Table 14. Typical nutrient losses during handling and storage.

System	N	P*	K*
	Percent lost		
Solid			
Daily scrape and haul[2]	20–35	5–15	5–15
Manure pack[2]	20–40	10–20	10–20
Poultry, deep pit or litter[2]	25–50	5–15	5–15
Solids on open lot			
Scrape once/year[2]	40–55	20–40	30–50
Daily scrape and haul[2]	20–35	10–20	15–25
Separated solids, 90 days storage[1]	30	10–20	10–20
Liquid (slurry)			
Anaerobic pit[2]	15–30	5–20[4]	5–20[4]
Aboveground storage[2]	10–30	5–15	5–15
Manure basin; or runoff storage pond, 120–180 days storage[3]	20–40	5–50[4]	5–50[4]
Liquid — lagoon[2]	70–85	50–80[4]	30–80[4]
Lagoon, 365 days storage[3]	90	50–80[4]	30–80[4]

* Phosphate (P_2O_5) = 2.29 x P, Potash (K_2O) = 1.21 x K, authors' estimate

[1]Authors' estimates.

[2]From MWPS-18.

[3]From Oregon State University Publication EC-1102.

[4]Losses vary widely, pending on degree of agitation during pumpout.