



Is there an urban pesticide signature? Urban streams in five U.S. regions share common dissolved-phase pesticides but differ in predicted aquatic toxicity

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<https://doi.org/10.1016/j.scitotenv.2021.148453>

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Highlights

- Urban centers across the USA shared a common 16-compound “urban pesticide signature.”
- Pesticide occurrence was affected more strongly by basin urbanization than by region.
- Potential toxicity varied by region/urban center but was driven by same pesticides.
- Potential toxicity at urban sites was high for invertebrates, lower for plants & fish.
- Potential invertebrate toxicity was due to imidacloprid, fipronil & organophosphates.