

Maine CDC's Role in the State's PFAS Response

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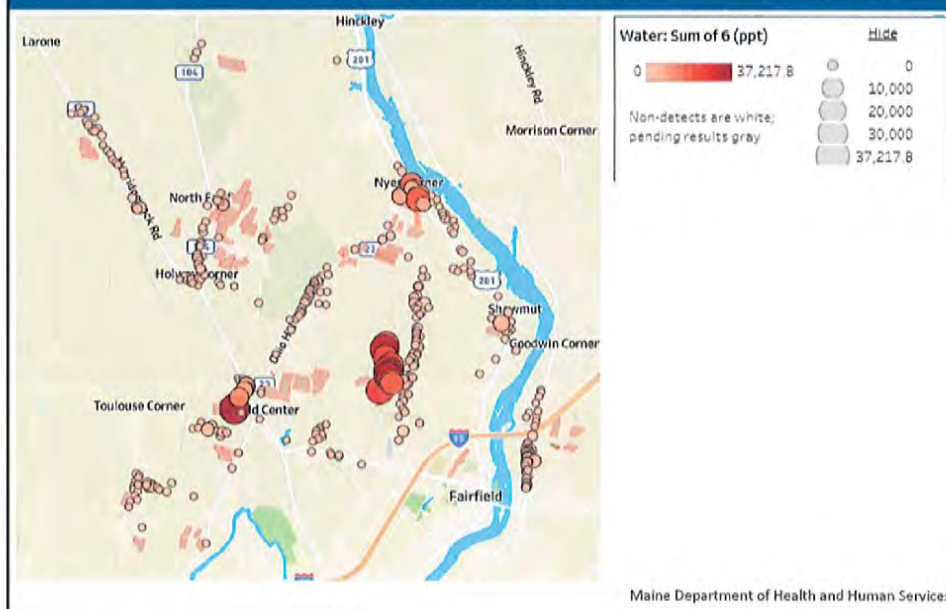
Briefing for the Environmental and Natural Resources
Committee

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Responding to Families with High PFAS Well Water

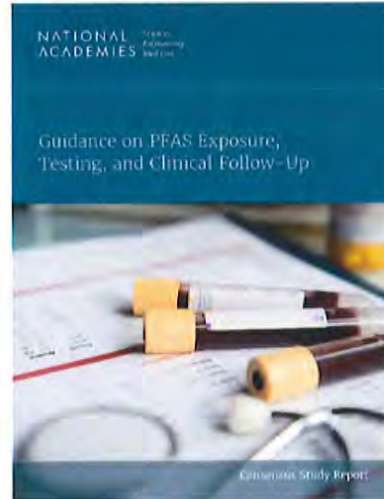


2

New Recommendations on PFAS Blood Testing and Health Monitoring

Recommendations for:

- Health effects of PFAS based on weight of evidence
- When clinicians should offer blood testing for PFAS
- Health monitoring based on PFAS blood levels
- Frequency of repeat testing for PFAS with a long half-life
- Improvements to the public health response to PFAS exposure



Source: <https://www.nationalacademies.org/our-work/guidance-on-pfas-testing-and-health-outcomes>

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Sufficient Evidence for a Link between PFAS Exposure and Health Effects

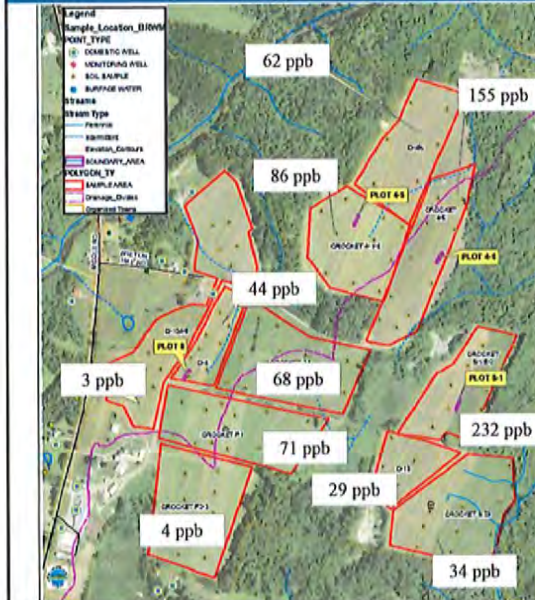
- Increased cholesterol levels
- Decreased vaccine response
- Decreased infant and fetal growth
- Increased risk of kidney cancer



Source: <https://www.nationalacademies.org/our-work/guidance-on-pfas-testing-and-health-outcomes>

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How much is too much PFAS in Soils of Farm Fields



PFOS soil levels can vary a lot even among fields on the same farm.

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How much is too much PFOS in soil used for growing forage for dairy cows?




Soil → Hay/Corn → Cow → Milk → Child

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Hay PFAS Uptake Studies




The image contains four photographs related to hay PFAS uptake studies. The largest photo on the left shows a group of people in a green field under a blue sky with clouds. To the right, there are three smaller photos: the top one shows green hay stalks; the middle one shows a person using a blue tool to cut hay; the bottom one shows a vertical stack of hay bales.

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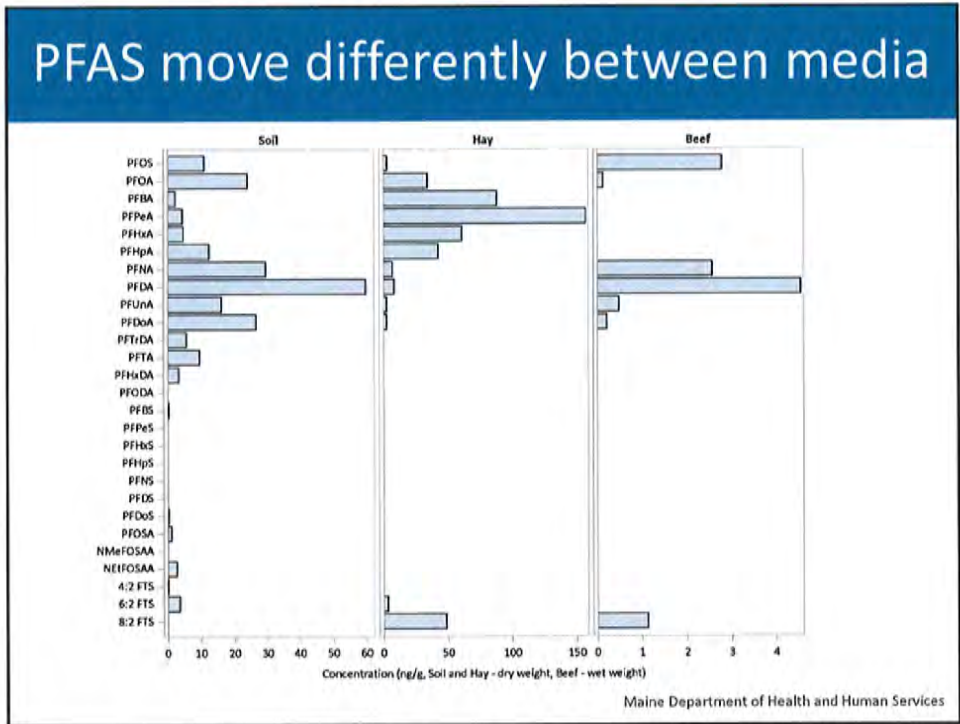
Corn PFAS Uptake Studies



The image contains four photographs related to corn PFAS uptake studies. The largest photo on the left shows a cornfield with tall stalks. To the right, there are three smaller photos: the top one shows a blue container and tools on a grey tarp with corn cobs; the middle one shows a close-up of soil and corn roots; the bottom one shows a white bag containing a dark, granular substance.

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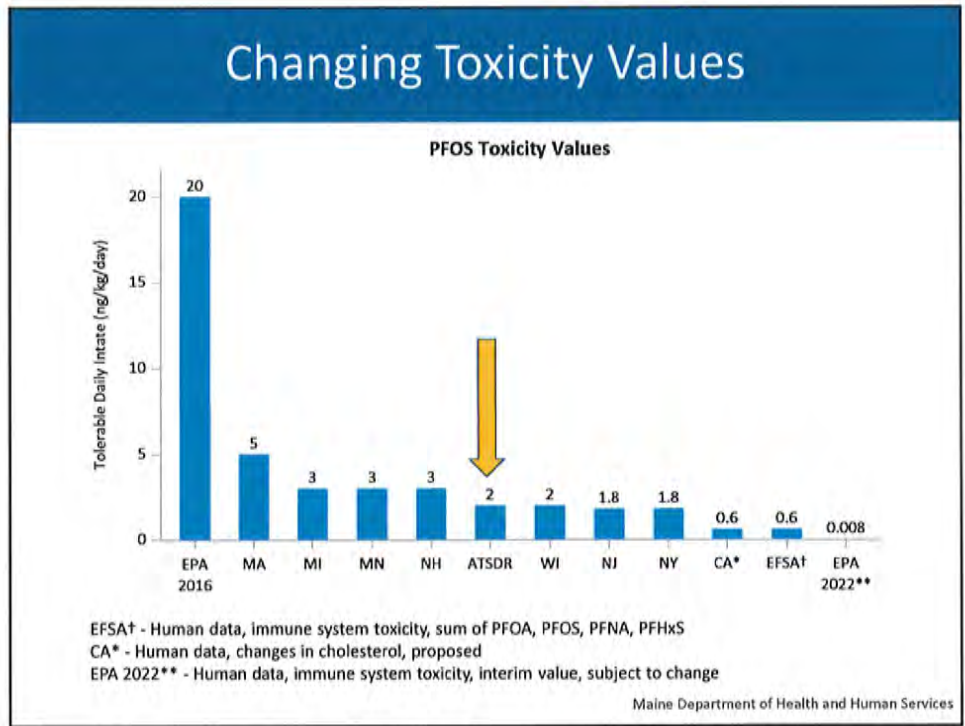
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How much is too much PFAS in food?

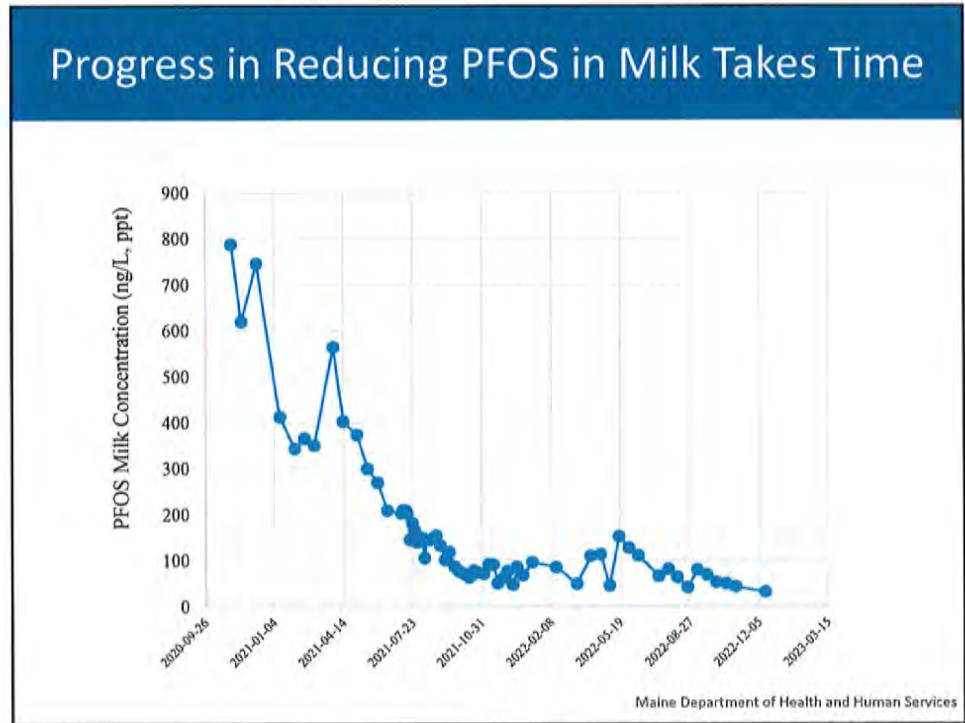
$$\frac{\text{Toxicity Value}}{\text{Consumption Rate}} = \text{Action Level}$$

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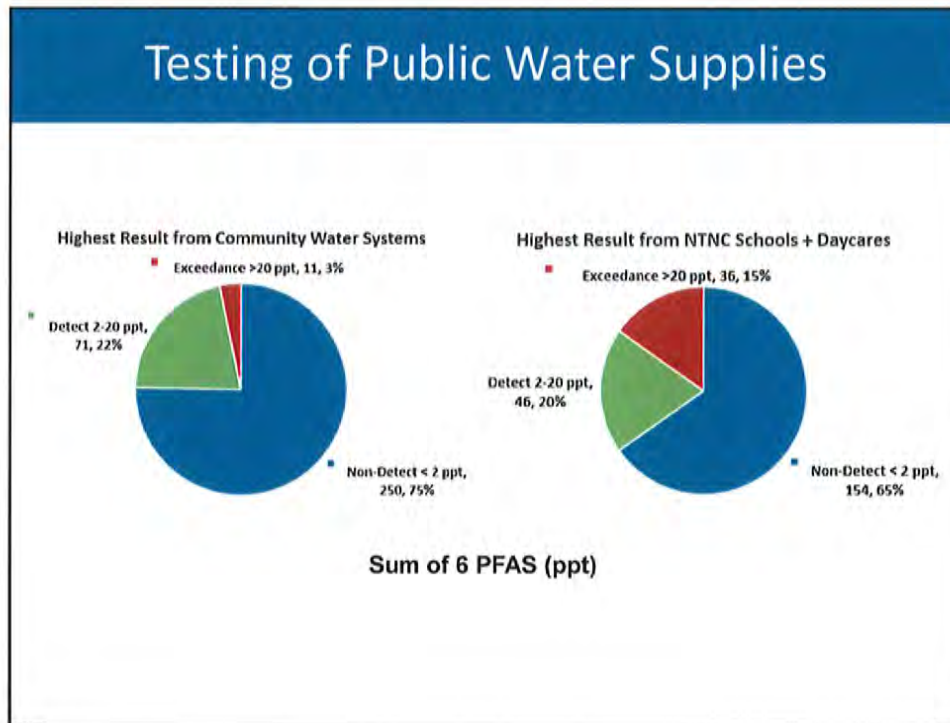
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For more information

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