

Environmental Protection Agency

Estimation of the Population, Usage, and Emissions of Non-Road Equipment in the United States



Objective

NuStats, on behalf of the U.S. Environmental Protection Agency, conducted a research project to improve the methods and tools used by the agency to estimate emission from non-road equipment.

Approach

A combined rapid in-use measurement with statistical survey design to improve representation of non-road engine emission and activity. NuStats designed a sample plan of establishments to randomize recruitment and participant screening and selection. Data collected included usage rates usage rates and in-use and real-world emission rates.

Outcome

NuStats helped to provide data to the agency to estimate the population, usage, and emissions of non-road equipment in the United States.

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