
AAC CHROME	—	—	74	45	7,235	63	5,079	
ABARTH	61	65	61	38	3,702	60	2,829	
CDC INCA	—	—	69	45	7,216	52	2,766	
AAC CARVER	—	—	—	38	1,494	52	1,973	
CDC LEWOCHKO	—	—	—	—	—	51	654	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE\$						57.6	14,573	

DRY BEAN YIELDS BY VARIETY 2018–2022†							RISK AREA 8	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022‡ Acres	
CDC BLACKSTRAP (BLACK)	—	—	—	1,607	1,426	1,742	679	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE\$						1741.7	679	

RISK AREA 9

CANOLA YIELDS BY VARIETY 2018–2022†							RISK AREA 9	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022‡ Acres	
L233P (LT)	47	45	43	30	129,680	39	80,780	
L340PC (LT)	—	—	—	32	21,681	47	45,408	
L258HPC (LT)	—	42	41	31	9,178	38	22,098	
DKLL 82 SC (LT)	—	—	42	27	36,508	34	19,727	
L357P (LT)	—	—	—	33	18,820	39	16,668	
INVIGOR L345PC (LT)	—	—	48	33	17,328	42	13,572	
L356PC (LT)	—	—	—	—	—	42	12,487	
DKTF 99 SC (RT)	—	—	—	29	5,364	43	7,936	

CANOLA YIELDS BY VARIETY 2018–2022†							RISK AREA 9	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022‡ Acres	
DKTF 96 SC (RT)	—	—	44	33	17,828	36	7,196	
DKLL 83 SC (LT)	—	—	—	—	—	35	6,616	
1028 RR (RT)	—	58	39	30	19,121	43	6,124	
L234PC (LT)	—	54	49	33	8,281	48	6,085	
DKTF 97 CRSC (RT)	—	—	—	22	1,815	40	5,113	
L343PC (LT)	—	—	—	—	—	47	5,063	
45CM39 (RT)	—	54	52	34	12,576	46	5,018	
L255PC (LT)	50	49	46	34	5,751	41	4,067	
B1030N (RT)	—	—	—	24	1,291	48	3,798	
L252 (LT)	46	42	40	27	6,575	34	3,663	
P508MCL (ST)	—	—	—	27	5,220	33	3,348	
DKTF 93 SC (RT)	—	—	—	—	—	34	3,226	
DKLL 84 CRSC (LT)	—	—	—	—	—	41	2,523	
P505MSL (LT)	—	—	—	36	3,253	39	2,514	
P506ML (LT)	—	—	—	32	5,670	31	2,495	
CS4000 LL (LT)	—	—	—	28	1,946	35	2,329	
B3012 (LT)	—	—	—	—	—	36	2,250	
BY 5125 CL (CT)	—	—	—	33	1,105	27	2,187	
P501L (LT)	—	49	46	34	6,305	34	1,455	
CS2300 (RT)	—	39	—	27	1,514	34	1,402	
75-65 RR (RT)	47	36	34	20	4,048	39	1,340	
CS2500 CL (ST)	—	40	38	25	5,273	38	1,231	
CS2600 CR-T (RT)	—	—	—	—	—	35	1,169	
P607CL (ST)	—	—	—	30	3,781	43	1,140	
DKTF 98 CR (RT)	—	—	—	32	1,242	39	944	
D3157C (RT)	—	—	—	26	2,322	31	895	
V25-3T (RT)	—	—	—	—	—	43	850	
V25-1T (RT)	—	—	—	—	—	31	786	
PV 660 LCM (LT)	—	—	—	23	1,692	34	721	
PV 761 TM (RT)	—	—	36	21	1,599	37	672	
45H42 (RT)	—	—	—	36	1,368	47	631	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE\$						39.8	321,164	

WHEAT YIELDS BY VARIETY 2018–2022†							RISK AREA 9	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022‡ Acres	
AAC BRANDON (RS)	63	58	65	49	101,884	56	75,284	
AAC VIEWFIELD EXP (RS)	67	68	71	52	35,397	65	33,101	
AAC REDBERRY (RS)	46	56	66	47	36,393	53	28,617	
AAC WHEATLAND (RS)	—	—	—	54	9,062	65	24,645	
AAC STARBUCK (RS)	—	—	—	44	7,455	61	17,044	
BOLLES (RS)	—	66	70	49	12,851	60	10,200	
CARDALE (RS)	59	56	64	45	10,206	55	9,499	
FALLER (NHR)	79	75	77	57	6,119	76	5,700	
CDC STANLEY (RS)	54	53	62	37	3,792	54	3,508	
CS ACCELERATE (PS)	—	—	85	46	2,855	55	3,130	
EMERSON (W)	—	43	—	52	2,036	47	2,448	
AAC TISDALE (RS)	55	44	56	39	7,569	53	2,399	
AAC CAMERON VB (RS)	68	58	62	44	7,328	55	1,894	
AAC LEROY VB (RS)	—	—	—	50	1,256	53	1,769	
CDC PLENTIFUL (RS)	64	59	65	53	2,201	59	1,665	
AC DOMAIN (RS)	60	55	50	—	—	28	1,576	
GLENN (RS)	54	53	50	50	2,507	49	1,436	
AAC ELIE (RS)	56	60	64	40	5,326	59	1,332	
SY GABBRO (RS)	—	—	65	45	3,103	50	1,330	
CDC BUTEO (W)	50	40	55	49	1,065	46	1,295	
CDC LANDMARK (RS)	66	67	63	52	726	59	1,282	
CDC ORTONA (RS)	—	—	—	48	1,848	51	964	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE\$						57.9	240,527	

SOYBEAN YIELDS BY VARIETY 2018–2022†							RISK AREA 9	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022‡ Acres	
S0009-M2 (RT)	35	25	37	32	22,850	39	17,963	
S001-D8X (RR2X)	—	—	—	32	3,810	41	4,870	
S007-Y4 (RT)	35	24	39	36	10,683	45	4,538	
AMIRANI R2	—	—	—	30	2,692	40	3,890	
AKRAS R2 (RT)	35	23	36	34	5,528	42	2,850	
DKB0009-89 (RR2X)	—	30	38	34	5,868	37	2,720	
P001A48X (RR2X)	—	—	37	31	3,258	39	2,404	
NSC DAUPHIN RR2X (RR2X)	—	—	—	—	—	44	2,134	
CP000621WPX (RR2X)	—	—	—	—	—	37	1,541	
CP000521X (RR2X)	—	—	—	—	—	32	1,268	
MAJOR R2X (RR2X)	—	—	—	—	—	39	877	
B0012RX (RR2X)	—	—	—	—	—	38	706	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE\$						39.4	53,355	

† 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, 2023;
* Assuming 48 lbs./bu.

OATS YIELDS BY VARIETY 2018–2022†						RISK AREA 9	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022† Acres
SUMMIT	90	75	113	60	6,220	110	5,767
CDC ARBORG	—	—	125	67	5,459	128	4,746
CS CAMDEN	70	61	94	41	6,023	104	2,831
AC MORGAN	85	101	94	43	2,993	115	1,522
CDC HAYMAKER	63	50	101	24	2,621	51	882
CDC BALER	60	54	85	30	1,405	89	731
ORE3542M	—	—	—	48	725	119	623
ORE3541M	—	—	120	21	769	98	607
DOUGLAS	—	—	—	—	—	88	570
AAC DOUGLAS	—	—	—	—	—	63	527
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						106.9	21,672

FIELD PEA YIELDS BY VARIETY 2018–2022†						RISK AREA 9	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022† Acres
AAC CHROME	—	—	73	35	10,324	50	7,410
ABARTH	67	61	66	36	10,524	49	4,659
AAC CARVER	—	—	52	42	3,402	58	3,356
CDC MEADOW	54	48	57	33	3,663	50	3,048
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						51.8	21,790

FLAX YIELDS BY VARIETY 2018–2022†						RISK AREA 9	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022† Acres
CDC SORREL	29	19	29	18	1,521	30	916
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						21.6	1,453

RISK AREA 10

CANOLA YIELDS BY VARIETY 2018–2022†						RISK AREA 10	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022† Acres
L233P (LT)	45	43	44	29	32,289	34	31,214
L340PC (LT)	—	—	—	29	7,858	31	17,916
INVIGOR L345PC (LT)	—	—	46	28	6,247	34	5,272
L357P (LT)	—	—	—	27	6,296	32	5,101
DKLL 82 SC (LT)	—	—	39	31	2,659	27	3,722
P505MSL (LT)	—	—	—	28	763	34	2,823
L356PC (LT)	—	—	—	—	—	28	2,177
L255PC (LT)	49	43	45	26	3,126	29	1,845
L258HPC (LT)	—	48	36	28	643	31	1,823
2028 CL (ST)	—	—	39	—	—	20	1,230
CS4000 LL (LT)	—	—	—	—	—	28	767
P501L (LT)	—	37	44	27	1,906	35	755
L252 (LT)	43	40	44	31	1,725	13	743
L234PC (LT)	—	37	43	—	—	23	625
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						31.7	81,549

† 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, 2023;
 * Assuming 48 lbs./bu.



NEW

High Yielding

Richer Barley

- ♦ **121 bushels/acre (Seed MB 2022)**
108% of Austenson
- ♦ **VG for Lodging**

Avondale Seed Farm	Reston MB	204-877-3813	Southern Seed	Minto MB	204-776-2333
Court Seeds	Plumas MB	204-386-2354	Timchishen Seeds	Arborg MB	204-641-1288
Hulme Agra Products	MacGregor MB	204-871-4666			

WHEAT YIELDS BY VARIETY 2018–2022†							RISK AREA 10	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022† Acres	
AAC BRANDON (RS)	58	57	60	40	23,940	48	24,565	
AAC STARBUCK (RS)	—	—	—	41	6,690	52	8,289	
BOLLES (RS)	—	—	62	39	4,289	55	3,189	
AAC ELEVATE (W)	38	—	64	37	985	28	1,605	
FALLER (NHR)	65	59	69	52	5,467	26	1,511	
CARDALE (RS)	56	55	57	32	814	46	560	
AAC REDBERRY (RS)	—	—	—	—	—	38	557	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						47.0	46,425	

SOYBEAN YIELDS BY VARIETY 2018–2022†							RISK AREA 10	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022† Acres	
P006A37X (RR2X)	—	28	39	25	6,544	40	4,534	
P003A97X (RR2X)	—	—	37	26	2,739	37	2,768	
S007-Y4 (RT)	35	27	43	29	4,868	44	2,388	
PS 0027 RR (RT)	30	21	40	23	3,969	40	2,083	
DKB005-52 (RT)	34	29	39	29	1,875	38	1,895	
KUDO R2X (RR2X)	—	—	36	23	2,355	27	1,271	
NSC SPERLING RR2Y (RT)	—	—	—	27	1,395	46	1,259	
P005A27X (RR2X)	25	25	37	28	5,755	43	1,199	
SI 001XTN (RR2X)	—	—	—	21	1,292	33	1,082	
B0041RX (RR2X)	—	—	—	—	—	34	1,005	
TH 87003 R2X (RR2X)	34	24	40	24	1,810	37	1,002	
BOURKE R2X (RR2X)	—	—	—	22	1,437	42	985	
TH 89004 R2X (RR2X)	—	—	—	—	—	28	897	
P001A48X (RR2X)	—	—	—	—	—	33	648	
LS 001XT (RR2X)	—	—	—	23	1,071	33	638	
S003-Z4X (RR2X)	—	—	37	24	1,582	27	632	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						37.9	34,819	

OATS YIELDS BY VARIETY 2018–2022†							RISK AREA 10	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022† Acres	
SUMMIT	99	91	115	51	15,005	85	15,074	
CS CAMDEN	104	98	105	63	3,350	92	8,197	
CDC ARBORG	—	—	115	53	4,289	77	7,707	
ORE3542M	—	106	115	71	5,823	96	3,705	
SOURIS	79	67	113	51	1,890	113	1,383	
CDC ENDURE	—	—	—	—	—	87	729	
AAC DOUGLAS	—	—	—	—	—	137	679	
FURLONG	72	93	100	27	773	72	530	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						88.0	39,550	

BARLEY* YIELDS BY VARIETY 2018–2022†							RISK AREA 10	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022† Acres	
CONLON	79	64	73	53	3,143	56	4,013	
CDC AUSTENSON	67	68	87	27	5,811	40	2,473	
CELEBRATION	—	77	65	35	1,665	43	675	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						48.3	8,609	

CORN YIELDS BY VARIETY 2018–2022†							RISK AREA 10	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022† Acres	
P7211AM (LT)(RT)(HX1)(YG)	—	104	128	86	7,249	140	3,517	
P7527AM (LT)(RT)	134	115	128	89	5,397	144	3,396	
P7417AM (LT)(RT)(HX1)(YG)	—	105	119	97	3,287	137	3,136	
P7455R (RT)	—	106	130	92	5,203	147	2,713	
P7211HR	124	120	—	74	2,724	142	2,122	
DKC29-89RIB (LT)(RT)(RIB)	—	136	134	138	1,648	172	2,100	
P7958AM (LT)(RT)(HX1)	134	122	134	113	2,989	157	1,485	
P7844AM (LT)(RT)	—	—	—	—	—	158	1,386	
A4939G2 RIB (RT)(RIB)	138	130	143	125	3,097	157	1,384	
TH6072 VT2P (RT)(RIB)	—	—	—	—	—	131	1,032	
MZ 1688 DBR (LT)(RT)	—	—	116	112	1,382	153	988	
DKC31-85RIB (RT)(RIB)	—	—	—	126	1,748	187	937	
MZ 1544DBR (RT)	—	—	—	—	—	133	923	
P7417R (RT)	—	—	—	106	660	146	852	
TH6278 VT2P (RT)(RIB)	—	—	—	—	—	127	798	
DKC21-36RIB (RT)(RIB)	—	—	—	—	—	141	770	
DKC24-06RIB (RT)	—	—	—	78	2,392	147	770	
P7861R (RT)	—	—	—	69	681	138	630	
TH 6977 VT2P (RT)	—	—	—	125	1,953	160	617	
TH 6875 VT2P (RT)(RIB)	—	—	—	—	—	142	580	
A4646G2 RIB (RT)(RIB)	—	—	—	—	—	140	518	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						144.4	36,423	

FIELD PEA YIELDS BY VARIETY 2018–2022†							RISK AREA 10	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022† Acres	
AAC CHROME	—	—	61	27	1,424	36	947	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						33.5	2,760	

DRY BEAN YIELDS BY VARIETY 2018–2022†							RISK AREA 10	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022† Acres	
T9905 (WHITE PEA)	1,898	957	1,854	1,208	7,479	1,854	3,587	
VIBRANT (PINTO)	1,944	1,030	2,593	1,288	5,664	661	2,425	
WINDBREAKER (PINTO)	2,147	1,120	2,194	1,179	2,591	2,075	514	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						1347.7	7,952	

SUNFLOWER YIELDS BY VARIETY 2018–2022†							RISK AREA 10	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022† Acres	
TALON (ET) (O)	—	—	—	—	—	1,334	2,618	
P63HE60 (ET) (O)	—	—	1,942	1,960	1,215	1,195	2,596	
CP432E (O)	—	—	—	—	—	761	1,855	
P63ME80 (ET) (O)	—	—	—	2,053	2,812	2,024	1,469	
N4HM354 (ST) (O)	1,993	—	2,696	2,277	2,640	1,792	1,256	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						1415.4	11,149	

RISK AREA 11

CANOLA YIELDS BY VARIETY 2018–2022†							RISK AREA 11	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022† Acres	
L233P (LT)	43	36	40	18	63,882	37	43,965	
L340PC (LT)	—	—	—	23	23,073	37	35,047	
DKLL 82 SC (LT)	—	—	40	21	10,937	31	16,637	
INVIGOR L345PC (LT)	—	—	42	20	17,906	39	13,167	
L357P (LT)	—	—	—	19	10,684	35	7,930	
L356PC (LT)	—	—	—	—	—	34	6,920	
L255PC (LT)	42	39	37	18	13,162	32	6,885	
L258HPC (LT)	—	43	43	19	4,329	32	3,941	
DKTF 96 SC (RT)	—	—	30	16	6,689	28	3,202	
1028 RR (RT)	—	27	34	13	3,952	28	2,108	
CS4000 LL (LT)	—	—	—	—	—	29	1,938	
L343PC (LT)	—	—	—	—	—	31	1,934	
P505MSL (LT)	—	—	—	—	—	33	1,706	
DKTF 97 CRSC (RT)	—	—	—	—	—	21	1,664	
P508MCL (ST)	—	—	—	—	—	33	1,428	
DKTFLL 21 SC (RT)(LT)	—	—	29	17	2,416	19	1,222	
B1030N (RT)	—	—	—	—	—	22	1,076	
L234PC (LT)	—	43	42	23	5,092	32	949	
L252 (LT)	41	36	37	15	1,212	33	930	
B3010M (LT)	—	—	—	—	—	35	893	
P501L (LT)	—	38	31	22	1,696	37	860	
B2030MN (CT)	—	—	—	12	5,388	21	855	
DKTF 99 SC (RT)	—	—	—	—	—	29	778	
DKLL 83 SC (LT)	—	—	—	—	—	37	610	
2028 CL (ST)	—	—	32	9	1,344	27	588	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						34.6	162,965	

WHEAT YIELDS BY VARIETY 2018–2022†							RISK AREA 11	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022† Acres	
AAC BRANDON (RS)	65	60	66	44	121,304	59	95,999	
AAC STARBUCK (RS)	—	—	72	41	42,997	63	58,540	
FALLER (NHR)	64	63	73	46	11,776	65	13,284	
BOLLES (RS)	—	49	68	38	8,658	55	8,135	
AAC LEROY VB (RS)	—	—	—	35	3,255	61	6,289	
AAC ELIE (RS)	49	48	63	38	8,050	41	2,832	
AAC REDBERRY (RS)	—	38	51	32	1,160	49	2,189	
CARBERRY (RS)	53	25	55	24	928	60	1,902	
CARDALE (RS)	63	54	65	35	1,753	46	1,900	
AAC WILDFIRE (W)	—	—	—	—	—	63	1,726	
AAC VIEWFIELD EXP (RS)	62	62	63	53	2,949	50	1,586	
AAC ELEVATE (W)	42	—	65	69	1,709	25	1,457	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						60.0	199,343	

† 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, 2023;
* Assuming 48 lbs./bu.



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SOYBEAN YIELDS BY VARIETY 2018–2022†							RISK AREA 11	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022‡ Acres	
S007-Y4 (RT)	33	25	41	24	16,736	41	7,292	
P006A37X (RR2X)	—	30	45	24	6,255	48	5,879	
NSC SPERLING RR2Y (RT)	—	33	43	25	7,735	51	5,033	
TH 87003 R2X (RR2X)	30	23	39	21	10,067	43	4,993	
BOURKE R2X (RR2X)	—	—	42	19	5,027	42	4,828	
DKB005-52 (RT)	27	21	42	20	8,896	49	4,112	
SI 001XTN (RR2X)	—	—	—	22	5,713	41	3,856	
S007-A2XS (RR2X)	—	—	—	25	1,311	47	3,419	
S003-Z4X (RR2X)	—	—	—	17	6,502	40	3,183	
DKB002-32 (RR2X)	—	—	42	22	3,693	42	3,014	
NSC HOLLAND RR2X (RR2X)	—	—	—	—	—	45	1,911	
TORRO R2 (RT)	31	—	34	—	—	35	1,619	
SI 007XTN (RR2X)	—	—	—	29	1,843	54	1,612	
S005-C9X (RR2X)	—	—	—	19	1,418	42	1,608	
P005A27X (RR2X)	36	20	47	20	2,932	42	1,578	
S001-D8X (RR2X)	—	—	—	—	—	36	1,549	
CP005WPRX (RR2X)	—	—	—	26	1,231	44	1,461	
B0041RX (RR2X)	—	—	—	—	—	30	1,452	
P003A97X (RR2X)	—	29	44	—	—	26	1,440	
NSC WINKLER RR2X (RR2X)	—	—	41	28	1,435	60	1,056	
P00A49X (RR2X)	—	32	44	31	1,561	48	1,045	
P001A48X (RR2X)	—	—	40	21	1,311	35	1,008	
AKRAS R2 (RT)	30	21	38	24	2,971	38	954	
NSC DAUPHIN RR2X (RR2X)	—	—	—	—	—	39	898	
SUNNA R2X (RR2X)	—	—	—	12	3,949	50	868	
HART R2X (RR2X)	—	—	—	—	—	51	749	
FRESCO R2X (RR2X)	—	—	—	—	—	32	605	
CP000521X (RR2X)	—	—	—	—	—	45	526	
PV 16S004 R2X (RR2X)	—	—	—	—	—	34	523	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§					42.8		82,580	

OATS YIELDS BY VARIETY 2018–2022†							RISK AREA 11	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022‡ Acres	
CS CAMDEN	115	93	104	46	10,739	127	10,903	
SUMMIT	103	76	108	54	9,080	121	10,227	
CDC ENDURE	—	—	—	72	1,064	123	4,382	
CDC ARBORG	—	—	109	43	3,270	124	2,246	
ORE3542M	—	89	123	76	2,461	119	1,494	
ORE3541M	—	85	109	54	1,914	118	1,077	
DOUGLAS	—	—	—	—	—	150	875	
AAC DOUGLAS	—	—	—	—	—	162	639	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§					124.5		33,670	

BARLEY* YIELDS BY VARIETY 2018–2022†							RISK AREA 11	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022‡ Acres	
CDC AUSTENSON	84	76	85	39	16,407	78	12,318	
CONLON	70	59	83	42	7,090	68	6,841	
CANMORE	88	81	88	45	5,246	58	3,933	
CLAYMORE	—	—	108	48	3,868	70	3,625	
AAC SYNERGY	73	69	92	—	—	63	1,244	
ESMA	—	—	—	—	—	92	915	
CELEBRATION	48	53	74	29	1,941	69	848	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§					70.0		31,582	

CORN YIELDS BY VARIETY 2018–2022†							RISK AREA 11	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022‡ Acres	
P7211AM (LT)(RT)(HX1)(YG)	—	97	116	66	7,314	139	4,593	
P7211HR	105	109	156	80	976	150	3,744	
P7417AM (LT)(RT)(HX1)(YG)	—	—	110	85	1,138	166	1,432	
P7455R (RT)	—	110	147	66	766	133	1,051	
DKC21-36RIB (RT)(RIB)	—	—	—	—	—	149	854	
DKC24-06RIB (RT)	—	—	—	75	783	174	709	
P7527AM (LT)(RT)	91	119	141	66	2,347	131	576	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§					149.9		18,822	

FIELD PEA YIELDS BY VARIETY 2018–2022†							RISK AREA 11	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022‡ Acres	
AAC CARVER	50	52	55	21	4,337	50	4,153	
CDC LEWOCHKO	—	—	—	41	903	48	860	
AAC PROFIT	—	—	—	—	—	45	743	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§					49.7		7,924	

DRY BEAN YIELDS BY VARIETY 2018–2022†							RISK AREA 11	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022‡ Acres	
WINDBREAKER (PINTO)	1,927	926	2,035	1,109	7,872	2,430	7,006	
VIBRANT (PINTO)	—	1,102	2,264	950	7,142	2,383	6,869	
T9905 (WHITE PEA)	1,625	1,135	1,647	763	7,874	1,642	4,311	
ECLIPSE (BLACK)	1,766	1,318	1,828	1,486	1,214	2,604	2,027	
BL BLACK TAILS (BLACK)	—	—	—	—	—	2,840	1,164	
AAC ARGOSY (WHITE PEA)	—	—	—	—	—	1,936	758	
ND PALAMINO (PINTO)	—	—	—	—	—	1,801	560	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§					2303.4		25,220	

SUNFLOWER YIELDS BY VARIETY 2018–2022†							RISK AREA 11	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022‡ Acres	
P63HE60 (ET) (O)	—	—	2,110	—	—	1,186	3,778	
P63ME80 (ET) (O)	—	—	—	992	3,084	1,047	864	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						1316.2	5,364	

RISK AREA 12

CANOLA YIELDS BY VARIETY 2018–2022†							RISK AREA 12	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022‡ Acres	
L233P (LT)	50	48	48	27	208,076	48	184,985	
L340PC (LT)	—	—	—	23	59,126	50	98,687	
INVIGOR L345PC (LT)	—	—	50	26	70,542	46	55,512	
DKLL 82 SC (LT)	—	—	45	27	36,270	46	45,661	
L357P (LT)	—	—	—	26	36,706	46	37,060	
L255PC (LT)	52	48	47	26	37,623	43	21,365	
P508MCL (ST)	—	—	—	18	18,475	43	17,711	
L356PC (LT)	—	—	—	—	—	52	16,111	
L258HPC (LT)	—	47	50	25	7,058	47	13,021	
L343PC (LT)	—	—	—	—	—	48	9,258	
L252 (LT)	49	45	45	25	13,624	49	8,367	
P505MSL (LT)	—	—	—	22	3,896	44	7,909	
BY 5125 CL (CT)	—	—	—	21	1,650	45	5,216	
DKLL 83 SC (LT)	—	—	—	—	—	47	4,224	
PV 200 CL (ST)	51	49	45	20	1,110	37	3,603	
B2030MN (CT)	—	—	—	22	4,885	35	3,258	
P501L (LT)	—	44	46	31	4,221	49	2,295	
1028 RR (RT)	—	—	44	10	3,632	36	2,253	
CS4000 LL (LT)	—	—	—	20	1,533	51	2,124	
2028 CL (ST)	—	—	43	15	5,495	43	1,854	
L234PC (LT)	—	48	42	27	2,321	41	1,503	
DKTF 96 SC (RT)	—	—	34	4	2,140	43	1,385	
P607CL (ST)	—	—	—	—	—	36	1,316	
INVIGOR LR344PC (LT)(RT)	—	—	43	—	—	46	1,109	
46H75 (ST)	46	43	47	25	4,741	39	815	
P509L (LT)	—	—	—	—	—	31	765	
PV 660 LCM (LT)	—	—	—	35	1,339	44	730	
DKTF 97 CRSC (RT)	—	—	—	—	—	43	545	
2153 (LT)	—	—	—	—	—	49	512	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						47.0	561,067	

WHEAT YIELDS BY VARIETY 2018–2022†							RISK AREA 12	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022‡ Acres	
AAC BRANDON (RS)	68	64	69	50	249,869	63	259,098	
AAC STARBUCK (RS)	—	—	77	48	81,907	68	142,882	
FALLER (NHR)	72	67	80	49	36,557	74	43,081	
AAC VIEWFIELD EXP (RS)	64	64	73	46	14,432	66	15,794	
SY ROWYN (PS)	73	67	81	48	14,662	73	11,248	
PROSPER (NHR)	79	59	79	54	10,279	74	8,574	
CS DAYBREAK (RS)	—	—	71	50	4,876	69	8,342	
SY GABBRO (RS)	—	—	72	34	5,295	72	7,180	
AAC ELIE (RS)	68	59	66	44	8,021	62	5,916	
CARDALE (RS)	62	61	69	48	9,515	65	5,848	
AAC WILDFIRE (W)	—	—	—	—	—	59	4,826	
AAC LEROY VB (RS)	—	—	—	38	2,177	64	4,296	
CS ACCELERATE (PS)	—	—	—	64	1,813	61	3,945	
AAC WHEATLAND (RS)	—	—	—	64	2,973	63	3,772	
EMERSON (W)	66	61	71	55	4,438	54	3,673	
BOLLES (RS)	—	66	73	39	3,823	55	2,834	
AAC PENHOLD (PS)	71	63	73	51	1,869	67	2,693	
SHELLY (NHR)	—	—	—	—	—	68	2,350	
SY CAST (RS)	—	—	—	41	1,075	57	2,056	

† 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, 2023;
 * Assuming 48 lbs./bu.



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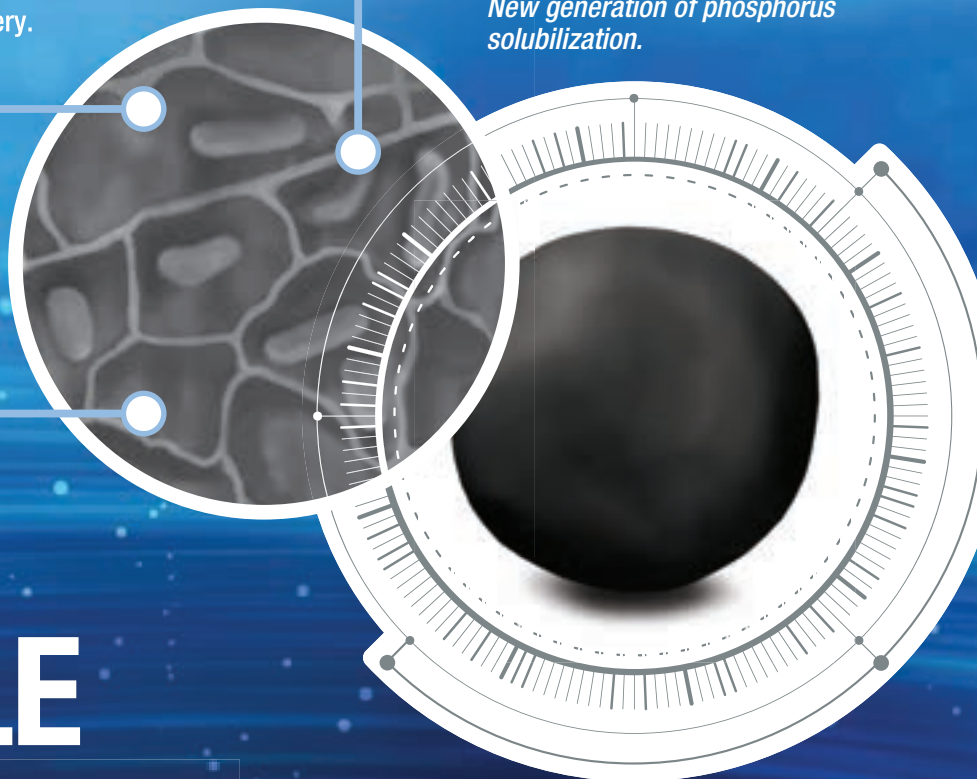
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LALLEMAND PLANT CARE

WHEAT YIELDS BY VARIETY 2018–2022†						RISK AREA 12	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022† Acres
AAC TISDALE (RS)	71	56	70	55	2,959	64	1,933
SHELLY (RS)	—	—	—	45	1,170	75	1,682
AAC HOCKLEY (RS)	—	—	—	—	—	69	1,414
GLENN (RS)	62	51	—	—	—	57	1,182
SY TORACH (RS)	—	—	69	29	1,568	70	888
AAC GOLDRUSH (W)	—	—	—	—	—	59	780
AC DOMAIN (RS)	—	—	—	—	—	72	685
AAC HODGE (RS)	—	—	—	—	—	69	612
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES‡						65.7	551,104

SOYBEAN YIELDS BY VARIETY 2018–2022†						RISK AREA 12	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022† Acres
S007-Y4 (RT)	33	27	41	22	56,963	51	40,090
S007-A2XS (RR2X)	—	—	45	22	26,064	53	23,073
P006A37X (RR2X)	—	25	40	22	30,458	52	22,839
DKB005-52 (RT)	30	27	41	24	34,487	52	18,523
NSC WINKLER RR2X (RR2X)	—	26	40	29	20,058	54	17,283
DKB008-48 (RR2X)	—	—	—	26	2,669	54	12,328
NSC SPERLING RR2Y (RT)	31	24	38	19	28,937	54	11,263
SI 007XTN (RR2X)	—	—	—	28	11,413	51	11,199
P00A49X (RR2X)	—	24	42	33	13,140	56	8,359
25-10RY (RT)	32	26	40	30	15,517	50	7,194
NSC HOLLAND RR2X (RR2X)	—	—	—	24	722	55	6,788
TH 88007 R2X (RR2X)	32	28	42	28	9,093	54	5,597
TH 87003 R2X (RR2X)	33	27	36	17	6,179	48	5,447
SI 001XTN (RR2X)	—	—	—	18	3,865	44	5,212
DKB002-32 (RR2X)	—	—	—	27	7,730	47	4,424
S005-C9X (RR2X)	—	—	39	19	7,787	55	4,409
P005A83X (RR2X)	—	29	38	16	8,237	42	4,358
P001A48X (RR2X)	—	—	—	—	—	50	4,000
TH 81007 R2XN (RR2X)	—	—	—	28	5,083	57	3,912
NSC CARTIER (RR2X)	—	—	38	21	3,740	55	3,894
BOURKE R2X (RR2X)	—	—	43	18	3,787	47	3,503
DKB008-81 (RT)	32	—	—	30	1,569	57	3,480
PS 0027 RR (RT)	28	23	34	22	3,561	36	3,454
DKB006-80 (RR2X)	—	—	—	—	—	58	3,402
CP005WPRX (RR2X)	—	—	—	32	1,861	48	3,221
MANI R2X (RR2X)	—	27	50	—	—	51	2,948
ASTRO R2 (RT)	35	28	37	29	5,214	55	2,786
PV 16S004 R2X (RR2X)	—	21	40	26	2,508	52	2,732
MAO R2X (RR2X)	—	—	—	34	1,747	56	2,721
MAYA	—	—	—	—	—	46	2,643
S003-R5X (RR2X)	—	—	—	—	—	54	2,178
P00A75X (RR2X)	—	—	—	27	1,568	56	2,152
AKRAS R2 (RT)	31	26	36	22	2,732	49	2,146
S003-Z4X (RR2X)	—	—	40	23	1,582	53	2,058
P003A97X (RR2X)	—	26	43	21	1,909	47	1,937
ELMO E3	—	—	40	33	2,024	50	1,877
B0041RX (RR2X)	—	—	—	—	—	59	1,746
S001-D8X (RR2X)	—	—	—	—	—	48	1,550

SOYBEAN YIELDS BY VARIETY 2018–2022†						RISK AREA 12	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022† Acres
LISKA	—	—	—	27	1,774	50	1,531
SUNNA R2X (RR2X)	—	26	40	21	2,092	48	1,528
BARKER R2X (RR2X)	30	24	37	26	2,077	51	1,525
P005A27X (RR2X)	34	27	39	22	4,214	50	1,505
TH82005 R2X (RR2X)	—	—	—	—	—	58	1,502
NSC RICHER RR2Y (RT)	32	28	38	33	4,372	48	1,350
DKB0008-87 RR2X (RR2X)	—	—	—	—	—	59	1,340
NSC REDVERS RR2X (RR2X)	—	22	40	—	—	53	1,241
NSC WATSON RR2Y (RT)	28	24	34	15	768	49	1,229
KUDO R2X (RR2X)	—	—	39	22	825	50	1,205
NSC GLADSTONE RR2Y (RT)	31	25	38	21	2,504	49	1,175
P005A59E	—	—	—	—	—	54	1,170
DKB0005-44 (RR2X)	—	27	42	—	—	51	1,105
B0061E	—	—	—	—	—	50	972
FRESCO R2X (RR2X)	—	—	—	—	—	43	960
NSC COULEE RR (RT)	27	—	42	35	2,160	56	938
RX ACORN (RR2X)	—	20	37	29	2,161	44	901
SI 00321XT (RR2X)	—	—	—	—	—	45	816
B00071RX (RR2X)	—	—	—	—	—	49	787
PV 22S002 R2X (RR2X)	—	—	—	—	—	55	751
NSC DAUPHIN RR2X (RR2X)	—	—	—	—	—	52	732
TH 82005 R2X (RR2X)	—	—	—	—	—	51	719
SI 00221XTN (RR2X)	—	—	—	—	—	46	715
B003-29 (RT)	—	26	37	13	701	45	710
TH 88005 R2X (RR2X)	32	29	43	25	2,149	46	694
HART R2X (RR2X)	—	—	—	—	—	38	681
MERRITT R2X (RR2X)	—	—	—	—	—	57	674
TH82006 R2X (RR2X)	—	—	—	—	—	56	671
DKB003-29 (RR2X)	—	25	35	27	1,274	45	640
P006778R (RT)	27	—	—	—	—	55	635
LS 0078RR (RT)	—	—	—	—	—	49	625
LS 007XT (RR2X)	—	24	39	35	8,646	43	615
S006-K3X (RR2X)	—	—	—	—	—	55	522
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES‡						51.6	320,935

OATS YIELDS BY VARIETY 2018–2022†						RISK AREA 12	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022† Acres
SUMMIT	117	117	143	75	82,163	138	94,994
CS CAMDEN	116	109	141	71	51,494	142	50,612
CDC ENDURE	—	—	—	95	6,623	143	29,334
ORE3542M	127	125	144	67	36,002	142	22,077
ORE3541M	132	124	143	69	6,747	146	5,881
CDC ARBORG	—	135	137	84	5,730	145	5,185
AAC DOUGLAS	—	—	—	58	846	150	4,113
SOURIS	112	116	134	56	2,265	125	3,143
CDC HAYMAKER	—	95	129	50	1,474	98	1,268
DOUGLAS	—	—	—	—	—	146	890
AC ASSINIBOIA	—	—	—	—	—	141	700
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGES‡						139.7	225,903

† 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, 2023;
 * Assuming 48 lbs./bu.



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BARLEY* YIELDS BY VARIETY 2018–2022†							RISK AREA 12	
Variety‡	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022‡ Acres	
CONLON	80	78	96	55	10,262	86	11,799	
AAC SYNERGY	89	86	93	65	6,947	83	8,212	
CDC AUSTENSON	99	96	96	31	10,417	88	7,536	
CANMORE	84	96	82	49	4,087	66	4,002	
ESMA	—	—	—	62	664	100	2,765	
AC METCALFE	82	85	76	59	2,941	80	2,759	
AAC CONNECT	—	—	102	63	1,822	85	2,489	
CELEBRATION	89	67	90	42	1,840	96	1,921	
NEWDAL	87	95	92	75	505	76	838	
TRADITION	77	77	68	—	—	82	821	
CDC COPELAND	—	—	83	—	—	85	550	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE\$							84.1	49,118

CORN YIELDS BY VARIETY 2018–2022†							RISK AREA 12	
Variety‡	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022‡ Acres	
P7455R (RT)	—	122	141	96	21,575	162	16,243	
P7527AM (LT)(RT)	125	128	131	96	24,063	162	14,292	
DKC31-85RIB (RT)(RIB)	—	—	153	128	12,303	184	12,566	
P8588AM (LT)(RT)	—	—	—	138	5,304	182	9,801	
DKC24-06RIB (RT)	—	—	—	81	8,492	164	8,939	
P7211AM (LT)(RT)(HX1)(YG)	—	105	141	70	12,301	158	8,456	
TH6278 VT2P (RT)(RIB)	—	—	—	—	—	165	7,078	
TH 6977 VT2P (RT)	—	133	139	107	8,150	168	6,994	
DKC29-89RIB (LT)(RT)(RIB)	—	124	139	117	5,954	168	6,579	
P7861AM (LT)(RT)(HX1)(YG)	—	—	126	125	6,611	165	6,544	
DKC33-37RIB (RT)(RIB)	—	—	—	141	10,555	182	6,472	
P7417AM (LT)(RT)(HX1)(YG)	—	—	131	114	4,755	164	5,350	
P7958AM (LT)(RT)(HX1)	134	131	150	112	6,716	169	4,942	
P7844AM (LT)(RT)	—	—	—	—	—	165	3,780	
PV 61276 RIB (RT)(RIB)	—	—	—	—	—	166	3,219	
P7211HR	108	118	121	51	4,247	147	3,069	
DKC33-78RIB (RIB)	133	139	156	119	6,435	184	2,838	
DKC21-36RIB (RT)(RIB)	—	—	—	45	869	162	2,769	
P7861R (RT)	—	—	132	106	3,426	159	2,708	
TH 6982 VT2P (RT)	—	121	122	133	5,364	158	2,554	
TH6079 VT2P (RT)(RIB)	—	—	143	127	6,201	168	1,891	
TH6182 VT2P (RT)(RIB)	—	—	—	—	—	176	1,805	
PV 61180 RIB (LT)(RT)	—	117	121	134	999	180	1,370	
P7417R (RT)	—	—	123	98	1,144	171	1,357	
DKC35-88RIB (RT)(RIB)	151	145	162	127	3,723	180	1,323	
P8407AM (LT)(RT)(HX1)(YG)	—	—	160	141	2,735	169	1,230	
A4939G2 RIB (RT)(RIB)	115	133	119	127	954	160	1,189	
DKC35-37RIB (RT)(RIB)	—	—	—	162	749	189	1,078	
TH 6875 VT2P (RT)(RIB)	—	—	128	—	—	135	1,034	
NS 271 (RT)	—	—	—	—	—	158	845	
E49K32 R (RT)(RIB)	—	—	—	—	—	166	750	
P8537AM (LT)(RT)	—	—	—	—	—	173	739	
PS 2320RR (RT)	—	—	—	—	—	68	620	
2288VT2P (LT)(RT)(RIB)	—	—	155	144	1,574	165	596	
DKC26-40 (RIB)	110	105	110	78	1,718	158	540	
TH6072 VT2P (RT)(RIB)	—	—	—	—	—	139	512	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE\$							167.4	162,684

FIELD PEA YIELDS BY VARIETY 2018–2022†							RISK AREA 12	
Variety‡	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022‡ Acres	
AAC CHROME	—	—	67	26	3,798	60	7,617	
AAC CARVER	55	54	58	28	7,443	56	7,401	
CDC LEWOCHKO	—	—	—	21	1,044	53	1,861	
AAC PROFIT	—	—	—	31	705	60	930	
AAC DELHI	—	—	—	—	—	78	787	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE\$							56.6	21,893

DRY BEAN YIELDS BY VARIETY 2018–2022†							RISK AREA 12	
Variety‡	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022‡ Acres	
VIBRANT (PINTO)	1,962	1,459	2,288	1,303	20,682	2,551	14,383	
WINDBREAKER (PINTO)	1,916	1,263	2,535	1,063	16,159	2,703	12,084	
ECLIPSE (BLACK)	1,673	1,182	1,993	791	7,644	2,485	4,306	
BL BLACK TAILS (BLACK)	—	—	2,335	1,978	1,960	2,436	2,496	
T9905 (WHITE PEA)	1,980	1,241	2,185	948	3,572	2,690	1,607	
CRIMSON (CRANBERRY)	2,551	1,759	2,630	1,162	2,668	2,668	1,371	
SV6139GR (PINTO)	—	1,662	2,028	891	1,244	2,399	608	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE\$							2591.3	40,039

SUNFLOWER YIELDS BY VARIETY 2018–2022†							RISK AREA 12	
Variety‡	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022‡ Acres	
P63ME80 (ET) (O)	2,615	2,183	—	1,717	11,367	2,163	9,949	
P63HE60 (ET) (O)	—	—	2,500	1,543	2,929	2,315	6,903	
P63M80 (O)	2,749	1,991	—	2,555	4,996	2,436	3,731	
TALON (ET) (O)	2,260	1,993	2,489	1,711	3,133	2,024	1,168	
N4H302 E (ET) (O)	—	—	—	—	—	2,006	1,104	
6946 DMR (C)	2,449	2,286	2,758	1,967	3,067	1,806	1,029	
6946 (C)	—	—	—	1,689	765	2,055	852	
CP432E (O)	—	—	—	—	—	2,396	652	
P63HE501 (O)	—	—	—	—	—	2,030	582	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE\$							2228.1	28,466

FLAX YIELDS BY VARIETY 2018–2022†							RISK AREA 12	
Variety‡	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022‡ Acres	
CDC GLAS	25	29	38	14	10,252	41	5,148	
CDC ROWLAND	—	—	—	10	965	38	2,337	
CDC NEELA	27	18	43	17	1,962	35	1,259	
AAC BRAVO	—	—	37	16	644	31	587	
WESTLIN 72	25	31	37	14	933	31	565	
AAC MARVELOUS	—	—	—	10	665	41	519	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE\$							38.9	13,159

RISK AREA 14

CANOLA YIELDS BY VARIETY 2018–2022†							RISK AREA 14	
Variety‡	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022‡ Acres	
L340PC (LT)	—	—	—	26	8,203	46	15,361	
L233P (LT)	49	48	38	28	18,214	45	12,840	
INVIGOR L345PC (LT)	—	—	36	30	16,562	44	10,087	
DKLL 82 SC (LT)	—	—	37	26	8,005	40	6,049	



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

‡ On system as of January 12, 2023;
 * Assuming 48 lbs./bu.

CANOLA YIELDS BY VARIETY 2018–2022†							RISK AREA 14	
Variety†	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022† Acres	
L357P (LT)	—	—	—	26	1,015	40	4,914	
L255PC (LT)	48	48	33	28	2,252	38	4,522	
L356PC (LT)	—	—	—	—	—	42	2,275	
DKLL 83 SC (LT)	—	—	—	—	—	46	2,089	
L343PC (LT)	—	—	—	—	—	39	1,508	
PV 660 LCM (LT)	—	—	—	22	1,296	44	1,252	
P50MSL (LT)	—	—	—	—	—	43	941	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						43.1	65,110	

WHEAT YIELDS BY VARIETY 2018–2022†							RISK AREA 14	
Variety†	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022† Acres	
AAC BRANDON (RS)	70	60	59	57	21,802	57	27,322	
AAC VIEWFIELD EXP (RS)	—	69	77	72	16,770	69	20,172	
AAC STARBUCK (RS)	—	—	—	58	4,109	60	9,707	
FALLER (NHR)	79	69	74	68	6,930	68	7,787	
AAC ELIE (RS)	79	68	73	82	6,048	70	4,342	
AAC GATEWAY (W)	73	63	—	72	3,125	73	3,582	
AAC PENHOLD (PS)	75	61	65	59	1,173	58	2,177	
GLENN (RS)	76	74	80	75	1,184	78	1,567	
CS DAYBREAK (RS)	—	—	—	56	3,228	58	1,549	
SY CAST (RS)	—	—	—	—	—	49	1,320	
AAC LEROY VB (RS)	—	—	—	57	1,021	60	1,306	
CARDALE (RS)	68	57	64	57	2,211	60	1,211	
BOLLES (RS)	—	—	73	56	1,261	49	996	
EMERSON (W)	66	69	—	57	1,168	44	816	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						61.7	88,972	

SOYBEAN YIELDS BY VARIETY 2018–2022†							RISK AREA 14	
Variety†	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022† Acres	
S007-Y4 (RT)	43	31	40	33	12,230	41	11,785	
P006A37X (RR2X)	—	34	39	35	4,440	40	6,500	
DKB005-52 (RT)	43	34	44	34	8,058	43	6,428	
S007-A2XS (RR2X)	—	—	—	37	4,738	45	6,237	
SI 001XTN (RR2X)	—	—	—	34	3,364	33	4,649	
DKB002-32 (RR2X)	—	—	—	33	6,959	36	4,342	
TH 87003 R2X (RR2X)	40	34	36	36	3,094	40	3,796	
LS 0036RR (RT)	39	28	37	34	4,715	42	3,326	
S0009-M2 (RT)	39	31	36	31	4,886	35	2,878	
NSC SPERLING RR2Y (RT)	—	28	38	31	3,311	43	2,559	
24-10RY (RT)	41	28	43	35	4,712	42	2,451	
SI 007XTN (RR2X)	—	—	—	40	5,379	43	2,373	
P005A83X (RR2X)	—	—	42	35	3,301	43	1,896	
P001A48X (RR2X)	—	—	35	34	1,228	35	1,696	
MAO R2X (RR2X)	—	—	—	—	—	37	1,540	
25-10RY (RT)	32	38	—	29	928	40	1,472	
S001-D8X (RR2X)	—	—	—	—	—	48	1,387	
PV 16S004 R2X (RR2X)	—	—	35	31	2,446	32	1,332	
OAC PRUDENCE	22	—	23	—	—	25	1,040	

SOYBEAN YIELDS BY VARIETY 2018–2022†							RISK AREA 14	
Variety†	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022† Acres	
NSC HOLLAND RR2X (RR2X)	—	—	—	—	—	40	936	
KUDO R2X (RR2X)	—	—	—	40	1,270	34	743	
SUNNA R2X (RR2X)	—	—	—	—	—	42	674	
NSC WINKLER RR2X (RR2X)	—	—	—	41	616	42	530	
AKRAS R2 (RT)	42	26	40	—	—	43	523	
NSC GLADSTONE RR2Y (RT)	41	26	36	—	—	25	512	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						39.9	93,570	

OATS YIELDS BY VARIETY 2018–2022†							RISK AREA 14	
Variety†	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022† Acres	
CS CAMDEN	125	102	111	89	15,207	123	11,794	
SUMMIT	119	99	90	73	7,108	106	9,789	
CDC ENDURE	—	—	—	—	—	130	2,657	
ORE3542M	—	105	106	67	3,363	104	2,219	
CDC ARBORG	—	—	—	102	601	93	1,170	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						112.1	30,229	

BARLEY* YIELDS BY VARIETY 2018–2022†							RISK AREA 14	
Variety†	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022† Acres	
AAC SYNERGY	—	89	77	64	1,378	71	1,924	
CDC AUSTENSON	—	89	74	59	1,435	68	1,055	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						71.2	7,187	

CORN YIELDS BY VARIETY 2018–2022†							RISK AREA 14	
Variety†	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022† Acres	
P7211AM (LT)(RT)(HX1)(YG)	—	113	120	113	1,585	135	2,261	
P7455R (RT)	—	119	—	113	2,887	137	1,850	
P7861AM (LT)(RT)(HX1)(YG)	—	—	126	112	3,042	132	940	
P7844AM (LT)(RT)	—	—	—	—	—	171	902	
P7527AM (LT)(RT)	130	131	111	107	3,097	141	887	
DKC24-06RIB (RT)	—	—	—	115	2,017	127	835	
TH 6977 VT2P (RT)	—	—	—	114	850	126	546	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						136.5	11,889	

FIELD PEA YIELDS BY VARIETY 2018–2022†							RISK AREA 14	
Variety†	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022† Acres	
AAC CARVER	—	—	32	—	—	65	970	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						43.7	1,743	

SUNFLOWER YIELDS BY VARIETY 2018–2022†							RISK AREA 14	
Variety†	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022† Acres	
P63ME80 (ET) (O)	—	1,810	—	2,339	1,581	1,980	1,964	
P63HE60 (ET) (O)	—	—	—	—	—	1,614	1,948	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§						1847.5	5,674	

† 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, 2023;
 * Assuming 48 lbs./bu.

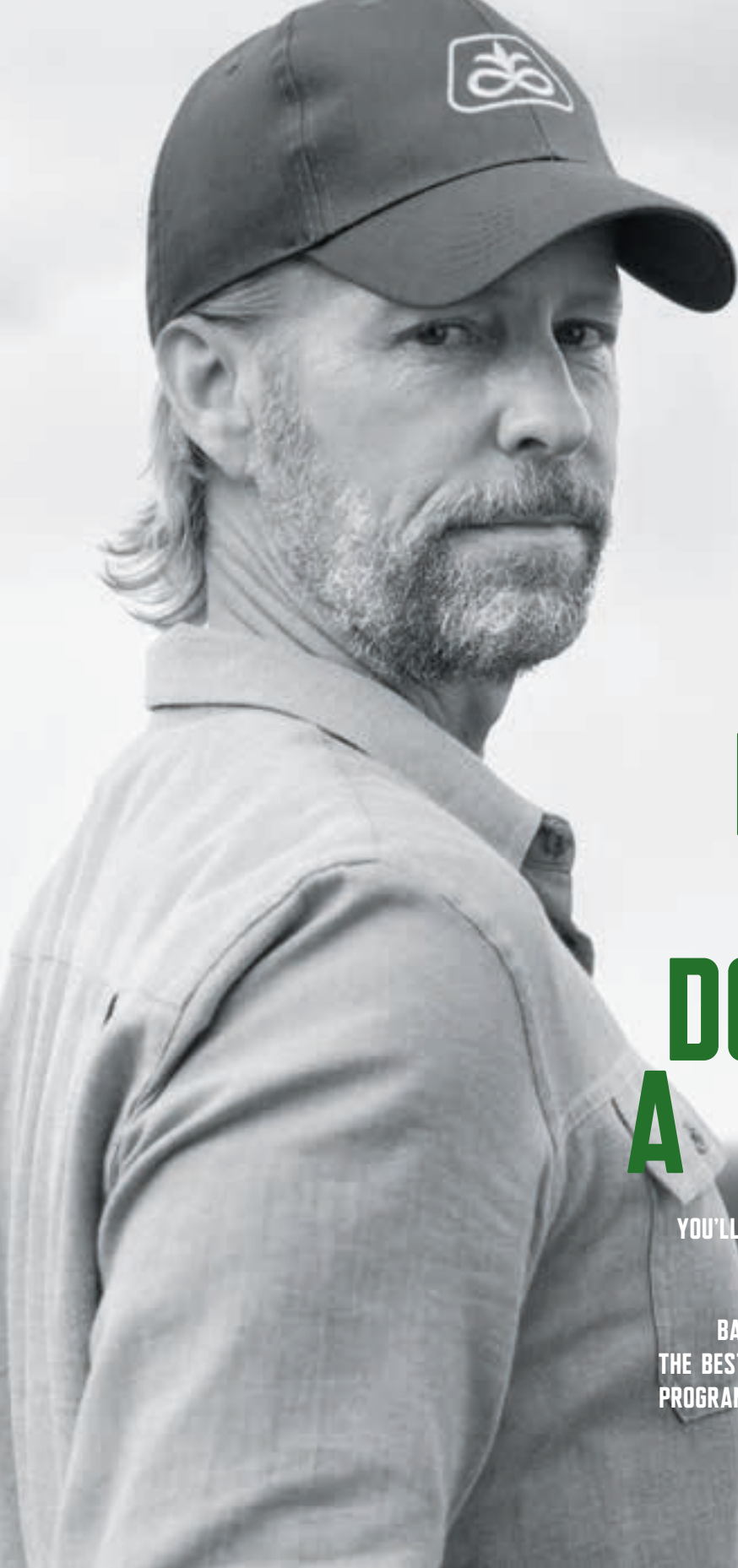


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RISK AREA 15

CANOLA YIELDS BY VARIETY 2018–2022†							RISK AREA 15	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022† Acres	
L340PC (LT)	—	—	—	19	5,316	25	8,239	
DKLL 82 SC (LT)	—	—	36	18	7,324	18	7,207	
L233P (LT)	40	39	40	13	18,070	26	6,086	
INVIGOR L345PC (LT)	—	—	43	19	13,186	24	4,997	
1028 RR (RT)	—	32	31	9	3,925	24	4,950	
L357P (LT)	—	—	—	21	1,993	29	3,074	
P505MSL (LT)	—	—	—	15	3,380	19	2,758	
L255PC (LT)	44	39	43	20	5,468	18	1,972	
DKTF 96 SC (RT)	—	—	32	12	1,088	8	1,852	
L356PC (LT)	—	—	—	—	—	30	1,655	
45CM39 (RT)	—	—	52	12	2,508	6	875	
B3010M (LT)	—	31	—	6	1,092	25	822	
B2030MN (CT)	—	—	—	18	1,225	15	571	
PV 560 GM (RT)	29	13	39	10	546	14	516	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							21.7	50,667

WHEAT YIELDS BY VARIETY 2018–2022†							RISK AREA 15	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022† Acres	
AAC BRANDON (RS)	53	50	63	29	24,856	38	14,610	
AAC VIEWFIELD EXP (RS)	56	56	73	35	20,294	35	8,783	
AAC STARBUCK (RS)	—	—	—	34	9,301	38	7,585	
CS DAYBREAK (RS)	—	—	73	—	—	48	3,256	
SY TORACH (RS)	—	—	77	37	2,715	40	2,461	
FALLER (NHR)	56	54	79	37	5,810	48	2,182	
EMERSON (W)	—	—	—	—	—	11	1,117	
CARBERRY (RS)	41	38	—	—	—	35	883	
CARDALE (RS)	54	53	59	30	859	38	681	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							38.6	45,072

SOYBEAN YIELDS BY VARIETY 2018–2022†							RISK AREA 15	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022† Acres	
S007-Y4 (RT)	29	22	36	28	10,406	31	9,264	
P001A48X (RR2X)	—	—	38	27	4,311	31	2,393	
S0009-M2 (RT)	32	22	35	23	1,429	32	1,997	
P003A97X (RR2X)	—	—	37	24	2,315	29	1,856	
YOUNG R2X (RR2X)	—	—	—	—	—	26	1,309	
S0009-F2X (RR2X)	—	—	—	—	—	24	1,257	
HART R2X (RR2X)	—	—	—	31	651	33	1,054	
DKB002-32 (RR2X)	—	—	—	24	1,967	27	944	
B0012RX (RR2X)	—	—	—	—	—	34	710	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							26.3	31,466

OATS YIELDS BY VARIETY 2018–2022†							RISK AREA 15	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022† Acres	
CS CAMDEN	86	91	113	36	17,604	79	6,788	
CDC ARBORG	—	—	128	39	5,745	84	2,215	
CDC ENDURE	—	—	—	—	—	94	1,269	
AAC DOUGLAS	—	—	—	—	—	90	1,200	
SUMMIT	51	76	103	24	725	79	869	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							80.3	12,876

BARLEY* YIELDS BY VARIETY 2018–2022†							RISK AREA 15	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022† Acres	
CDC AUSTENSON	80	67	82	31	4,615	44	1,633	
AAC SYNERGY	—	83	93	37	2,087	45	1,484	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							37.7	8,886

FIELD PEA YIELDS BY VARIETY 2018–2022†							RISK AREA 15	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022† Acres	
AAC PROFIT	—	—	—	—	—	49	1,270	
CDC LEWOCHKO	—	—	—	19	1,200	39	1,100	
AAC CHROME	—	—	63	20	2,510	32	662	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							40.2	3,358

RISK AREA 16

CANOLA YIELDS BY VARIETY 2018–2022†							RISK AREA 16	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022† Acres	
L234PC (LT)	—	—	—	31	2,287	51	2,780	
BY 6204 TF (RT)	—	—	—	—	—	49	2,769	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							48.2	14,099

WHEAT YIELDS BY VARIETY 2018–2022†							RISK AREA 16	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022† Acres	
AAC REDBERRY (RS)	—	—	46	63	2,646	68	6,807	
AAC VIEWFIELD EXP (RS)	—	—	46	64	3,868	70	2,322	
CDC LANDMARK (RS)	—	66	33	57	1,707	70	1,857	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							67.8	13,280

OATS YIELDS BY VARIETY 2018–2022†							RISK AREA 16	
Variety¶	2018 Yield	2019 Yield	2020 Yield	2021 Yield	2021 Acres	2022 Yield	2022† Acres	
SUMMIT	—	—	—	—	—	116	745	
WEIGHTED AVERAGE YIELD AND TOTAL ACREAGE§							114.2	800

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 AND 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

(AGRIASURE) 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
(YG) YieldGard

† 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, 2023;
* Assuming 48 lbs./bu.

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