



Data from Aprovecho emissions collection hood

A typical charcoal-burning stove emits approximately 500 ppm during the WBT, spiking to 1000 ppm under the emission hood. With the same burning rate of charcoal, the rocket stove spikes to 500 ppm on startup and drops to less than 10 ppm during steady-state burning. A wood-burning rocket stove emits between 50 and 100 ppm during the test.

The CO/CO₂ ratio for a basic charcoal stove is generally between 10% and 25%. For the entire duration of each test phase including spikes, the CO/CO₂ ratio was 2%-5% for the rocket.