



**OREGON
WILD**
Let Nature Live. Let Nature Last.

To: House Committee on Climate, Energy, and the Environment

From: Oregon Wild

Re: Support HB 2679

Date: March 4, 2025

Chair, Vice Chairs, and members of the Committee,

Oregon Wild supports HB 2679. Oregon, like much of the globe, is experiencing an extinction crisis. Animals throughout ecosystems and up and down food chains are threatened by dramatic habitat losses, accelerating climate change, and over-harvest by humans.

To slow and reverse these dramatic losses, Oregon can move neonicotinoids to a restricted-use category, as the science is clear that neonicotinoids harm aquatic animals starting with insects and ending with fish, at the concentrations found in wetlands, ephemeral and seasonal streams, and fish-bearing streams (Hladik et al 2018, Schepker et al 2020, Kuechle et al 2022, Gandara et al 2024).

Scientists continue to learn the aggregate extent of stream networks and thus the extent of waterways that place persistent neonicotinoids adjacent to vitally-important aquatic insects, amphibians, and fish. In the US, stream networks appear to be five times longer than the perennial stream length that we're most familiar with (Prancevic, Seybold, and Kirchner 2025). This represents five times the area in which insects, the base of many ecosystem food chains, are vulnerable to these pesticides.

Finally, the persistence and toxicity of neonicotinoids threatens fisheries by devastating aquatic insect populations (Yamamuro et al 2018). In fact, we're still just learning about the effects and we must exercise caution. As Zheng, Chen, and Zheng wrote in Science Magazine (2013), "In the past, we underestimated the risks of widely used pesticides. As we work to replace older insecticides with less toxic alternatives, we must use caution to prevent a similar mistake." Written twelve years ago.

Oregon Wild urges the House Committee on Climate, Energy, and the Environment to move HB 2679 on to a work session and protect wetlands, streams, and the insects upon which fish depend.

Respectfully,

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state forest policy coordinator
MS Environmental Science, forest ecology research thesis
Oregon Wild

Works Cited:

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