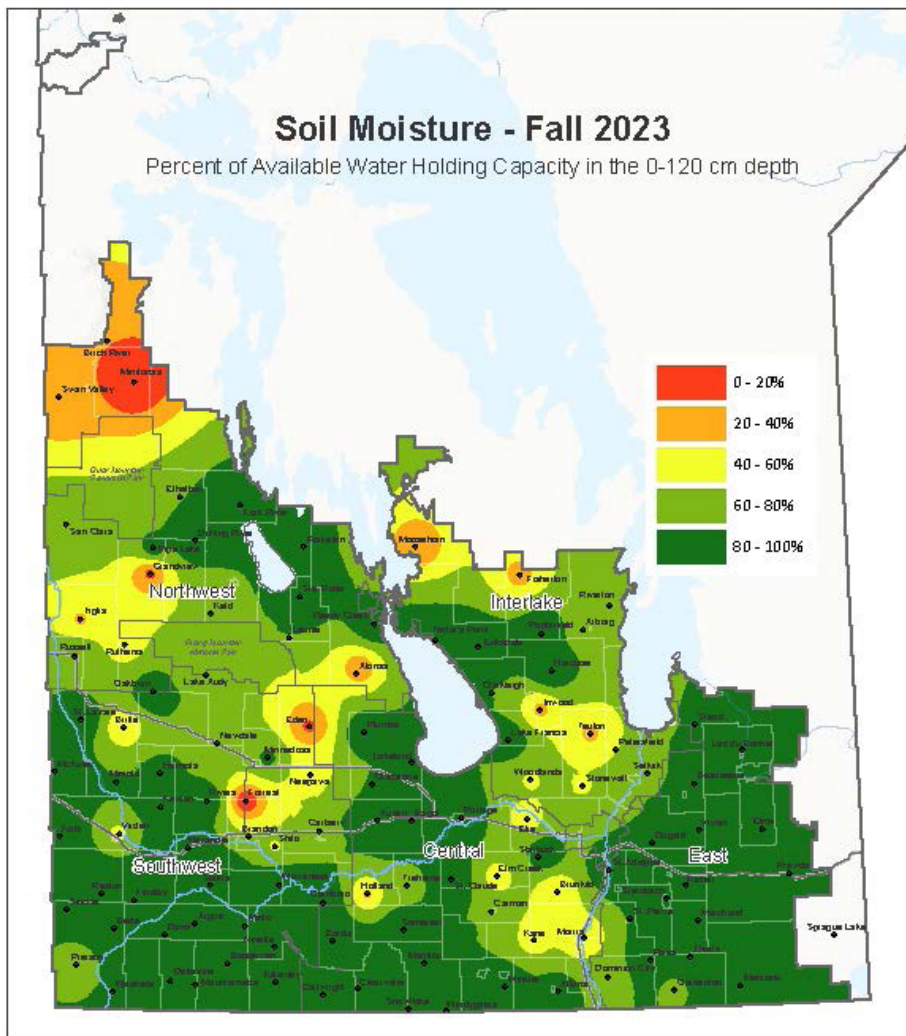




**MANITOBA
CROP
ALLIANCE**

HERBICIDE RECROPPING RESTRICTIONS

The 2023 growing season had very little precipitation accumulation across the province. September and October did see precipitation events that improved soil conditions and soil moisture. In late October 2023, the Available Water Holding Capacity was measured from 0 – 120 cm depth in over 100 locations across Manitoba to develop the map below. While most of the province was experiencing at or slightly below water holding capacity, there are areas that were significantly drier. Despite late season precipitation, there still may be concern with herbicide carryover for spring 2024, especially in those dry areas, and it is best to become familiar with recropping restrictions in each commodity.



Re-cropping restrictions are implemented to prevent crop damage following applications of residual herbicides. This table is a guide for sunflower producers to identify any fields that should not be planted to the crop in a specific time frame, following the application of the correlating herbicide. If tank mixes were applied, the most restrictive guidelines should be followed.

More information on soil residual herbicides can be found on page 94 of the [Guide to Field Crop Protection 2024](#).

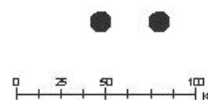
NOTE: Herbicide residue breakdown occurs through several processes in and on the soil. Chemical reactions, soil microbes and leaching are just a few methods of breakdown and are strongly favoured by warm, moist soil conditions (not achieved during spring thaw). If the applied field did not receive adequate precipitation during the growing season, the herbicide residual will remain, requiring re-cropping restrictions to be lengthened. Contact the associated company for more information and recommendations.

Continues on next page »

Figure: Manitoba Fall Soil Moisture Survey via Manitoba Agriculture: Percent of Available Water Holding Capacity in the 0 – 120 cm Depth. <https://www.gov.mb.ca/agriculture/environment/soil-management/manitoba-fall-soil-moisture-survey.html>



Prepared by Manitoba Agriculture, Ag-Weather Program
This map represents soil moisture values measured by sensors buried at 5, 20, 50, and 100 cm at over 100 sites across Manitoba.
Soil properties e.g. bulk density, yield capacity & wilting point were estimated for each soil based on their physical characteristics.
The amount of available water held by the soil will vary based on soil properties such as texture, organic matter and bulk density.
Map provides a regional estimation based on weather observations from the Ag-Weather Program weather stations and should be supplemented by site-specific considerations for specific local areas, fields and soils.
The accuracy of this map may vary due to data availability and potential data errors.
For more information, contact your local Manitoba Agriculture office.



SUNFLOWER





Product	Company	Recropping Restrictions for Sunflowers
Aatrex, Primextra II Magnum	Syngenta Canada	2 years
Altitude FX3	BASF Canada	1 year**
Ares SN	Corteva Agriscience	2 years
Bromoxynil/MCPA/Fluroxypyr		2 years
Callisto 480 SC	Syngenta Canada	NR+
Certitude	BASF Canada	NR+
Clomazone		2 years
Clopyralid		NR+
Dicamba		2 years+
Dicamba/Fluroxypyr		2 years
Enforcer D	Nufarm Agriculture	NR+
Express FX	FMC Corporation	NR+
Fierce	Valent Canada/Nufarm Agriculture	NR+
Florasulam		1 year*
Fluroxypyr		1 year*
Heat Brands	BASF Canada	NR+
Imazamox/Imazethapyr		2 years*
Imazethapyr		NR+
Laudis	Bayer	NR+
Metribuzin		NR+
Metsulfuron		1 year**
Olympus	Bayer	NR+
Option 2.25 OD	Bayer	NR+
Permit WG	Gowan Canada	2 years
Predicade	FMC Corporation	2 years
Prominex	Corteva Agriscience	NR+
Reflex	Syngenta Canada	NR+
Signal FSU	Nufarm Agriculture	2 years
Smoulder	BASF Canada	NR+
Thifen:Triben (2:1) + fluroxypyr		2 years
Topramezone		1 year**
Travallas	FMC Corporation	NR+
TraxosTwo	Syngenta Canada	2 years

1 year: Can be safely grown the growing season following application.
2 years: Can safely be grown 2 growing seasons following application.
NR+: No recropping restrictions indicated for sunflowers; farmer should conduct a field bio-assay to ensure crop safety and contact the company for more information.

***:** May not be supported for all products; refer to product label for details.
****:** May be longer depending on use rates, region, soil type, environment, time of application and crop variety.
*****:** May be less depending on use rates.

DISCLAIMER: The recropping intervals listed may not be sufficient to prevent crop injury during periods of below average precipitation. The information provided is only a guide, Manitoba Crop Alliance is not liable for any decisions made based on this information. Always refer to the product label for application details and precautions.

REFERENCES: Guide to Field Crop Protection, Manitoba Agriculture and Resource Development, 2024



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