

# Proposed Groundwater Standards

Wis. Admin. Code NR 140  
Cycle 11



## Chlorantraniliprole

### How is it used in Wisconsin?

Chlorantraniliprole is an insecticide that acts by interrupting normal muscle contraction. Agricultural uses include spraying the leaves of potatoes, pome and stone fruit, and leafy cucurbit (gourd family) vegetables. Chlorantraniliprole can also be applied to aesthetic and recreational landscapes, turf grass settings, as well as home and lawns. It was first registered by the U.S. Environmental Protection Agency in 2008.

### What are some products that contain this substance?

Chlorantraniliprole is registered in Wisconsin for use in 60 products. Some common products that use chlorantraniliprole include Besiege, Coragen, Altacor, and Award Turf Fertilizer.

### Who manufactures this substance?

The original manufacturer is DuPont de Nemours, but it is also manufactured by FMC Corporation, Syngenta, Eau Claire Co-op Oil Company, and Lebanon Seaboard Corporation.

### Why has this substance been recommended for establishment of groundwater standards?

There is currently no standard for chlorantraniliprole in Wisconsin. The Wisconsin Department of Agriculture, Trade and Consumer Protection (DATCP) has tested for it since 2016. As of November 2021 chlorantraniliprole was detected in:

- 48 of 1,284 private well samples, and
- 152 out of 596 field edge monitoring well samples.

A standard will help homeowners and state agencies make decisions about future water use and potential public health concerns.

### What are the proposed standards?

- Enforcement standard: 16 mg/L (milligrams per liter)
- Preventive action limit standard: 3.2 mg/L

### Has this substance been detected above the proposed groundwater standards?

No. Since 2016 it has not been detected above the proposed enforcement standard or preventive action limit in any samples collected by DATCP. The highest concentration of chlorantraniliprole detected in a private well sample collected by DATCP was 1.04 µg/L. It was detected at concentrations between 0.0513 and 2.83 µg/L in 152 field edge monitoring well samples collected by DATCP.

### Where can I find more information?

- Health-based standards:  
<https://www.dhs.wisconsin.gov/water/gws.htm>
- NR 140 rule process:  
<https://dnr.wi.gov/topic/Groundwater/NR140.html>

### Who do I contact for questions?

DATCP Groundwater Specialist  
(608) 224-4503  
[datcpgw@wisconsin.gov](mailto:datcpgw@wisconsin.gov)

*This fact sheet provides general information for this pesticide ingredient. A groundwater quality standard has been proposed for this substance in accordance with state law (Wis. Stat. § 160).*

