

Harvard Forest Data Archive HF276-03

Data File:

Name = hf276-03-HF-microbe.csv

Description = Harvard Forest common garden experiment - microbe

Rows = 177 Columns = 13

MD5 checksum = f64a1de399b5939fe8c9cde26ca9430e

Variables:

date = date of CO2 efflux measurement

temp = temperature of the soil at approximately 8 cm deep (celsius)

core.depth = depth of extracted soil core (centimeter)

leaf.decomp = percent leaf mass change in decomposition bag.

Negative values indicate

leaf mass was gained. (dimensionless)

microbial.biomass.c = microbial biomass (organic) Carbon, using
chloroform fumigation method in

the lab of M Weintraub. TOC ug-C/g dry

soil, calculated as difference between fumigated and

K2SO4 extracted

sample. (dimensionless)

microbial.biomass.n = microbial biomass nitrogen, using chloroform
fumigation method in the lab

of M Weintraub. TN ug-N/g dry soil, calculated

as difference between fumigated and K2SO4

extracted sample.

(dimensionless)

efflux = soil efflux ($\mu\text{mol CO}_2 \text{ mol}^{-1}$) measured using LI-6400

(dimensionless)

| Variable | Min | Median | Mean | Max | NAs |
|--------------|------------|------------|------------|------------|-----|
| date | 2013-06-28 | 2013-07-23 | 2013-07-22 | 2013-08-13 | 0 |
| temp | 8.976 | 12.828 | 12.088 | 14.040 | 0 |
| core.depth | 5.000 | 7.500 | 8.045 | 13.000 | 0 |
| leaf.decomp | -0.012 | -0.002 | 0.006 | 0.034 | 0 |
| microbial.bi | 171.169 | 334.147 | 337.338 | 526.949 | 0 |
| microbial.bi | 71.198 | 138.990 | 140.317 | 219.187 | 0 |
| efflux | 1.483 | 5.603 | 5.629 | 9.187 | 2 |

