



**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.

Recropping restrictions are implemented to prevent crop damage following applications of residual herbicides. The following table is a guide for corn 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.

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

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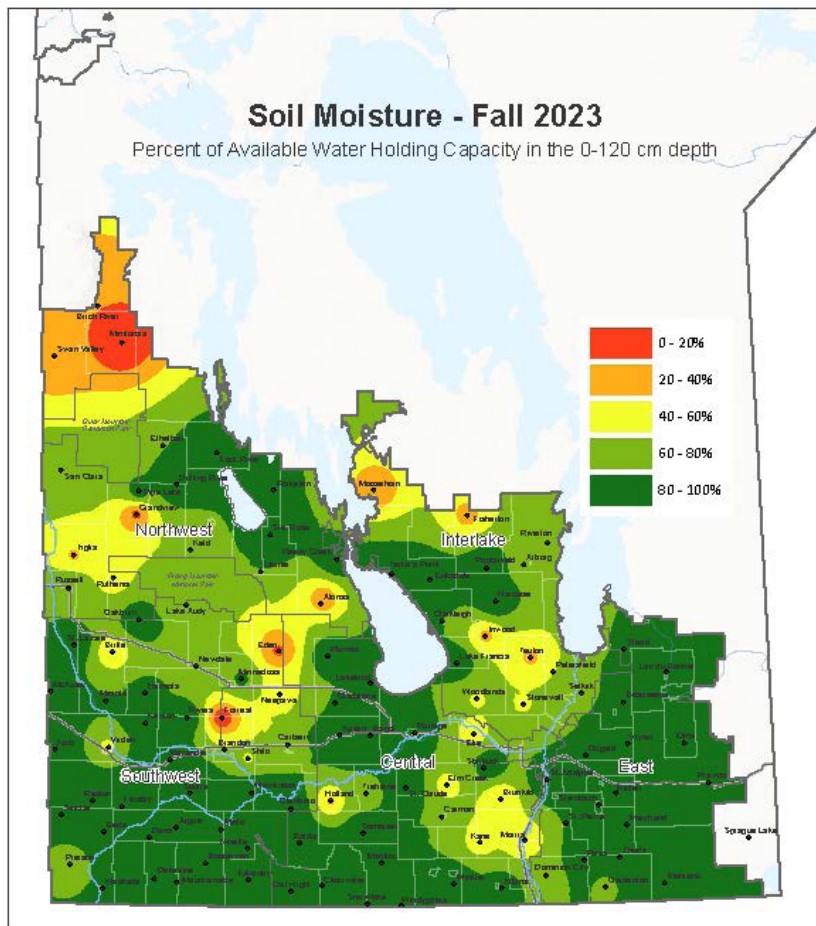


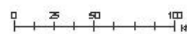
Figure 1: Manitoba Fall Soil Moisture Survey via Manitoba Agriculture: Percent of Available Water Holding Capacity in the 0 – 120 cm Depth. <https://www.gov.mb.ca/agriculture/environment/soil-management/Images/2023-sms-pawhc-rz-0-120cm.jpg>



Figure 2: Reflex (fomesafen) herbicide carryover damage in corn plant.



Prepared by Manitoba Agriculture, Ag-Weather Program
This map represents soil moisture values measured by sensors buried at 5, 20, 50, and 100 cm all over 100 sites across Manitoba.
Soil properties (e.g. bulk density, field 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.



CORN





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.

Product	Company	Recropping Restrictions for Corn
Altitude FX3	BASF Canada	1 year**
Bromoxynil/MCPA/Fluroxypyr		2 years
Clopyralid		NR+
Dicamba/Fluroxypyr		2 years
Distinct	BASF Canada	30 days
Enforcer D	Nur	NR+
Exhilarate		NR+
Fierce	Valent Canada/Nufarm Agriculture	7 days
Flexstar GT	Syngenta Canada	10 months** (RRV only)
Florasulam		1 year*
Flucarbazone		NR+
Fluroxypyr		1 year*
Imazamox/Imazethapyr		1 year*
Imazethapyr		NR+
Metsulfuron		1 year**
Muster	FMC Corporation	2 years+
Olympus	Bayer	NR+
Permit WG	Gowan Canada	30 days
Quinclorac		NR+
Rexade	Corteva Agriscience	NR+
Signal FSU	Nufarm Agriculture	2 years
Thifen:triben (2:1) + fluroxypyr		2 years
Trifluralin		1 year**

NR: May be planted or replanted the year of application. No recropping restrictions.

NR+: No re-cropping restrictions indicated for field corn; 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.

+: Farmer should conduct a bio-assay to ensure crop safety and contact the company for more information

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

