

# CWSS MB Provincial Report

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Kim Brown

Provincial Weeds Specialist

[Kim.brown@gov.mb.ca](mailto:Kim.brown@gov.mb.ca)

431-344-0239



# Weather/Crop Report

- Slow start to the crop year but then dry conditions allowed seeding to catch up and finish on par with long term average
- Rainfall was extremely variable and areas that received timely rains had better yields
- Hot dry weather led to challenging spraying conditions, but in general weed control was good
- Late season rains led to weed flushes post-herbicide application
  - Pigweeds
  - Barnyard grass
  - Lambs quarters

- Increased heat accumulation led to earlier maturity and harvest (2 weeks)
- Lots of time for fall weed control, either tillage or herbicide or both
- Fairly dry conditions, need good snowfall and rains for next season to replenish soil moisture

# Legislation

- Noxious Weeds Act
  - [C.C.S.M. c. N110 \(gov.mb.ca\)](http://gov.mb.ca)
  - Corresponding regulation
  - One of oldest pieces of legislation in MB, revamped in 2017
  - Three Tiers of weeds
    - Tier 1 weeds are rare and isolated, or not yet present in MB
    - Tier 1 weeds must be destroyed

# Pigweed species

- *Amaranthus tuberculatus*, *A. palmeri*, *A. hybridus* are designated Tier 1 weeds
- Increased detection of waterhemp and hybrids in south-central, eastern MB with new detections being found north and west
- DNA testing
  - Pest Surveillance Initiative lab, now owned by MB Canola Growers Association
  - Turnkey Genomics in ON
- Resistance testing indicates combination of Groups 2, 9, 14

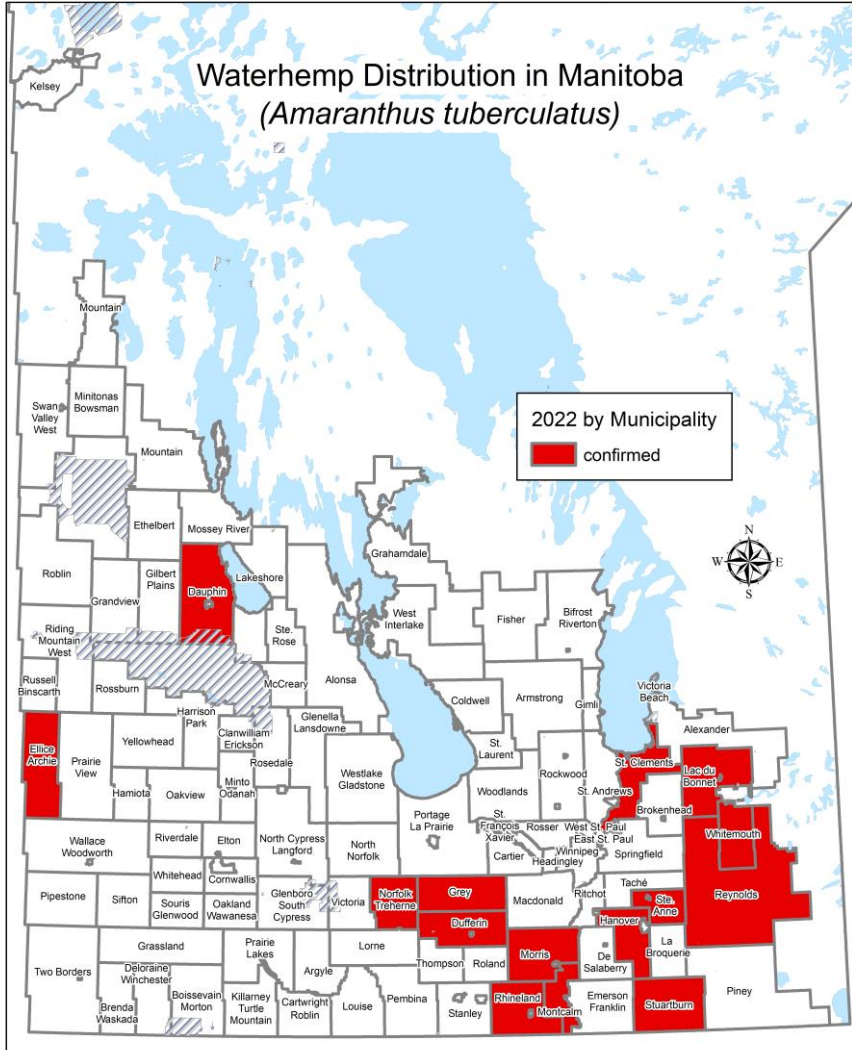




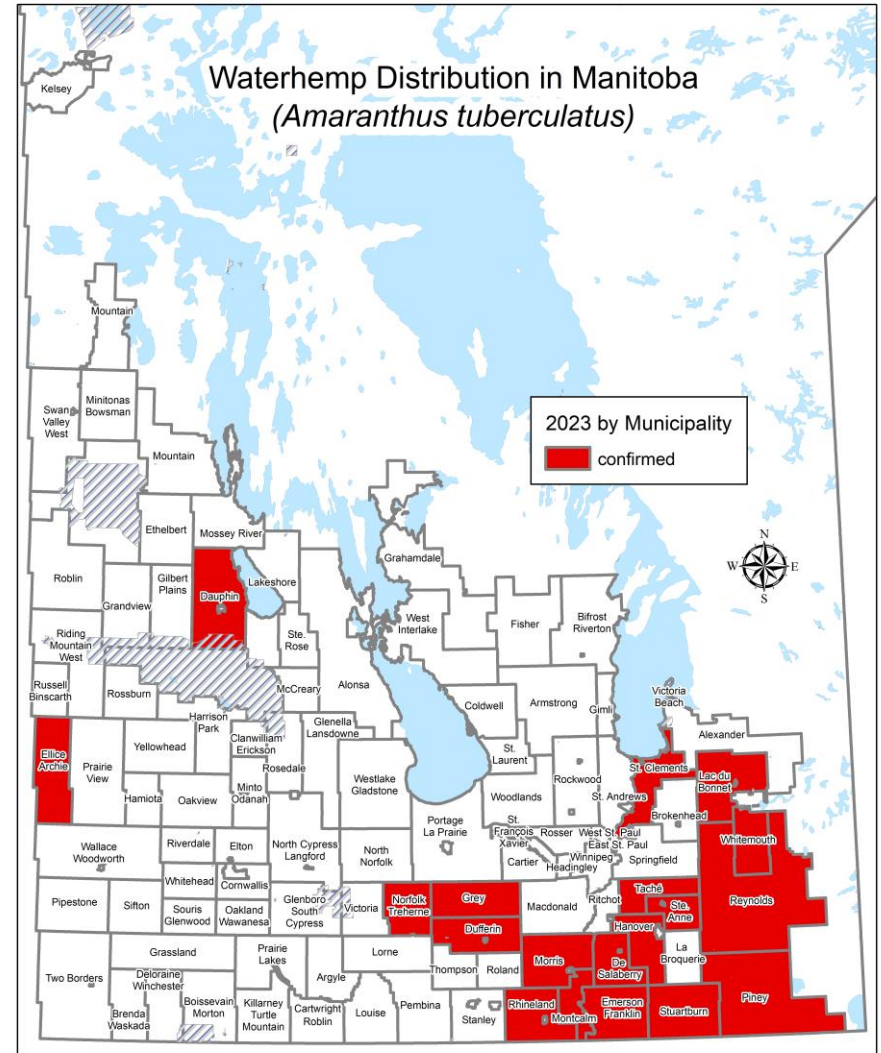








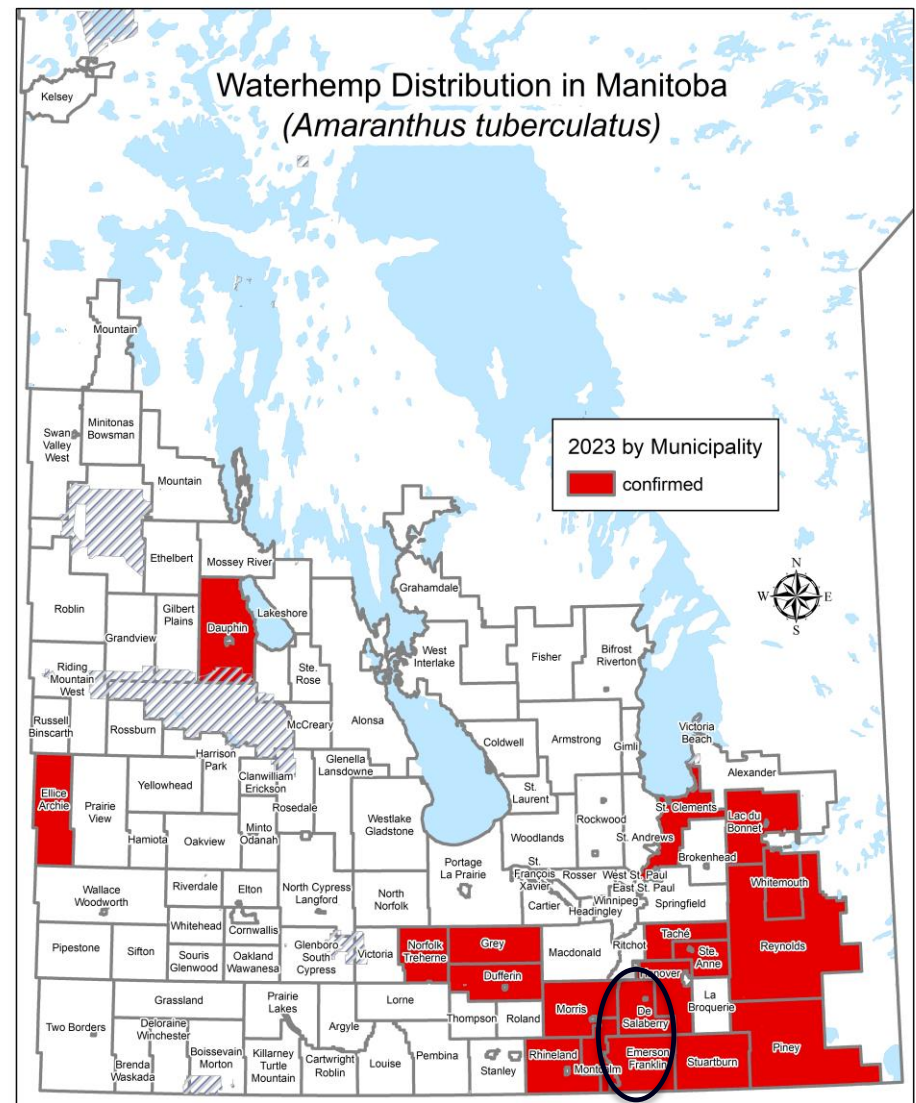
Author: Manitoba Agriculture  
Source: MB Ag Confirmation  
Date: November 30, 2022



Author: Manitoba Agriculture  
Source: MB Ag Confirmation  
Date: October 17, 2023

# Waterhemp

- Now in 20 RM's
- Hot spots in de Salaberry and Emerson-Franklin
- Red River flooding in past years
- Downgrade to Tier 2 in these RM's



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# Crops vulnerable to waterhemp infestations

- Soybeans
  - Wide row
  - Sprayed with glyphosate only, still a common practice
- Corn
  - Producers starting to use more pre- and in-crop tank mixes, depending on area of province
- Sunflowers
  - Wide row
  - Majority are Group 2-resistant varieties
- Dry beans
  - Wide row
  - Limited herbicide options
- CL and RR canola
- Thin, less competitive wheat crops
  - Late flushes of waterhemp

## Other Tier 1's

- Red Bartsia
  - La Broquerie
  - Downgrade to Tier 2 here
- Hounds' tongue
  - A couple pastures in Argyle
  - Discovered 2 years ago and keeps popping up