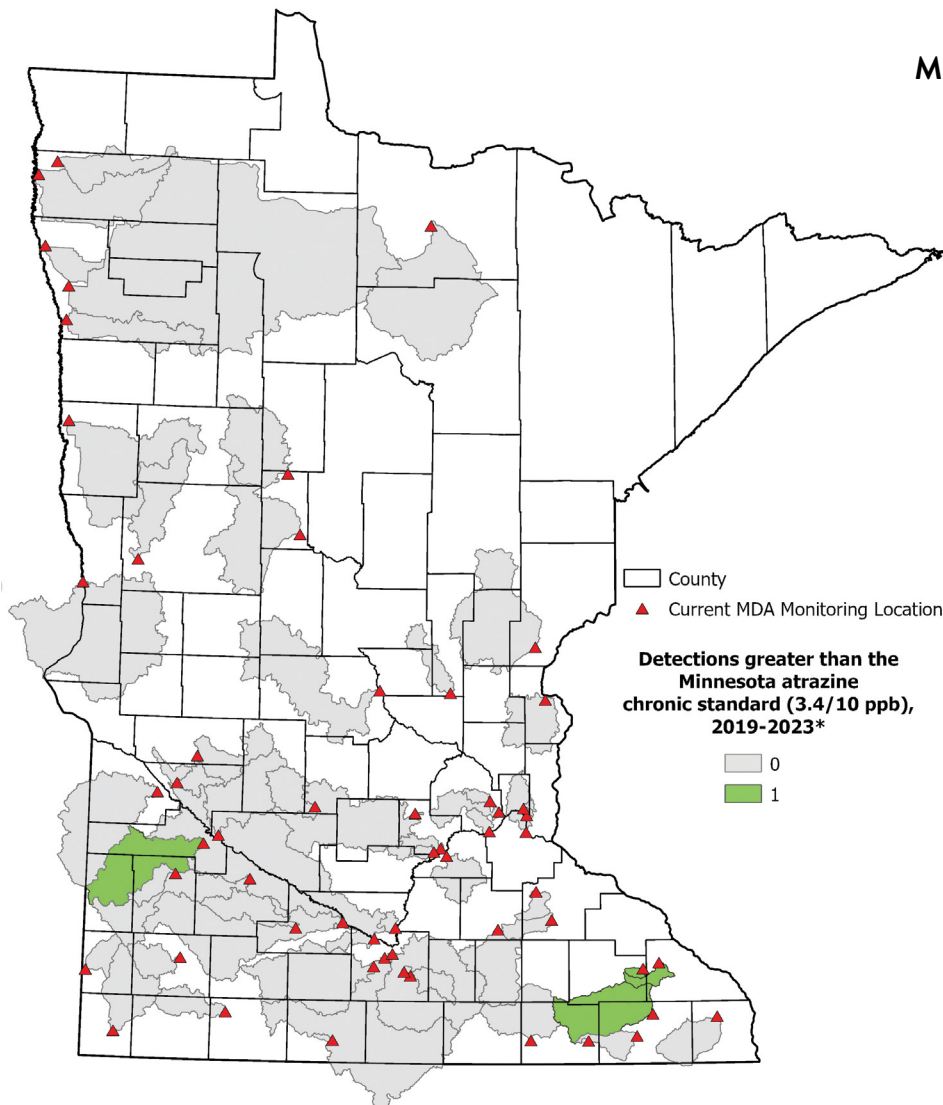


Surface Water Pesticide of Concern

ATRAZINE HERBICIDE

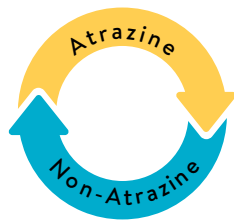
Common atrazine products: Aatrex, Acuron, Callisto Xtra, Confidence Xtra (*No discrimination is intended, and no endorsement is implied*).

- Atrazine was designated as “Surface Water Pesticide of Concern” by the Commissioner of Agriculture in 2002. A Surface Water Pesticide of Concern status starts the development and promotion of voluntary best management practices and may result in additional monitoring.
- Atrazine has been detected in some rivers and streams at concentrations above Minnesota water quality standards (see map below).
- High atrazine levels in rivers and streams can harm aquatic organisms, including plants, and disrupt aquatic ecosystems.
- High atrazine detections typically occur in June following early season application and rain events that cause surface runoff.



*Map shows atrazine detections with a concentration above the numeric chronic standards (3.4/10 ppb) but does not account for the duration component of the standards. An exceedance of the chronic standard requires a concentration over the standard over a 4-day period.

Key Water Quality Best Management Practices (BMPs) for Atrazine



Rotate atrazine with non-atrazine Group 5 herbicides or other herbicides with different sites-of-action year to year and within the season.



Follow label-required application setback distances. For example, do not apply **66 feet** from points where field runoff enters streams or rivers and within **200 feet** of lakes and reservoirs.

**Coarse
Soils**

$\leq 0.8 \text{ lbs a.i./A/Yr}$

**Medium &
Fine Soils**

$\leq 1.0 \text{ lbs a.i./A/Yr}$

Limit application to 0.8 lbs of atrazine active ingredient (a.i.) per acre per year on coarse soils (common in central Minnesota) or 1.0 lbs of a.i. per acre per year on medium and fine soils (common in southeast Minnesota). Use premixes and tank mixes to help manage application rates.



Avoid applying atrazine before rain events that could cause runoff, especially if rainfall is expected within 48 hours.



Adopt practices like conservation tillage, cover crops, and vegetative filter strips to reduce atrazine loss through soil erosion and runoff.



Scan the QR Code to see the full list of atrazine BMPs. For more information, contact the Minnesota Department of Agriculture at ptu.mda@state.mn.us.

In accordance with the Americans with Disabilities Act, this information is available in alternative forms of communication upon request by calling 651-201-6000. TTY users can call the Minnesota Relay Service at 711. The MDA is an equal opportunity employer and provider. 03.06.25