

Air and Surface Sampling in a Mead Home

September, 2021

Sampling by Chandran Achutan, Ph.D.

Eleanor G. Rogan, PhD

Professor and Chair

College of Public Health

University of Nebraska Medical Center

June 16, 2022

Mead Townhall Meeting

Table 1. Levels of neonicotinoids in air (mg/m³) at a resident's home in Mead, NE		
<i>Pollutant</i>	<i>Outside</i>	<i>Inside</i>
6-chloronicotinic acid	Not detected	0.37
Clothianidin	121.23	59.08
Imidacloprid	0.62	103.18
Imidacloprid desnitro	Not detected	2.67
Imidacloprid urea	Not detected	2.67
Thiacloprid	3.69	Not detected
Thiamethoxam	14.46	7.59

Pollutant	Top of Cabinet	Entry Door	Porch Wall	Field Blank
Acetamiprid	0.59	Not detected	Not detected	Not detected
Azoxystrobin	0.11	0.33	2.90	0.06
Clothianidin	12.29	1.52	8.57	Not detected
Dinotefuran	0.66	Not detected	Not detected	Not detected
Imidacloprid	407.59	8.18	0.26	1.13
Imidacloprid desnitro	9.61	0.22	0.08	Not detected
Imidacloprid olefin	4.56	Not detected	Not detected	Not detected
Imidacloprid urea	8.89	0.19	Not detected	Not detected
<u>Metalaxyl</u>	Not detected	Not detected	0.13	Not detected
<u>Pyraclostrobin</u>	0.02	Not detected	1.45	Not detected
Thiacloprid	Not detected	Not detected	Not detected	0.04
Thiamethoxam	1.14	0.44	0.56	Not detected
Thiamethoxam urea	0.36	0.30	0.36	Not detected
<u>Trifloxystrobin</u>	Not detected	Not detected	0.26	Not detected



UNMCSM

BREAKTHROUGHS FOR LIFE.[®]



UNIVERSITY OF
Nebraska
Medical Center