

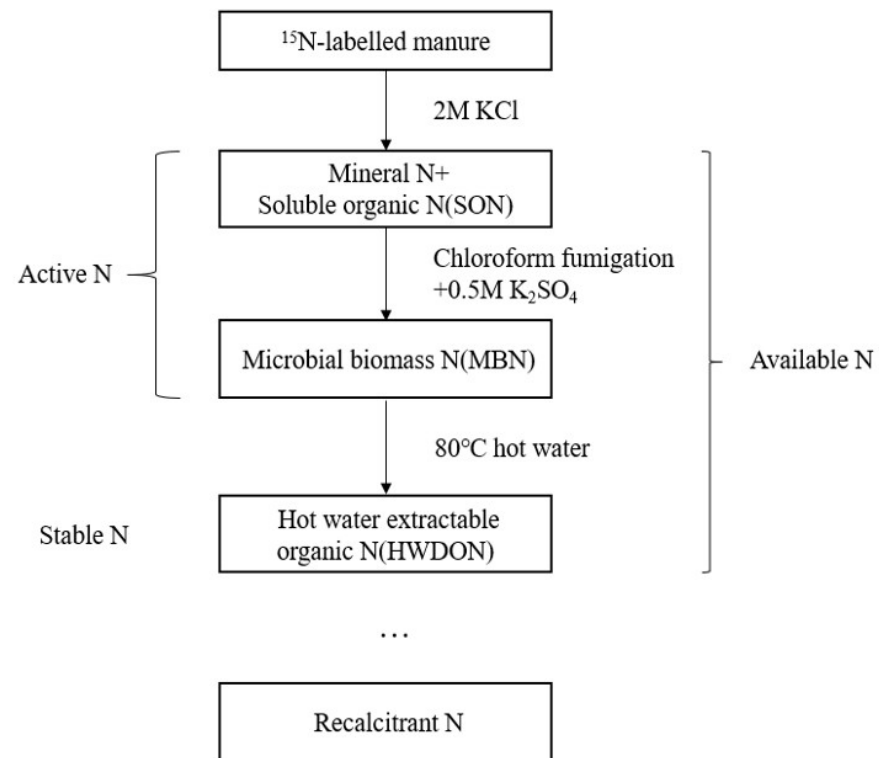
Supporting Materials

Table S1 Frequency and amount of glucose addition.

Incubation Time (Days)	Adding Frequency	Adding Amount (C, mg/kg)
0	first	40000
15	second	2000
30	third	2000

**Table S2** Mineralization rates of available N fractions. SON, soluble organic nitrogen, MBN, microbial biomass nitrogen; HWDON, hot water extractable organic N.

Available N Fractions	Mineralization Rate (%)	References
mineral N (NH <sub>4</sub> <sup>+</sup> -N, NO <sub>3</sub> <sup>-</sup> -N)	100	/
SON	22-61	(Ge et al., 2010; Liang et al., 2015; Murphy et al., 2000; Zhong and Makeschin, 2003)
MBN	30-57	(Brookes et al., 1985; Dempster et al., 2012; Myrold, 1987; Sugihara et al., 2010)
HWDON	11-48	(Curtin et al., 2020; Curtin et al., 2006; Körschens et al., 1990; Sha et al., 2013)



**Figure S1.** Sequentially extracting nitrogen fractions from  $^{15}\text{N}$ -labeled compost.