

Test For:

Michigan State University Soil Lab
 John Dahl
 1066 Bogue St
 East Lansing, MI 48824

Date Received : 5/19/20
 Date Reported : 6/10/20
 Lab ID Number : 11397.0
 Quality Checked : **NH**
 Imperial/Metric (I/M) I

Compost Maturity Index Report

Sample ID: Compost: Pembroke

VARIABLE MEASURED	as is basis	Rating
Compost wet weight used in test jar (grams)*	94	corresponds to: 2082 (lbs / yard) Density Ranking: Very Dense or Compacted
CO ₂ Rate (Solvita® CO ₂ Color)	5.58	<i>Active Not Completed</i>
NH ₃ Rate (Solvita ® NH ₃ Color).....	5.00	<i>No Free Ammonia</i>
Solvita Maturity Index (SMI)	5.6	<i>Active-Early Cure Composting</i>
(Index rounded to Whole Number)	6.0	

* when filled to indicated fill-line; see instructions n Solvita compost manual

Traits associated with these results:

CO ₂ % Compost Airspace†	ppm NH ₃ in Compost Airspace
0.58	<10

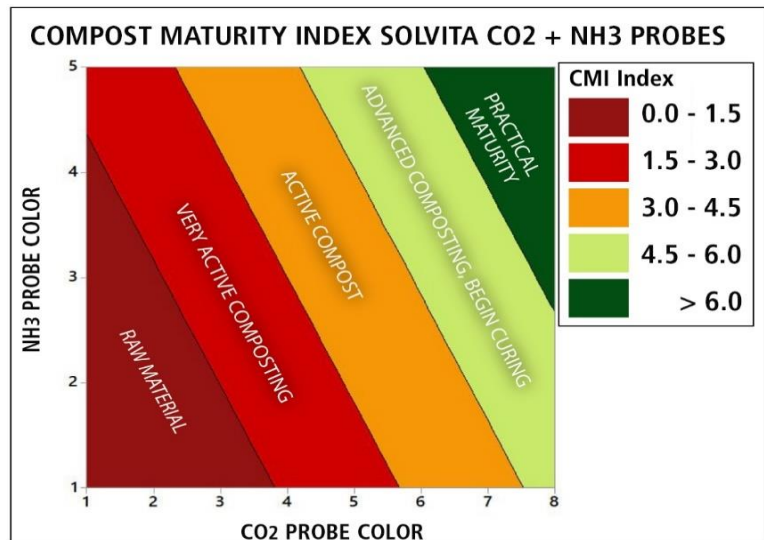
† note CO₂% by 10000 = ppm CO₂

COMPOST WET RESPIRATION RATE

Estimated mg/kg CO₂-C / per day in
 fresh as-is Compost ‡

49

‡ to obtain dry weight result multiply
 this number by ratio of 100 ÷ %solids



Note: calculation of CO₂% and CO₂-C are made by the Ideal Gas Law and do not include interference by high ammonia (color <3)