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Impacts of ozone air pollution and temperature extremes on crop yields: Spatial variability, adaptation and implications for future food security

Amos P.K. Tai, Maria Val Martin

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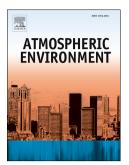
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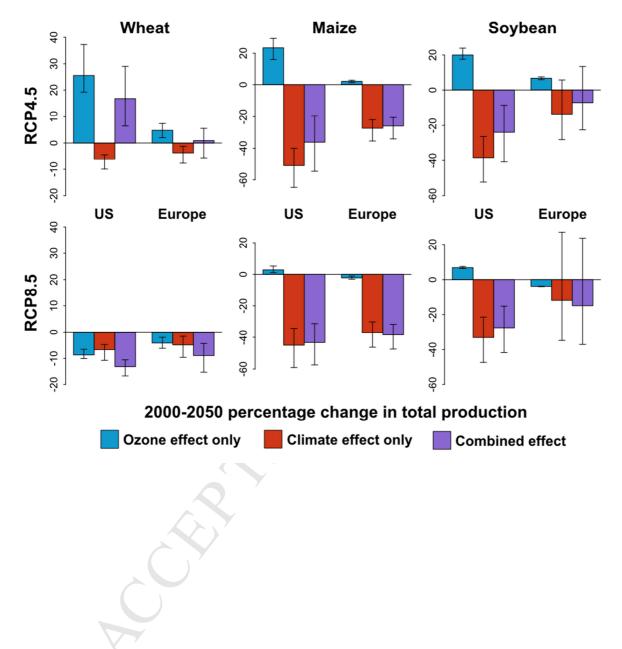
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We develop a statistical model to estimate spatially varying crop yield sensitivity to ozone exposure and temperature extreme, correcting for ozone-temperature covariation. We find much larger and more spatially varying yield sensitivity to ozone than previous studies, and thus larger effects of ozone enhancement or mitigation on future US and European crop production.



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