

2024 Saskatchewan Mustard Update

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Outline

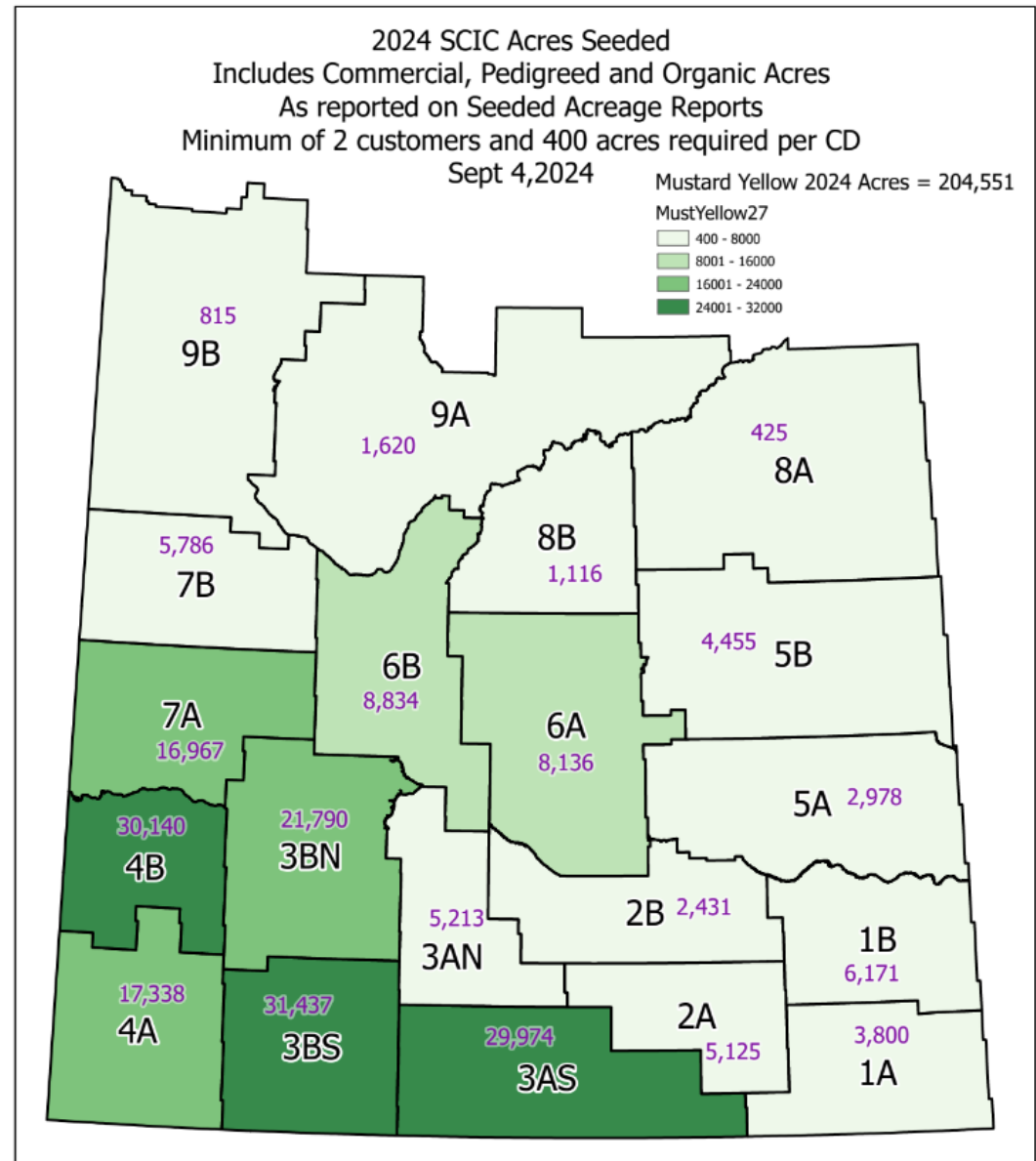
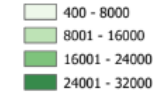
- 2024 SCIC Production Maps
- 2024 Stats Canada Data
- Clubroot

2024 Yellow Mustard SCIC Insured Acres

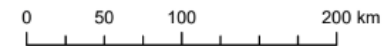
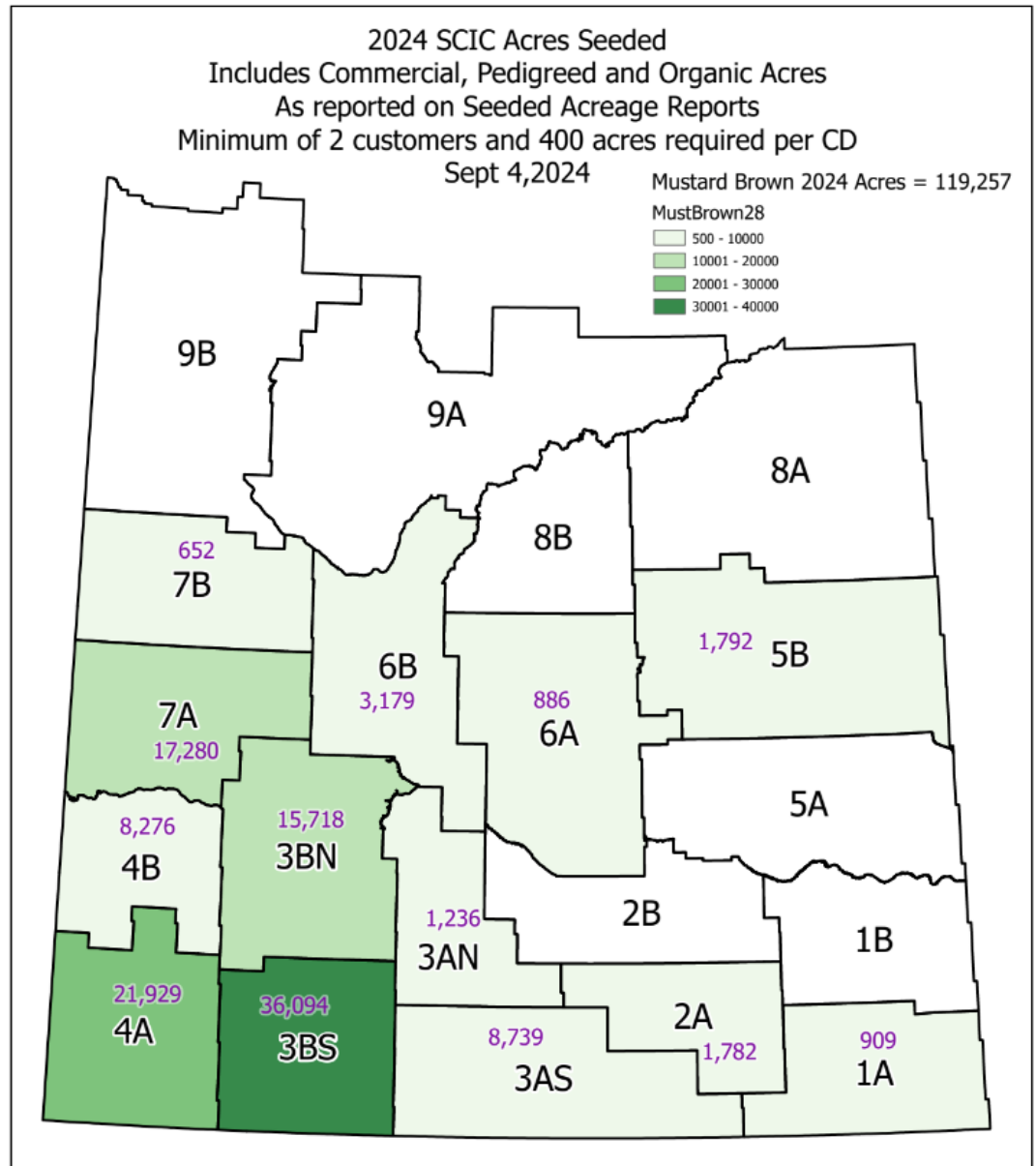
2024 SCIC Acres Seeded
 Includes Commercial, Pedigreed and Organic Acres
 As reported on Seeded Acreage Reports
 Minimum of 2 customers and 400 acres required per CD
 Sept 4, 2024

Mustard Yellow 2024 Acres = 204,551

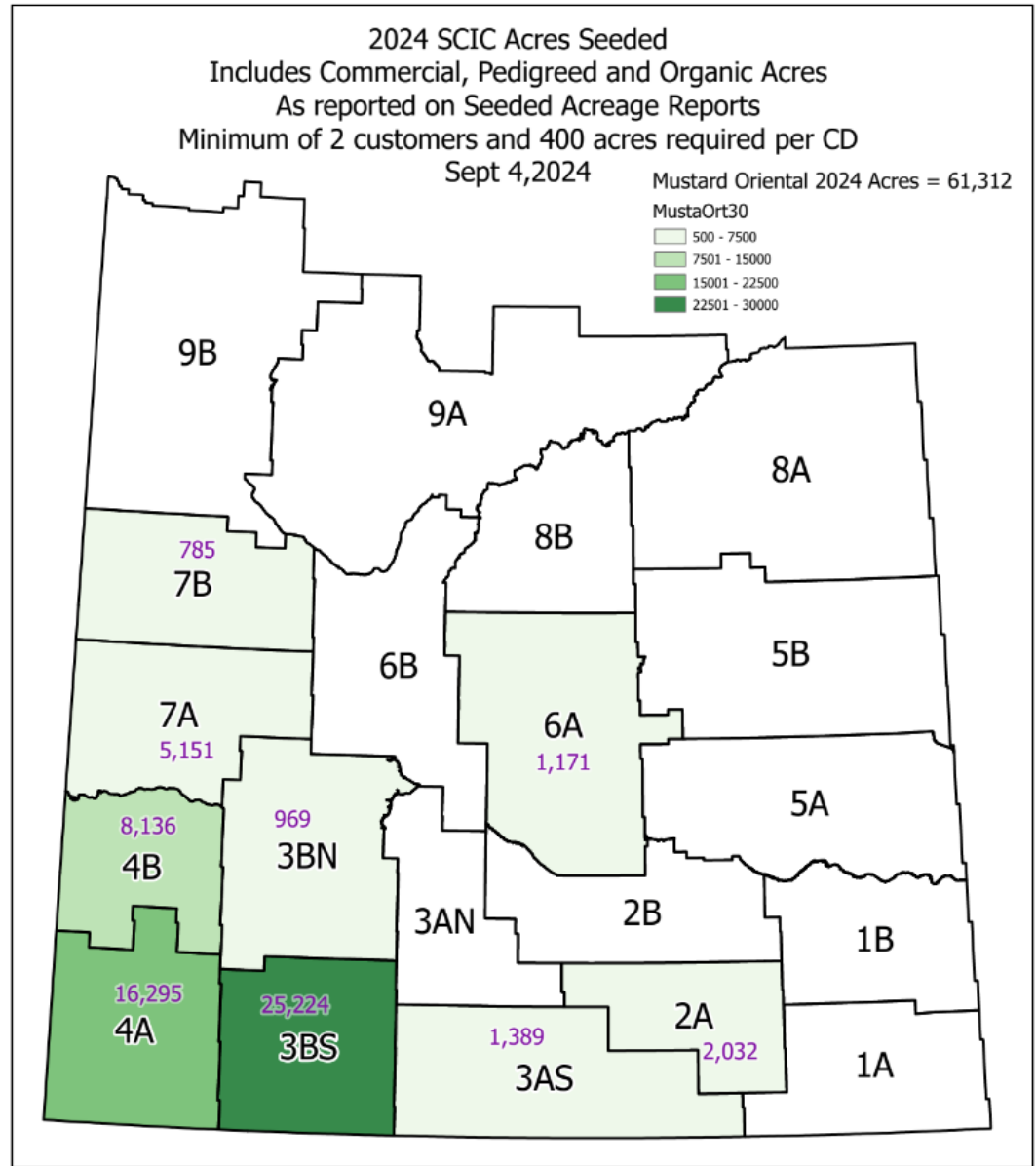
MustYellow27



2024 Brown Mustard SCIC Insured Acres



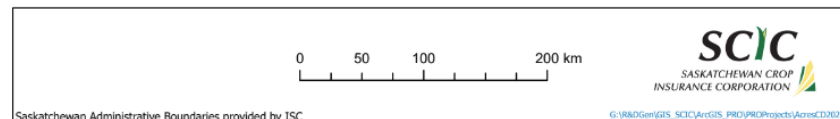
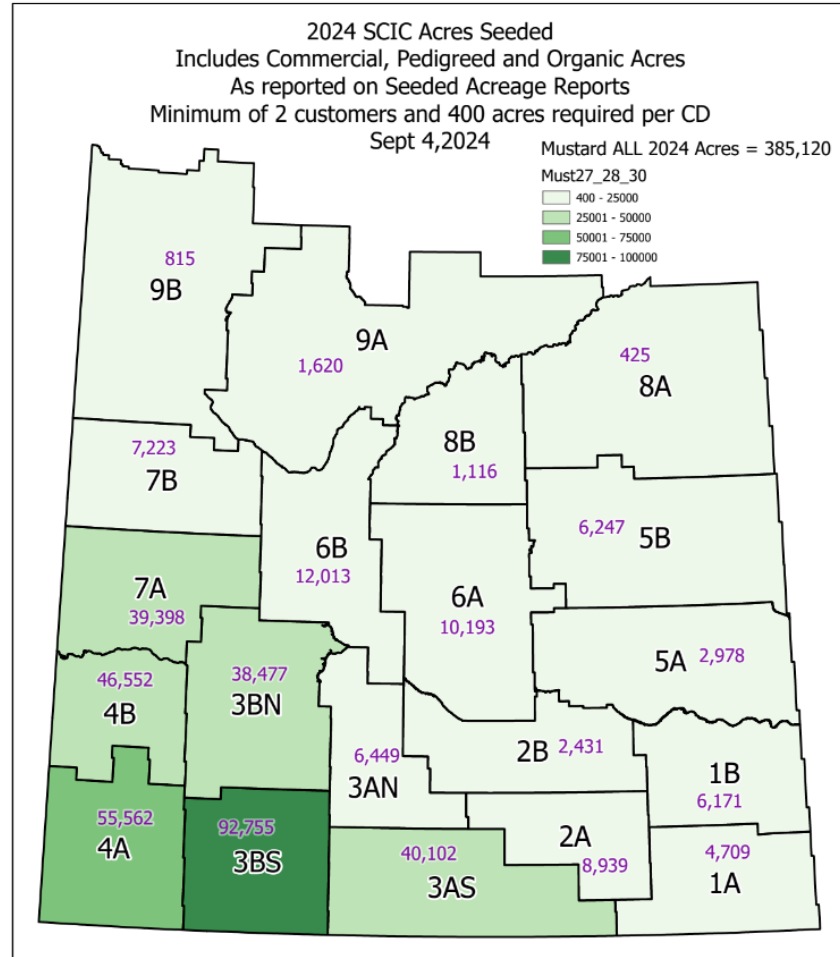
2024 Oriental Mustard SCIC Insured Acres



0 50 100 200 km



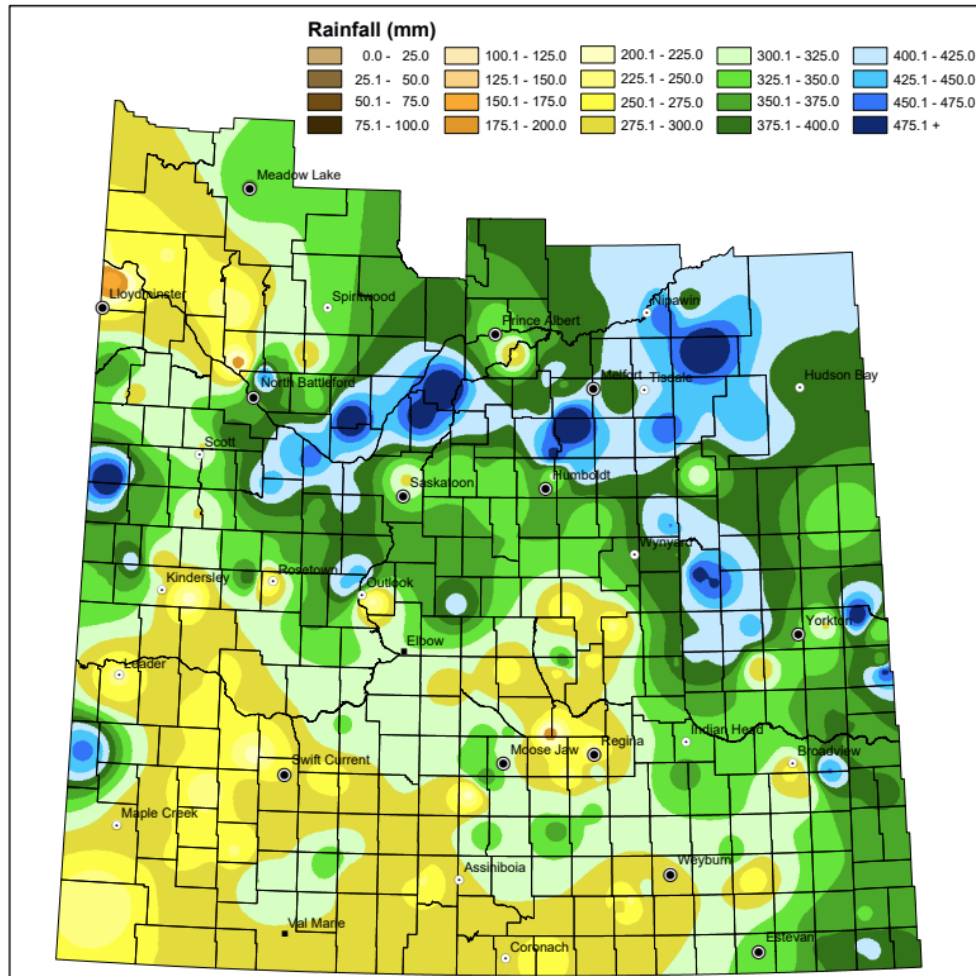
2024 All Mustard SCIC Insured Acres



Saskatchewan Administrative Boundaries provided by ISC

Cumulative Rainfall

from April 1 to October 21, 2024

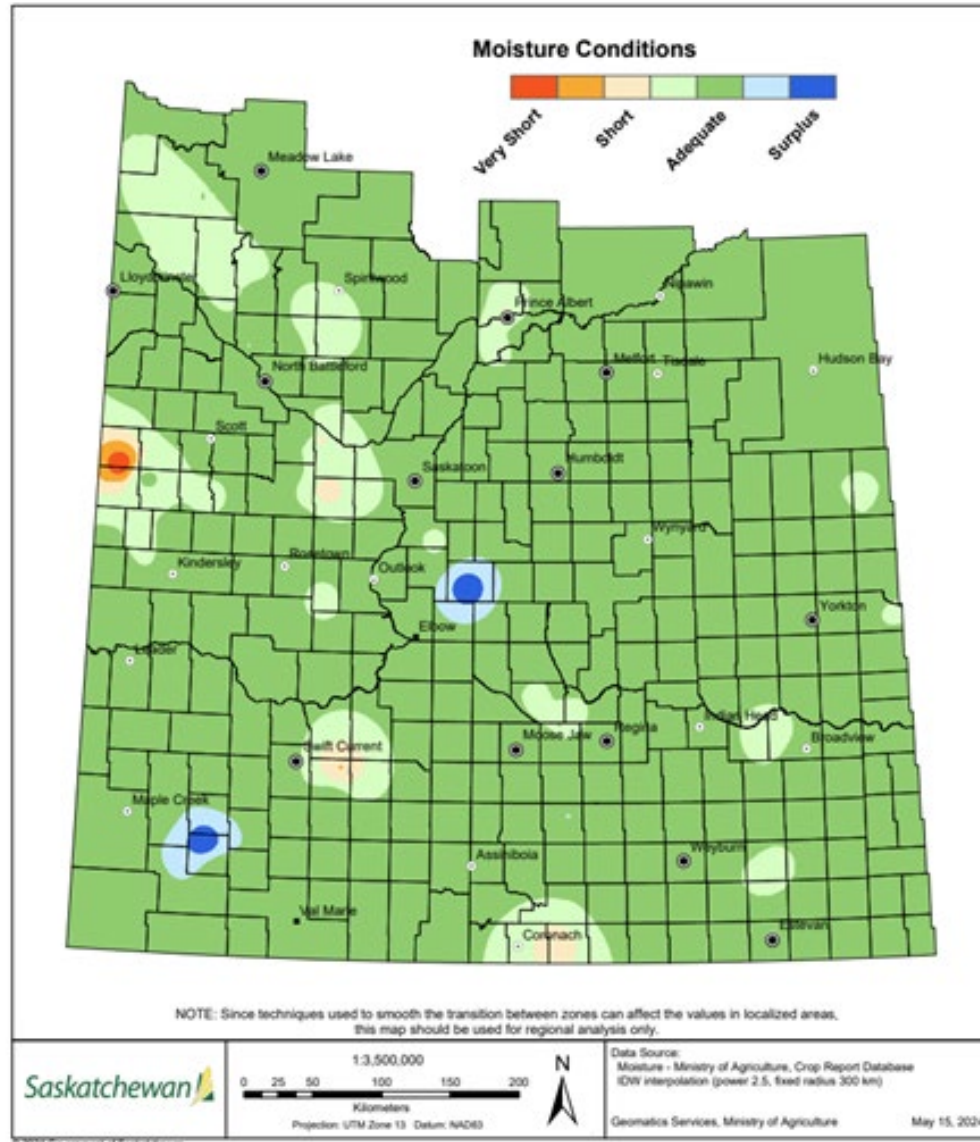


NOTE: Since techniques used to smooth the transition between zones can affect the values in localized areas, this map should be used for regional analysis only.

	1:3,500,000 		Data Source: Rainfall - Ministry of Agriculture, Crop Report Database IDW interpolation (power 2.5, fixed radius 300 km)
	Projection: UTM Zone 13 Datum: NAD83		Geomatics Services, Ministry of Agriculture October 23, 2024

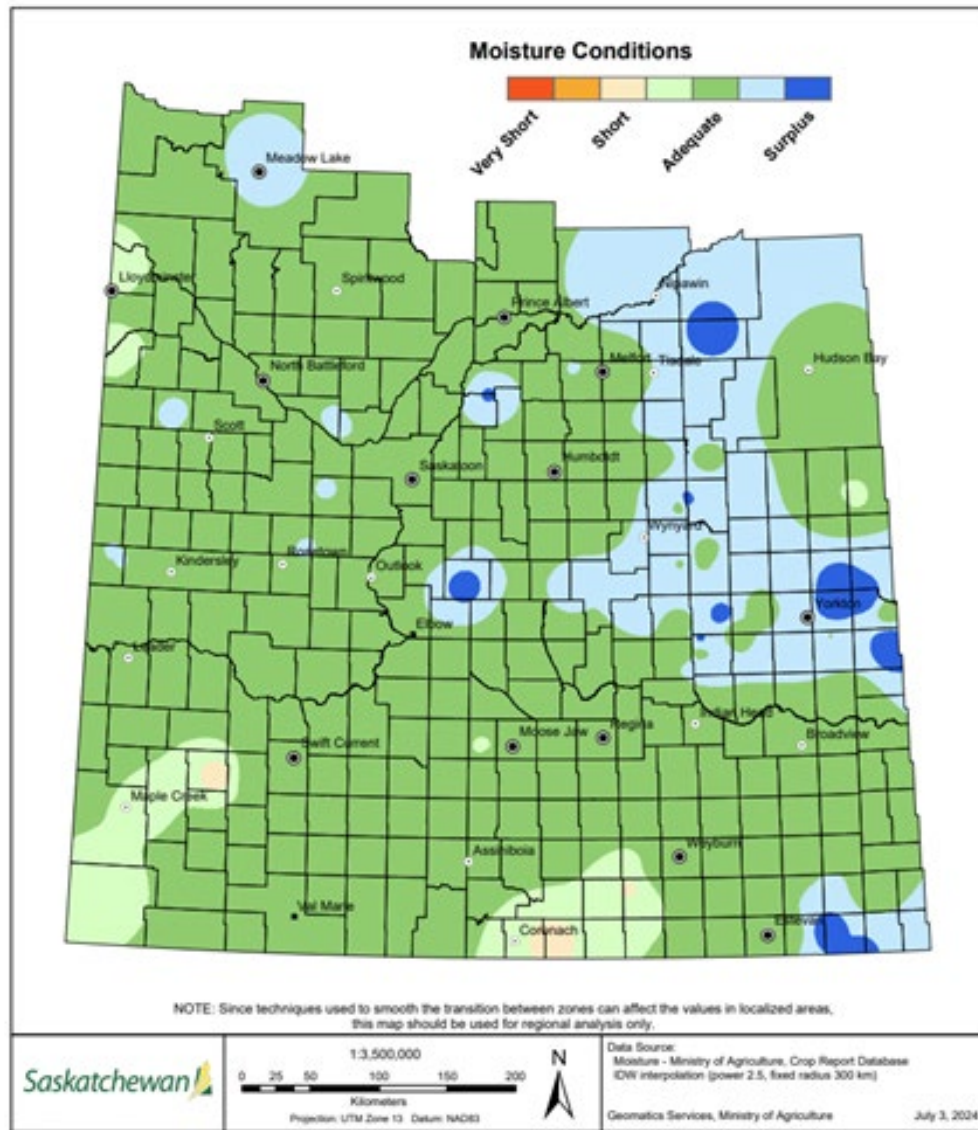
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Cropland Topsoil Moisture Conditions from May 7 to May 13, 2024

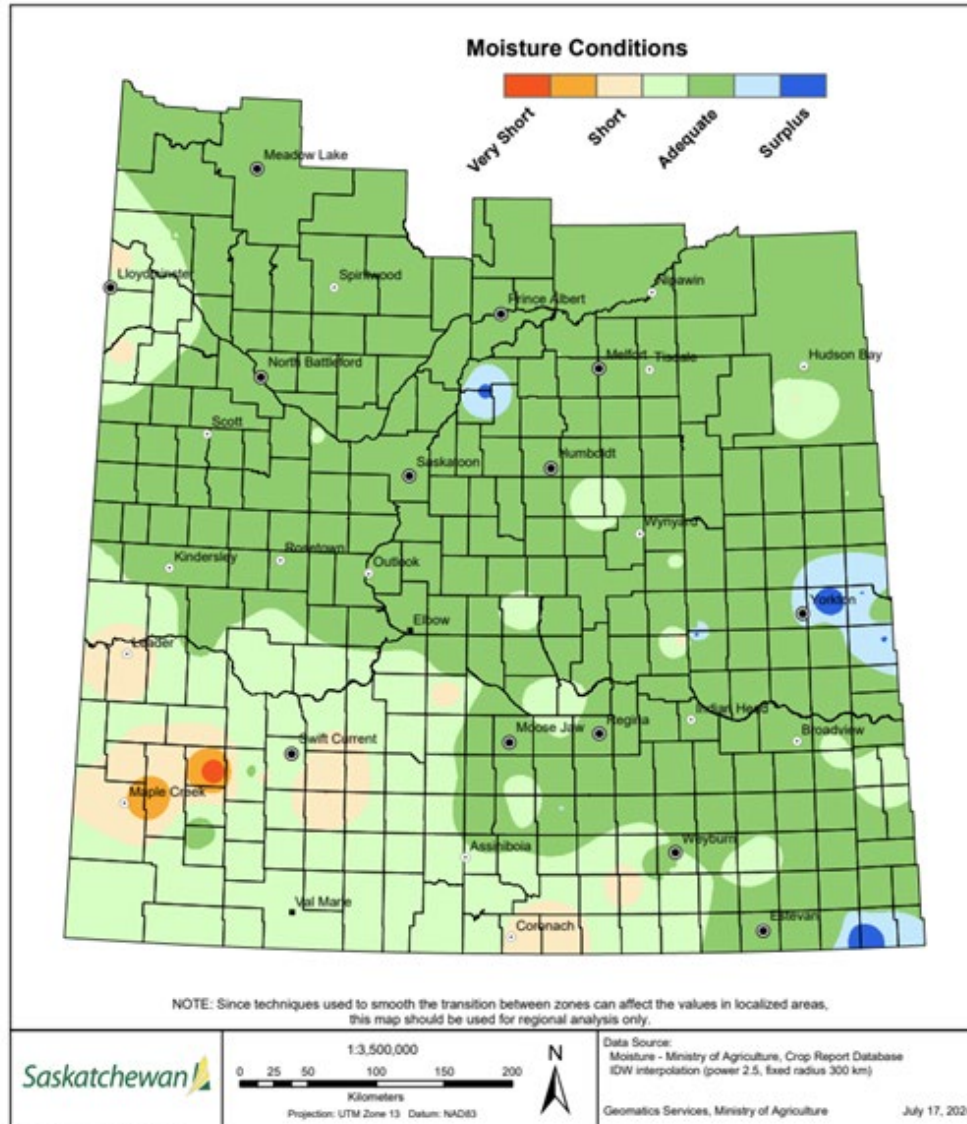


Cropland Topsoil Moisture Conditions

from June 25 to July 1, 2024

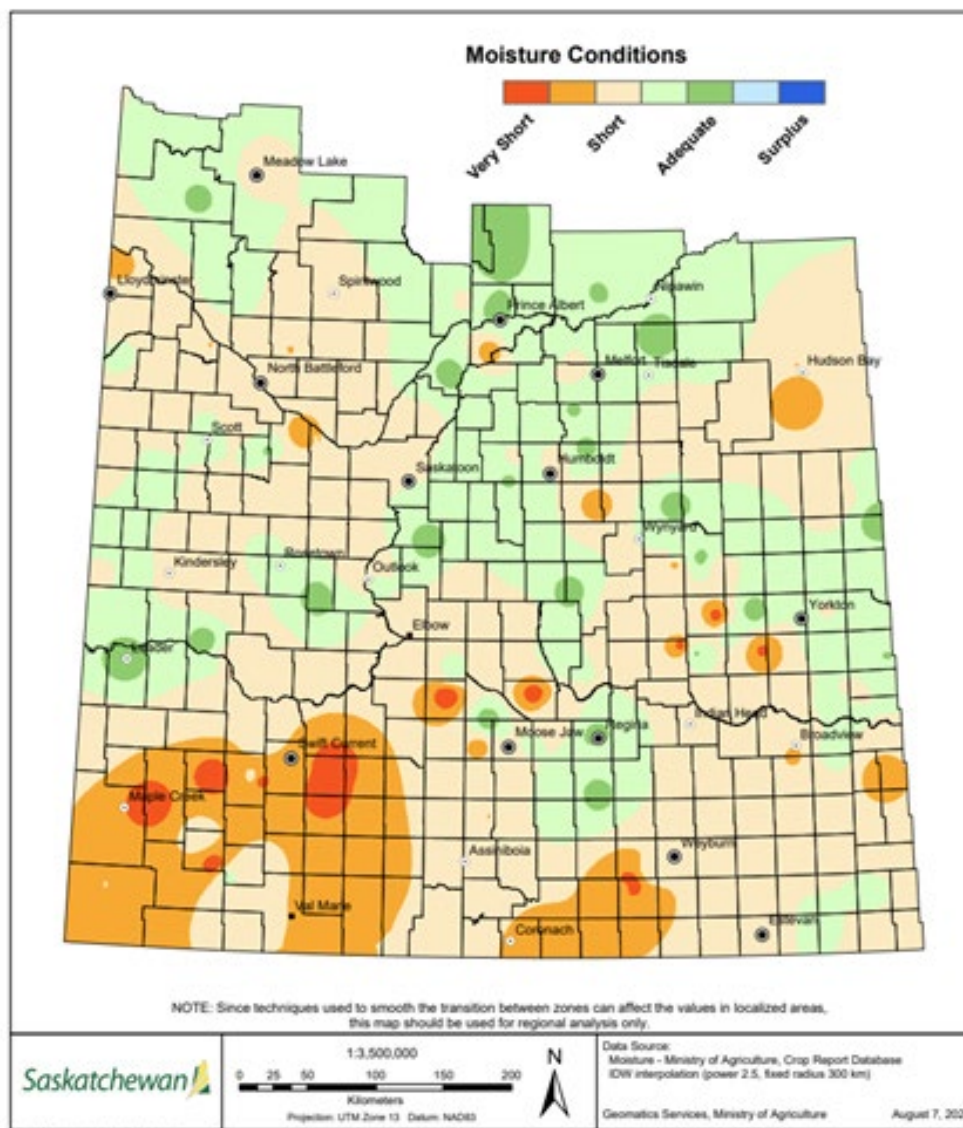


Cropland Topsoil Moisture Conditions from July 9 to July 15, 2024



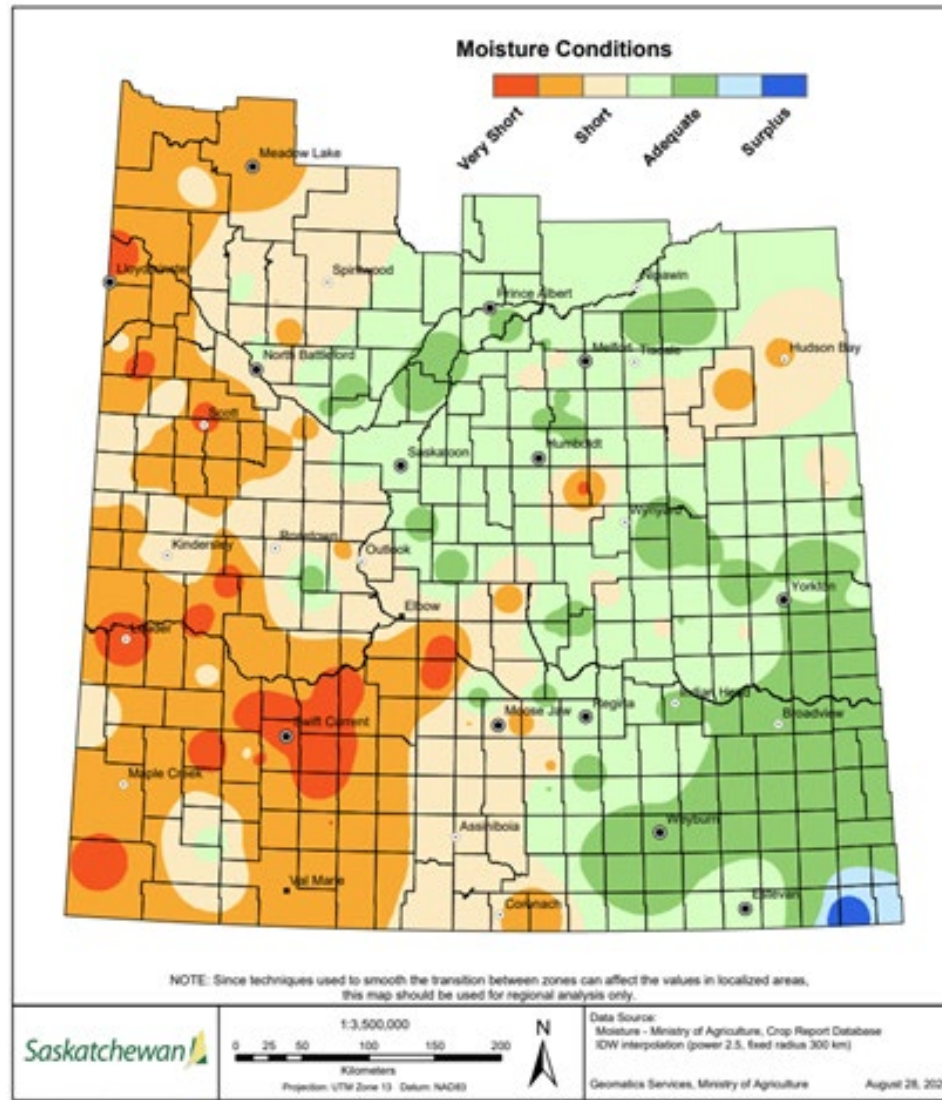
Cropland Topsoil Moisture Conditions

from July 30 to August 5, 2024



Cropland Topsoil Moisture Conditions

from August 20 to August 26, 2024



Stats Canada

	Saskatchewan 2024				
	Area		Yield	Production	
Crop	Seeded	Harvested		'000	
	'000 acres	'000 acres	lbs/ac	tonnes	
Brown mustard seed	111.8	111.6	800.3	40.5	
Oriental mustard seed	89.7	89.7	739.9	30.1	
Yellow mustard seed	208.2	204.2	707.1	65.5	
All mustard seed	409.7	405.5	740	136.1	

Stats Canada

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Mustard											
	Seeded Area (thousand acres)										
Saskatchewan	365.0	255.0	375.0	290.0	375.5	292.0	172.2	205.7	403.1	463.7	409.7
Manitoba					4.9	1.8		4.8			
Alberta	135.0	90.0	135.0	95.0	122.1	104.4	80.0	78.2	143.5	162.3	190.5
Prairie Provinces	500.0	345.0	510.0	385.0	502.5	398.2	252.2	288.7	546.6	626.0	600.2
	Production (thousand tonnes)										
Saskatchewan	138.6	91.5	162.3	94.5	134.7	106.2	63.0	45.8	115.0	130.2	136.1
Manitoba					2.2	0.8					
Alberta	59.4	31.9	73.3	27.1	36.7	27.6	36.5	14.7	45.9	37.0	54.4
Prairie Provinces	198.0	123.4	235.6	121.6	173.6	134.6	99.5	60.5	160.9	167.2	190.5
	Yields (pounds per acre)										
Saskatchewan	873	841	1,022	730	815	834	822	512	639	632	740
Manitoba					993	874					
Alberta	985	800	1,224	642	686	609	1,009	432	715	528	634
Prairie Provinces	904	829	1,078	709	785	776	883	489	659	606	706
	Average Farmgate Price in Saskatchewan (\$/tonne)										
	14/15	15/16	16/17	17/18	18/19	19/20	20/21	21/22	22/23	23/24	
\$/tonne	696	939	985	707	950	731	792	1,622	1,753	1,360	
	Canadian Exports (thousand tonnes)										
	14/15	15/16	16/17	17/18	18/19	19/20	20/21	21/22	22/23	23/24	
'000 tonnes	126.0	112.9	123.7	111.9	121.1	111.8	110.6	105.6	109.7	96.3	

Provincial Estimated Crop Yields - October 21, 2024

	Winter Wheat (bu/acre)	Durum (bu/acre)	Flax (bu/acre)	Fall Rye (bu/acre)	Oat (bu/acre)	Canola (bu/acre)	Hard Red Spring Wheat (bu/acre)	Barley (bu/acre)
Southeast	52.9	36.5	20.1	37.8	88.5	30.7	46.9	66.6
Southwest	36.7	26.9	16.0	27.5	36.0	22.0	29.0	43.9
East-Central	50.6	35.4	25.8	57.3	79.3	36.2	50.7	70.0
West-Central	50.0	41.6	24.9	45.3	64.7	33.7	43.9	55.4
Northeast	No Response(s)	35.0	25.8	46.3	103.7	37.1	55.8	78.2
Northwest	No Response(s)	No Response(s)	25.0	65.0	80.2	33.0	44.8	70.1
Provincial	46.3	33.1	23.4	51.7	78.7	32.7	46.0	63.4
10-Year Average (2014-2023)	39.6	34.0	22.2	37.1	82.9	34.1	41.4	59.6
	Soybean (bu/acre)	Other Spring Wheat (bu/acre)	Field Pea (bu/acre)	Mustard (lbs/acre)	Canaryseed (lbs/acre)	Lentil (lbs/acre)	Chickpea (lbs/acre)	
Southeast	23.7	54.0	31.9	788.7	1520.3	1276.2	1337.9	
Southwest	No Response(s)	22.8	27.9	711.3	898.3	1155.8	1213.3	
East-Central	30.0	52.9	47.2	1258.7	1816.7	1650.7	No Response(s)	
West-Central	25.0	56.9	36.5	1199.7	1302.0	1320.2	1480.0	
Northeast	No Response(s)	62.5	44.0	1100.0	1449.0	1473.5	No Response(s)	
Northwest	No Response(s)	44.5	31.8	No Response(s)	No Response(s)	1350.0	No Response(s)	
Provincial	29.7	51.8	35.7	837.1	1339.5	1306.3	1319.4	
10-Year Average (2014-2023)	24.6	45.6	33.9	881.1	1105.3	1238.2	1194.7	

* 'Other Spring Wheat' includes all wheat classes other than Hard Red Spring Wheat

** Crop yield predictions at this point in time. Please keep in mind these are regional averages, and yields can vary greatly across an area.

***Mustard, Canaryseed, Lentil and Chickpea in lbs/ac. All other crops in bu/ac

2024 Crop Grades - October 21, 2024

	Mustard			
	1CAN	2CAN	3CAN	4CAN & Sample
2014	56	30	12	2
2015	80	18	2	0
2016	64	29	6	1
2017	87	13	0	0
2018	80	19	1	0
2019	75	15	10	0
2020	89	10	1	0
2021	64	13	23	0
2022	79	21	0	0
2023	62	34	4	0
10 yr avg	74	20	6	0
2024	62	25	13	0

Canadian Mustard Exports

Top 20 Destinations by Crop Year

	Crop Year 2022/23			Crop Year 2023/24	
		Metric Tonnes			Metric Tonnes
	World	109,840		World	96,310
1	United States	60,590		United States	51,304
2	Belgium	20,390		Belgium	20,607
3	Netherlands	4,882		Netherlands	5,725
4	Japan	3,820		Japan	3,311
5	Germany	2,734		Brazil	2,288
6	Brazil	1,971		Senegal	1,750
7	Senegal	1,969		Peru	1,191
8	Korea (Rep. of)	1,348		Korea (Rep. of)	1,152
9	Poland	1,295		Ecuador	1,009
10	Mexico	1,283		Chile	889
11	Peru	1,261		Germany	840
12	Morocco	1,167		Mexico	837
13	Ecuador	928		United Kingdom	748
14	United Kingdom	769		Morocco	725
15	Thailand	717		Thailand	519
16	South Africa	618		Australia	421
17	Bolivia	498		El Salvador	419
18	China (People's Republic of)	438		Venezuela	359
19	Australia	409		Switzerland	295
20	Côte d'Ivoire	327		China (People's Republic of)	282

Yellow Mustard

Mustard 1CAN - Yellow
(\$ per cwt)

Mustard 1CAN - Brown
(\$ per cwt)

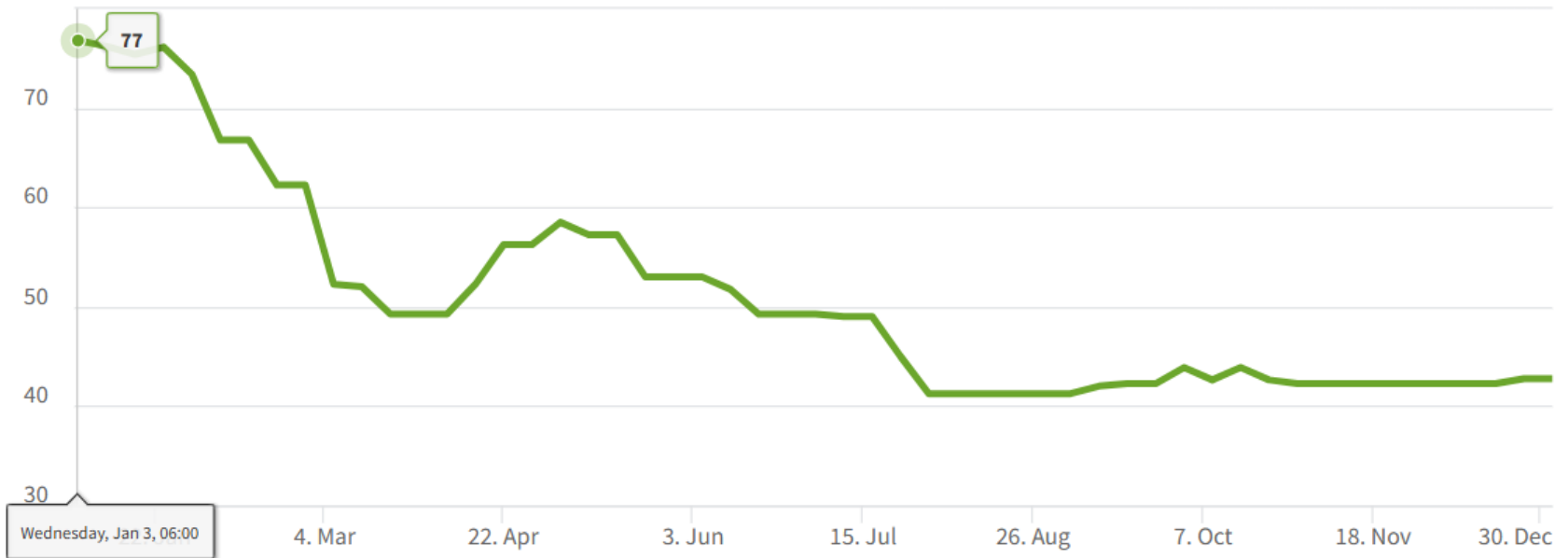
Mustard 1CAN - Oriental
(\$ per cwt)

Mustard 1CAN - Yellow



Zoom YTD 1w 1m **1y** All

Jan 2024 → Jan 2025



Yellow Mustard

Mustard 1CAN - Yellow
(\$ per cwt)

Mustard 1CAN - Brown
(\$ per cwt)

Mustard 1CAN - Oriental
(\$ per cwt)

Mustard 1CAN - Yellow



Zoom YTD 1w 1m 1y All

Jan 2020 → Jan 2025



Brown Mustard

Mustard 1CAN - Yellow
(\$ per cwt)

Mustard 1CAN - Brown
(\$ per cwt)

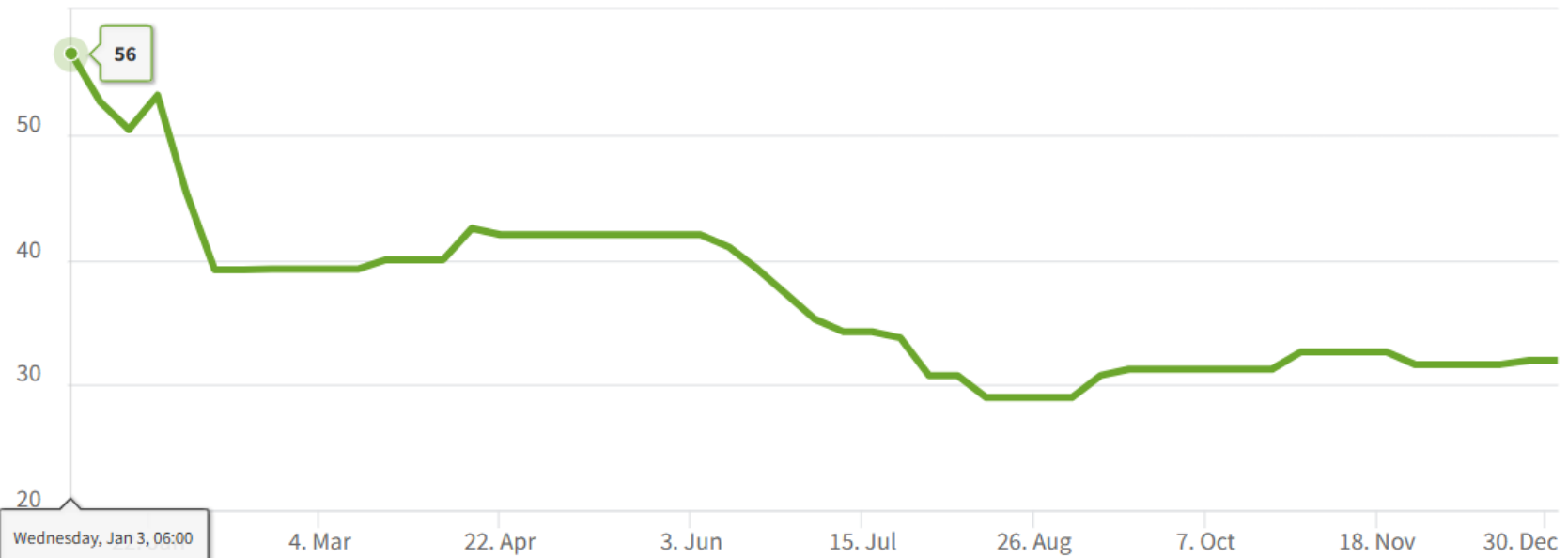
Mustard 1CAN - Oriental
(\$ per cwt)

Mustard 1CAN - Brown



Zoom YTD 1w 1m **1y** All

Jan 2024 → Jan 2025



Brown Mustard

Mustard 1CAN - Yellow
(\$ per cwt)

Mustard 1CAN - Brown
(\$ per cwt)

Mustard 1CAN - Oriental
(\$ per cwt)

Mustard 1CAN - Brown



Zoom YTD 1w 1m 1y All

Jan 2020 → Jan 2025



Oriental Mustard

Mustard 1CAN - Yellow
(\$ per cwt)

Mustard 1CAN - Brown
(\$ per cwt)

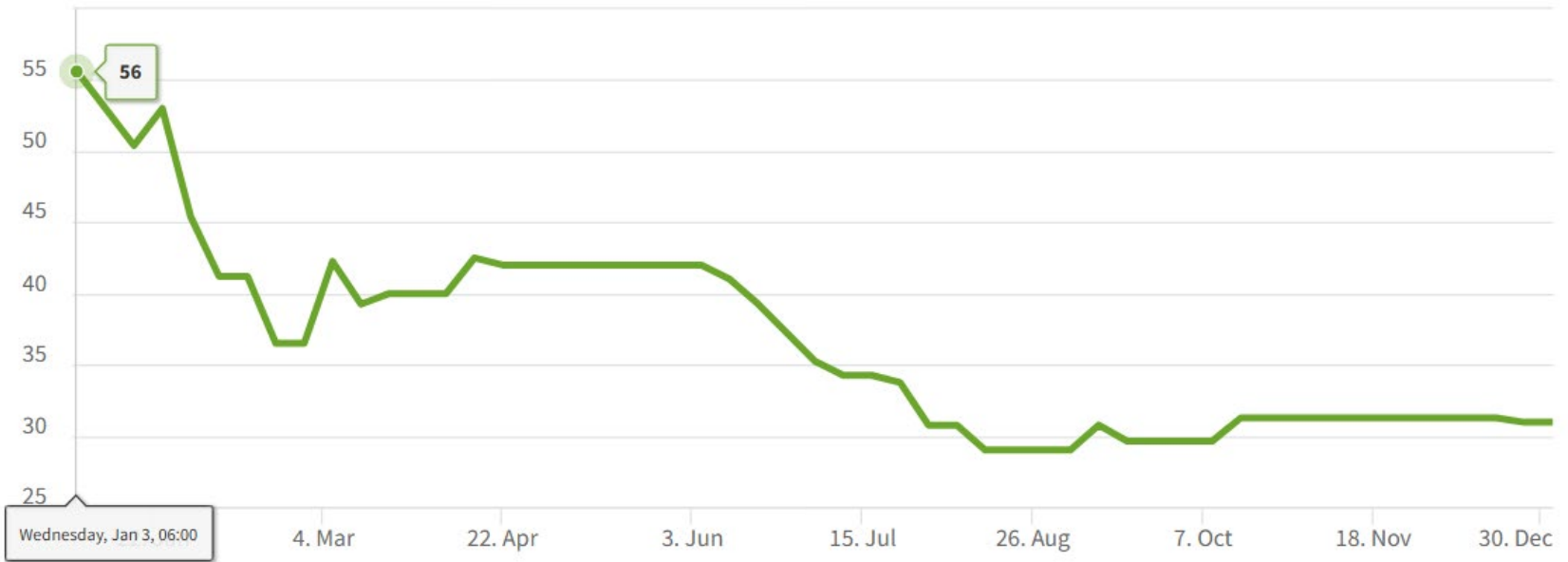
Mustard 1CAN - Oriental
(\$ per cwt)

Mustard 1CAN - Oriental



Zoom YTD 1w 1m **1y** All

Jan 2024 → Jan 2025



Oriental Mustard

Mustard 1CAN - Yellow
(\$ per cwt)

Mustard 1CAN - Brown
(\$ per cwt)

Mustard 1CAN - Oriental
(\$ per cwt)

Mustard 1CAN - Oriental



Zoom YTD 1w 1m 1y All

Jan 2020 → Jan 2025

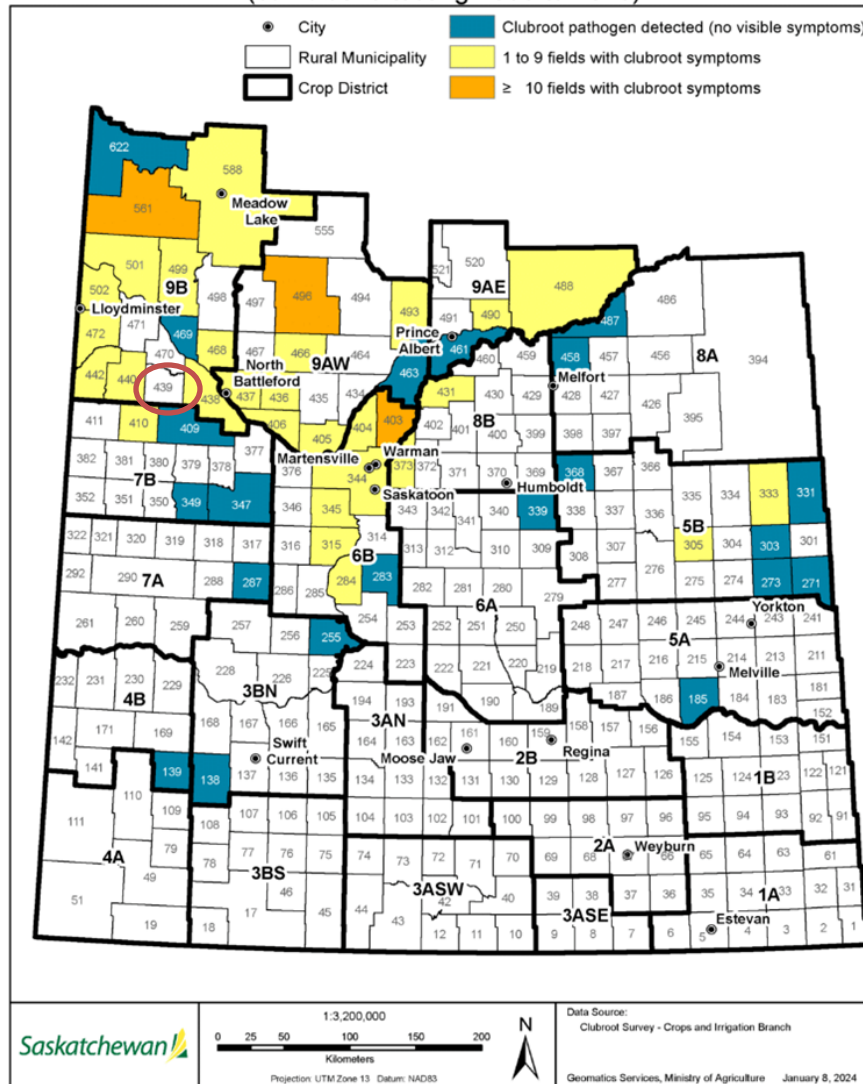


Clubroot

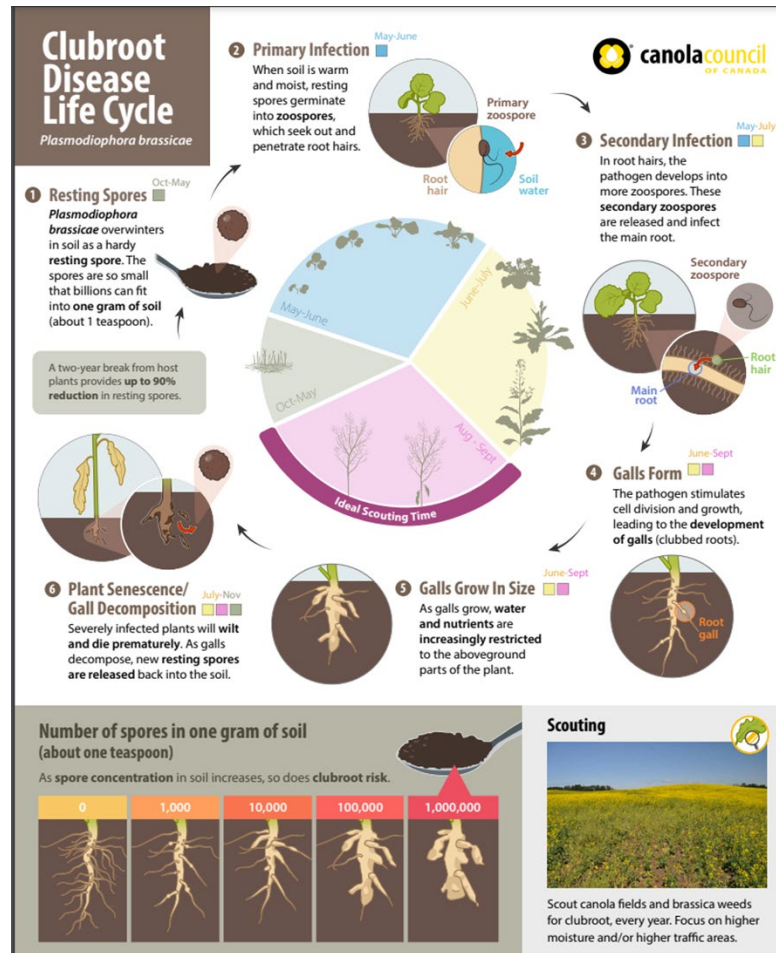
- Soil borne disease
 - Caused by the pathogen *Plasmodiophora brassicae*
- Canola, Mustard, Camelina
 - Stinkweed, shepherd's purse and wild mustard
- Swelling of root tissues causing galls which reduce the plants ability to obtain water and nutrients

Clubroot Distribution Map

Clubroot Distribution in Saskatchewan
(cumulative testing 2008 to 2023)



Disease Life Cycle



Influence of Environment

- Warm soil
- High soil moisture
- Acid soil
 - pH lower than 6.5
 - Disease can still develop in high pH soils

Clubroot – Key Symptoms

Above Ground Symptoms



Caused by: *Plasmodiophora brassicae*

Below Ground Symptoms



- Stunting, yellowing and premature ripening of infected plants may indicate a clubroot patch.
- Examine roots to confirm clubroot diagnosis.

Clubroot – Key Symptoms

Above Ground
Symptoms



Below Ground
Symptoms



Yield Loss from Clubroot

- Dependent on many factors
 - Time of infection
 - Soil moisture
 - Temperature
 - Spore load
 - Soil pH
 - Host genotype
 - Pathogen pathotype

Clubroot Management

- Sampling
- Minimizing soil movement
- Crop Rotation
- Clubroot resistant cultivars
- Direct Seeding

Regulations

- As of June 26, 2024, *The Pest Control Act* has been repealed and replaced with *The Plant Health Act*.
- The new *Act* introduces several changes, including the deregulating of certain pests such as **clubroot** and endemic species to the province like Richardson's ground squirrel, grasshoppers and the warble fly.
- The Ministry is still fully committed to supporting surveillance, research and extension activities.

What does this change?

- Previously, a positive test through our disease surveys would have to be reported to the RM.
- This made producers feel uncomfortable and permission was getting very hard to obtain.
- The stigma that they would be blamed for bringing clubroot into the RM or that everyone would know and their land values would decrease

Going Forward

- Results from clubroot testing will be confidential.
- Producers are still able to work with the Ministry to create a management plan.
- Clubroot will continue to be monitored by the Ministry.

Provincial Specialist, Oilseed Crops

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