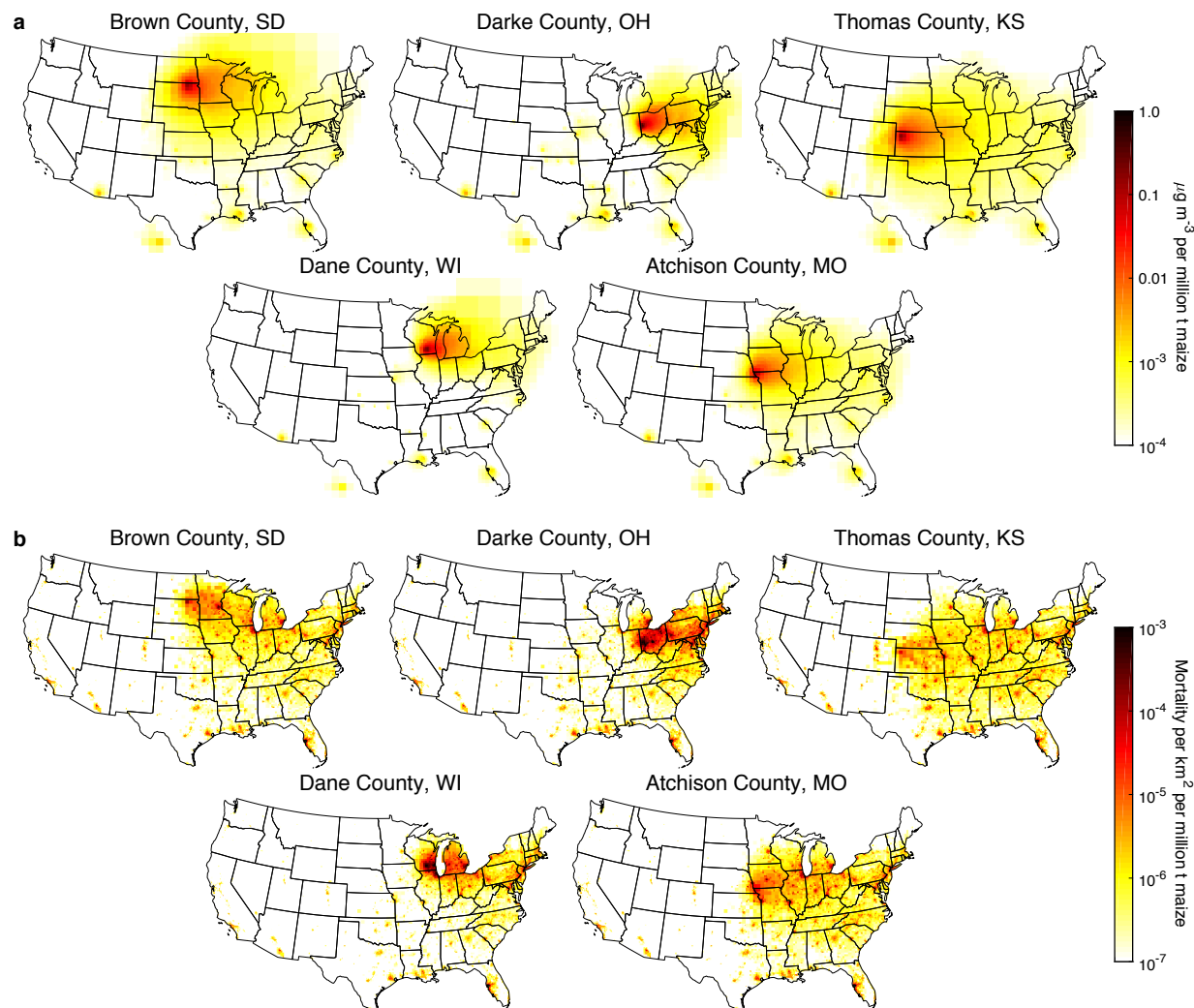


In the format provided by the authors and unedited.

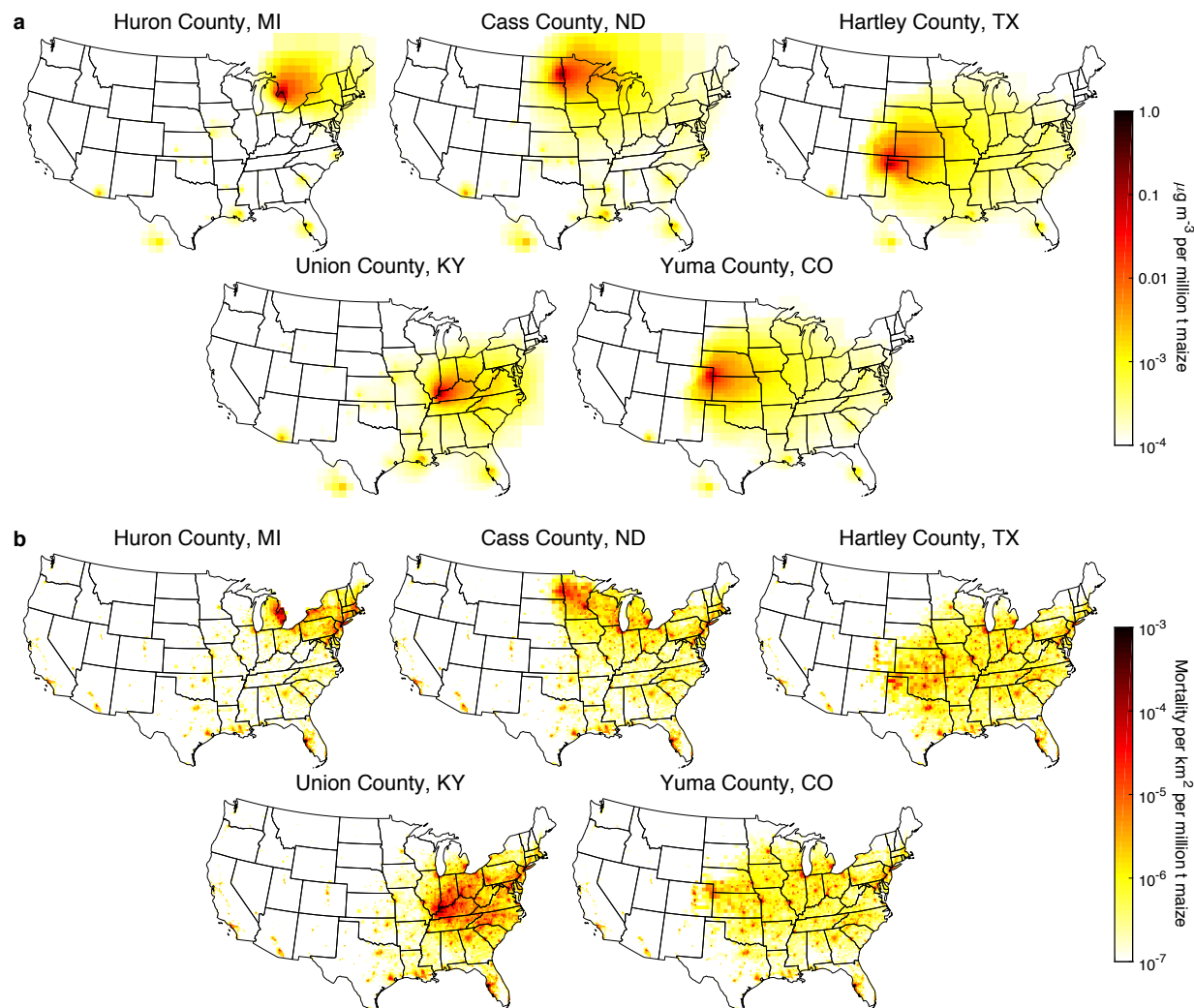
Air-quality-related health damages of maize

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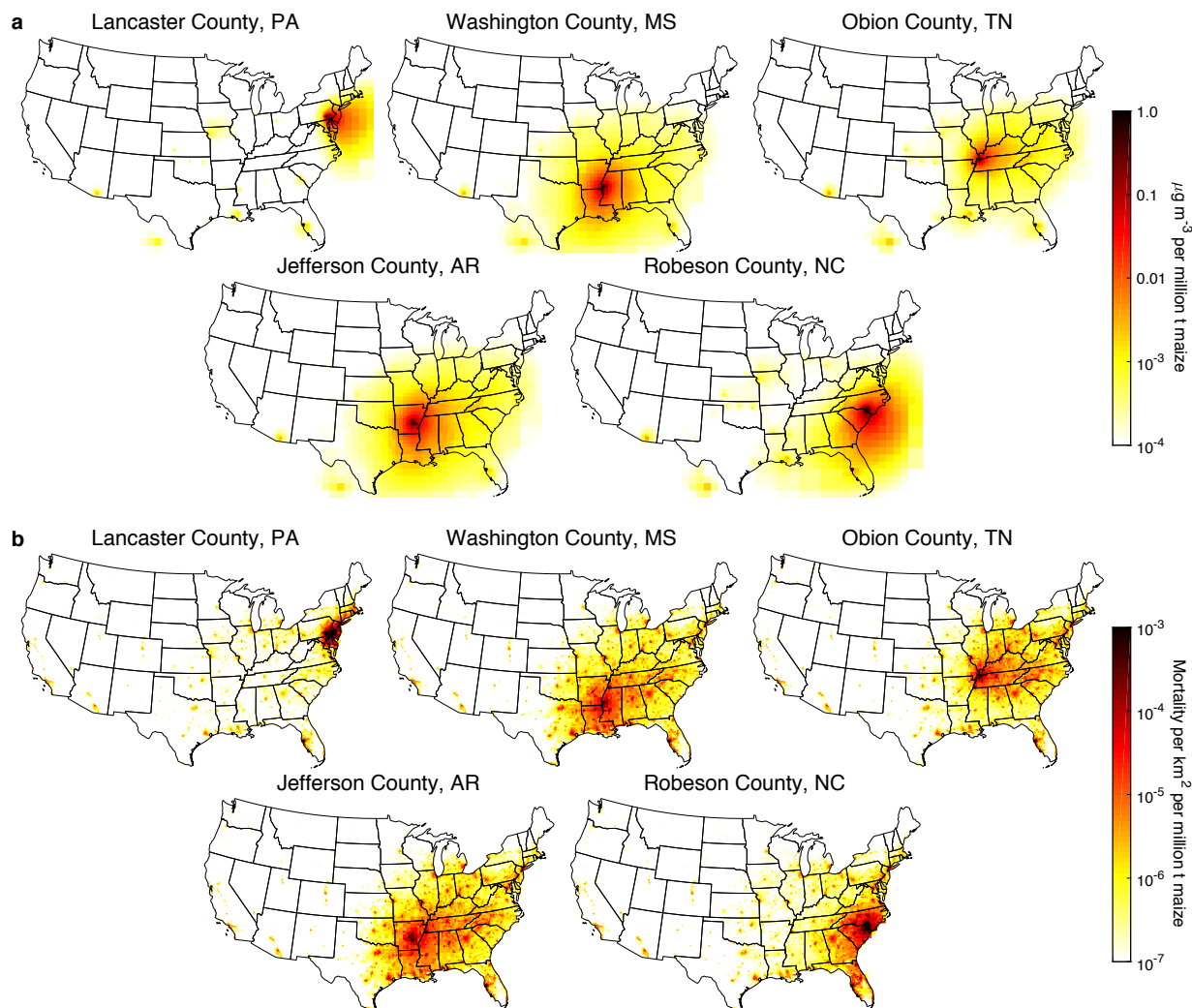
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Supplementary Figure 1 | Illustrative results of $\text{PM}_{2.5}$ impact assessment using the examples of the top maize-producing county in each of the 6th–10th top maize producing states. a, Atmospheric total $\text{PM}_{2.5}$ concentrations attributable to on-farm and supporting supply chain processes for maize grown in a single county. Emissions attributable to maize produced in a given county may occur outside of that county (*e.g.*, from fertilizer production). **b**, Mortality attributable to total $\text{PM}_{2.5}$ concentrations in **a**.



Supplementary Figure 2 | Illustrative results of $\text{PM}_{2.5}$ impact assessment using the examples of the top maize-producing county in each of the 11th–15th top maize producing states. a, Atmospheric total $\text{PM}_{2.5}$ concentrations attributable to on-farm and supporting supply chain processes for maize grown in a single county. Emissions attributable to maize produced in a given county may occur outside of that county (*e.g.*, from fertilizer production). **b**, Mortality attributable to total $\text{PM}_{2.5}$ concentrations in **a**.



Supplementary Figure 3 | Illustrative results of $\text{PM}_{2.5}$ impact assessment using the examples of the top maize-producing county in each of the 16th–20th top five maize producing states. a, Atmospheric total $\text{PM}_{2.5}$ concentrations attributable to on-farm and supporting supply chain processes for maize grown in a single county. Emissions attributable to maize produced in a given county may occur outside of that county (*e.g.*, from fertilizer production). **b**, Mortality attributable to total $\text{PM}_{2.5}$ concentrations in **a**.