

Table 10. Nutrient concentrations in various types of solid manure, pounds per wet ton.

Manure type	Total Kjeldahl N	Ammonia N*	Phosphorus (P ₂ O ₅)*	Potassium (K ₂ O)*
Poultry litter ¹	40–80	10–20	30–60	30–50
Separated dairy solids ² , 23% DM	5.8–7.4	0.3–0.7	1.8–2.4	2.4–3.6
Swine hoop structures ³	15	6	12.6	14.4
Mortality compost ⁴	15–25	3–6	1–3	4–8

¹ Range of values from NRCS-AWMFH, MWPS-18, Section 2, and University of Missouri studies.

² Performance of screen separator at University of Missouri dairy farm

³ Study averages from Iowa State University Rhodes Research Farm using cornstalk bedding

⁴ Swine mortality compost, University of Missouri

* Phosphate (P₂O₅) = 2.29 x P, Potash (K₂O) = 1.21 x K,
Ammonia N (NH₃-N) = 1.22 x NH₃

Source: MWPS-18, *Manure Management Systems Series*, Section 2, Manure Storages, Table 5-3.

Note: Use only for planning purposes. These values should not be used in place of a regular manure analysis.