

## SUPPLEMENTARY MATERIALS

### Source Apportionment of Water Soluble Organic Matter of Submicron Aerosol: A Comparison between Foggy and Nonfoggy Episodes

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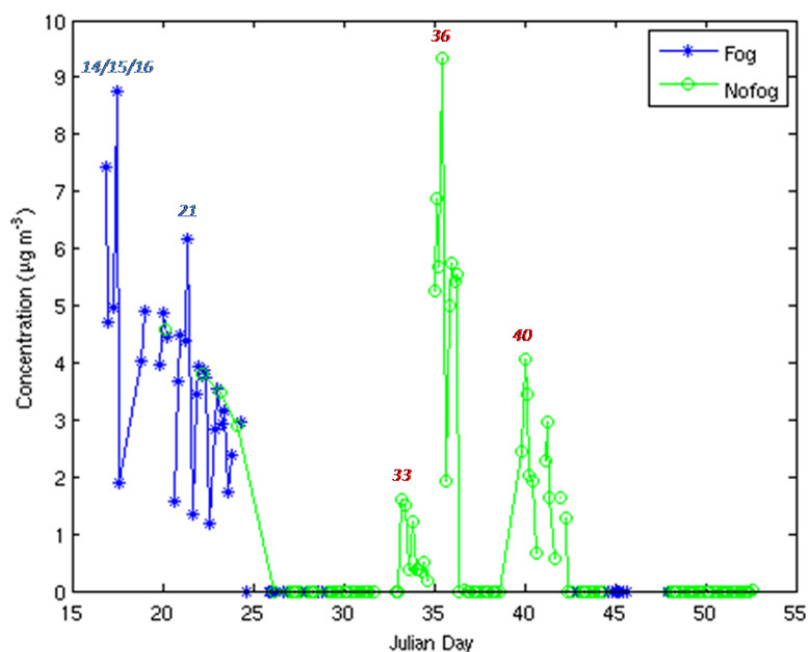
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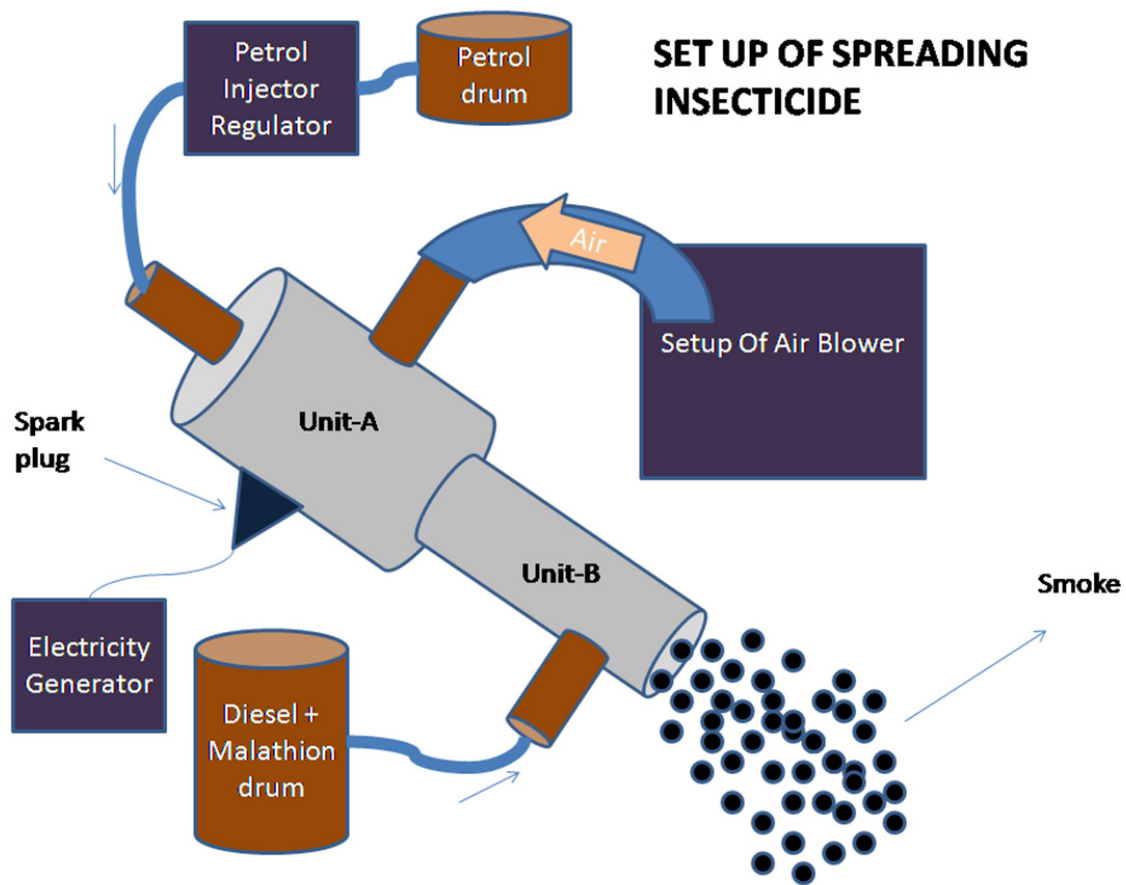
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**Fig. S1.** Contribution of water soluble primary aerosol (WS-PA) to water soluble organic matter (WSOM). The contribution is observed during emission of the primary aerosol emitted from the incomplete combustion of petrol and evaporation of diesel from the insecticide spreading machine; other times, contribution is zero. Numbers inside the figure are Julian date on which machine for spreading insecticide was run. Contribution of this source on non-spread days during foggy episode is mostly due to the accumulation of primary aerosol emitted from this machine in the fog layer characterized which is mostly calm conditions. Machine was also run 2 days (14 and 15 Julian Day) prior to sampling start day (Julian day 16 morning). Machine is run mostly during evening from ~5:00 PM to ~10:00 PM.



**Fig. S2.** Schematic of the machine used to spread insecticide. Insecticide is in the trace amount. Enormous emission of primary aerosol from the incomplete combustion of petrol and evaporation of diesel occurs.