PEI Pesticide Monitoring Program
Detections and safe Drinking Water Limits

The Following charts show the various pesticide compounds that were detected as part of the drinking water sampling program for pesticides. Each chart shows the average value of the detections for each sampling year in green with the respective safe drinking water limit displayed as a red line.


Safe Drinking Water Limit

Safe Drinking Water Limit

Concentration (ng/ml)

Canadian Drinking Water Quality Guideline Value (20 ng/ml)

Average Value of Detections (ng/ml)

Concentration (ng/ml)


Safe Drinking Water Limit

Average Value of Detections (ng/ml)
Canadian Drinking Water Quality Guideline Value (90 ng/ml)


Concentration (ng/ml)


Safe Drinking Water Limit

Average Value of Detections (ng/ml)
Canadian Drinking Water Quality Guideline Value (90 ng/ml)

Safe Drinking Water Limit

Concentration (ng/ml)

Average Value of Detections (ng/ml)

Health Canada Guidance Value (15,000 ng/ml)


Safe Drinking Water Limit

Health Canada Guidance Value (70 ng/ml)

Safe Drinking Water Limit

Concentration (ng/ml)

Canadian Drinking Water Quality Guideline Value (20 ng/ml)

Average Value of Detections (ng/ml)
Fludioxonil Detections (2009-2017)

Safe Drinking Water Limit

Average Value of Detections (ng/ml)

USEPA Human health Benchmarks for Pesticides (200 ng/ml)

Safe Drinking Water Limit

Concentration (ng/ml)

Average Value of Detections (ng/ml)

Canadian Drinking Water Quality Guideline Value (280 ng/ml)

Safe Drinking Water Limit

Concentration (ng/ml)

Average Value of Detections (ng/ml)  Australian Drinking Water Guidelines (400 ng/ml)

Safe Drinking Water Limit

Concentration (ng/ml)

Average Value of Detections (ng/ml)

Health Canada Guidance Value (426 ng/ml)

**Safe Drinking Water Limit**

<table>
<thead>
<tr>
<th>Year</th>
<th>Average Value of Detections (ng/ml)</th>
<th>Health Canada Guidance Value (501 ng/ml)</th>
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Safe Drinking Water Limit

Concentration (ng/ml)

Canadian Drinking Water Quality Guideline Value (80 ng/ml)

Average Value of Detections (ng/ml)

Safe Drinking Water Limit

Concentration (ng/ml)

Average Value of Detections (ng/ml)
Canadian Drinking Water Quality Guideline Value (2 ng/ml)

Safe Drinking Water Limit

Concentration (ng/ml)

Australian Drinking Water Guidelines (200 ng/ml)

Average Value of Detections (ng/ml)

Safe Drinking Water Limit

Average Value of Detections (ng/ml)

USEPA Human health Benchmarks for Pesticides (210 ng/ml)
**Thiamethoxam Detections (2009-2017)**

- **Safe Drinking Water Limit**: 6 ng/ml

The graph shows the concentration of Thiamethoxam detections (in ng/ml) from 2009-2017. The average value of detections for each year is represented by a bar, while the Health Canada Guidance Value (6 ng/ml) is indicated by a red line. The concentrations range from 0.03 to 0.08 ng/ml.

Safe Drinking Water Limit

Average Value of Detections (ng/ml) vs Australian Drinking Water Guidelines (90 ng/ml)

Concentration (ng/ml)