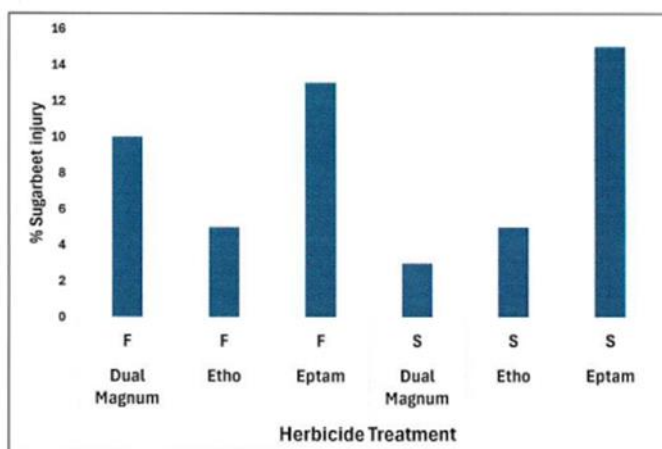


Fall Herbicide Ag Beet

Waterhemp management is becoming increasingly difficult in sugar beets. In the past few seasons, growers have asked about the effectiveness of fall herbicide applications on fields that will be planted to sugar beets the following season. This Ag Beet will provide information on the best application practices for the use of fall-applied herbicides for sugar beet production. **Consult the product labels for application specifications.**

Dr. Tom Peters (NDSU and U of MN Sugar Beet Specialist) and David Mettler have conducted fall herbicide trials to compare the effectiveness of several herbicides applied both in the fall and spring on waterhemp. The herbicides included in the trials include: Eptam, Dual Magnum, and ethofumesate.

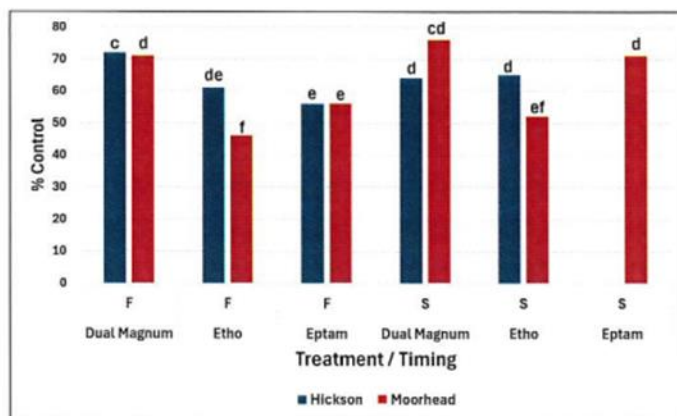
Sugarbeet injury tended to be greater with Eptam in the fall and spring, 29 DAP, Renville MN 2025.^a



^atreatments non-significant at the 0.10 level. All treatments contained 2-times Roundup PowerMax3 mixed with ethofumesate at the 2- and 6-lf stage.

Figure 1: Sugar beet injury following fall and spring herbicide applications.

Waterhemp control in response to soil residual herbicide, Moorhead MN and Hickson ND, 2025.^a



^atreatments sharing the same letter are the same at the 0.10 level. All treatments contained 2-times Roundup PowerMax3 mixed with ethofumesate at the 2- and 6-lf stage.

Figure 2: Waterhemp control at Moorhead, MN and Hickson, ND.

Best Management Practices for Fall Herbicide Applications

- Dual Magnum
 - Make application in the late fall before soils freeze.
 - Be aware of field roughness. We do not want to bury the product too deep with spring tillage.
 - Rainfall is the preferred method to incorporate the product into the top 1" of soil.
 - Be sure to fill out the indemnification at <https://www.syngenta-us.com/labels/indemnified-label-login>
- Eptam
 - Make the application in the late fall before soils freeze.
 - Be aware of the field roughness. We do not want to bury the product too deep with the incorporation pass.
 - Eptam requires immediate incorporation into the top 1-2" of soil.
- Ethofumesate
 - Fall applications of ethofumesate did not perform as consistently as fall applications of Eptam or Dual Magnum.
 - The current recommendation would be to apply ethofumesate in the spring and not in the fall.

Recommendations

- For fall herbicide applications:
 - Dual Magnum at 2 pints/acre
 - Eptam at 5 pints/acre with immediate incorporation.
- For spring applications:
 - Eptam + Roneet at 2 + 2 lbs. per acre with one pass of incorporation conducted immediately.
 - Dual Magnum (8-12 ounces/acre) + ethofumesate (2-4 pints/acre)
- A spring layby program is required with either program.

The information contained in this Ag Beet is meant to provide information regarding fall herbicide applications to your 2026 sugar beet fields. However, it can not provide all the details for every application. **Consult your agriculturist and the product label** for additional information.



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