

## CLIMATE CHANGE,

## DECENT WORK AND

## WORKERS HEALTH

## AIR POLLUTION

Primary Health Impact: Cancer (lung), respiratory disease, cardiovascular disease [1].

Agriculture workers are among those most exposed to climate hazards, yet frequently have no choice but to continue working, even if conditions are dangerous. The ILO selected six major impacts of climate change on occupational health, based on their severity and effect magnitude on workers: excessive heat, UV solar radiation, extreme weather events, [air pollution](#), vector-borne diseases, and agrochemicals [1].

**Air pollution** score is estimated by normalising PM2.5 values to fit 5 mg/m<sup>3</sup> = 50 (High) [2].

## Air pollution

50 60 70 80 90

score 50: 5 mg/m<sup>3</sup>

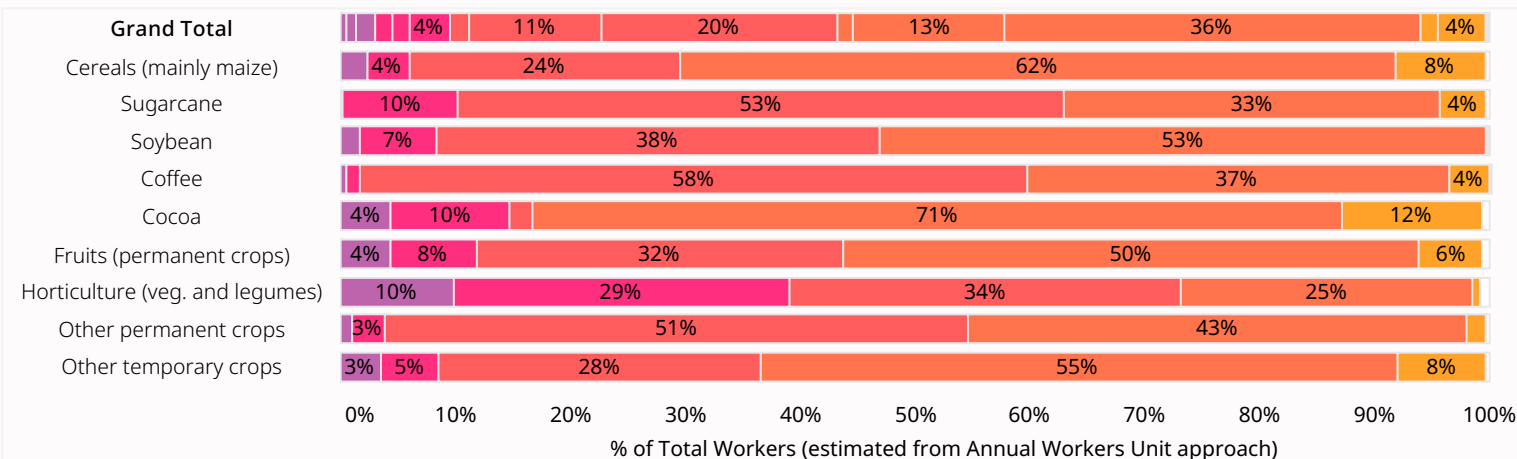
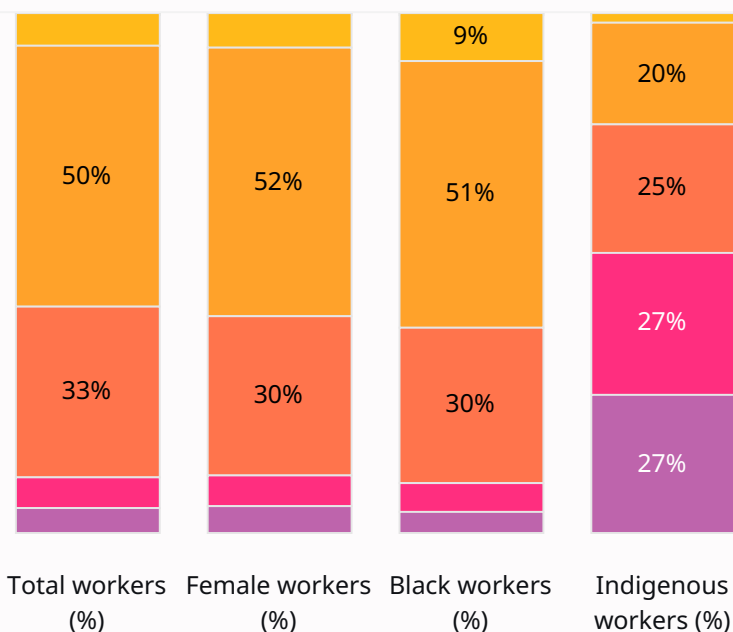


50 60 70 80 90

## Air pollution

## Agriculture workers (include livestock and forestry)

724,982 4,000,000  
2,000,000 5,000,000  
3,000,000 ≥ 6,000,000



Sources: 1. Ensuring safety and health at work in a changing climate | International Labour Organization (ILO); 2. Global Inequality in Environmental conditions: <https://doi.org/10.1088/2515-7620/ae0407>

This research is funded by the British Academy's ODA Challenge-Oriented Research Grants 2024 Programme (IOCRG100945), supported under the UK Government's International Science Partnerships Fund.