

Table 2. Estimated typical manure characteristics as excreted by all other livestock and poultry (Source: ASABE Standard D384.2)

| Animal Type and production grouping | Total Manure ¹ | | Moisture ² | Total Solids | Volatile Solids | Nitrogen | Phosphorus | Potassium |
|-------------------------------------|---------------------------|---------------------------|-----------------------|----------------|-----------------|----------|------------|-----------|
| | lb/d- animal | ft ³ /d-animal | % wet basis | lb/day –animal | | | | |
| Beef | | | | | | | | |
| Confined cow ^{3, 4} | - | - | 88 | 15 | 13 | 0.42 | 0.097 | 0.30 |
| Confined growing calf | 50 | 0.81 | 88 | 6.0 | 5.0 | 0.29 | 0.055 | 0.19 |
| Dairy | | | | | | | | |
| Lactating cow | 150 | 2.4 | 87 | 20 | 17 | 0.99 | 0.17 | 0.23 |
| Dry cow | 83 | 1.3 | 87 | 11 | 9.2 | 0.50 | 0.066 | 0.33 |
| Heifer (970 lb) | 48 | 0.78 | 83 | 8.2 | 7.1 | 0.26 | - | - |
| Horse (1,100 lb) | | | | | | | | |
| Sedentary | 56 | 0.90 | 85 | 8.4 | 6.6 | 0.20 | 0.029 | 0.060 |
| Intensive exercise | 57 | 0.92 | 85 | 8.6 | 6.8 | 0.34 | 0.073 | 0.21 |
| Poultry | | | | | | | | |
| Layer | 0.19 | 0.0031 | 75 | 0.049 | 0.036 | 0.0035 | 0.0011 | 0.0013 |
| Swine | | | | | | | | |
| Gestating sow (440 lb) | 11 | 0.18 | 90 | 1.1 | 0.99 | 0.071 | 0.020 | 0.048 |
| Lactating sow ⁶ (423 lb) | 25 | 0.41 | 90 | 2.5 | 2.3 | 0.19 | 0.055 | 0.12 |
| Boar (440 lb) | 8.4 | 0.13 | 90 | 0.84 | 0.75 | 0.061 | 0.021 | 0.039 |

¹Total manure is calculated from total solids and manure moisture content

²As excreted manure moisture contents range from 75 to 90 percent. At these moisture levels as excreted manure has a density equal to that of water and specific gravity of 1.0 was assumed in calculation of manure volume.

³Solids estimates do not include solids in urine

⁴Beef cows values are representative of animals during non-lactating period and first six months of gestation

⁵These values apply to horses 18 months of age or older that are not pregnant or lactating. The representative number applies to 1,100 lb horses and the range represents horse s from 880 to 1320 lbs. "Sedentary" applies to horses not receiving any imposed exercise.

⁶Nitrogen and phosphorus values include contribution of nursing pigs