

**Table 1.** Attribute labels and definitions for *ofr2013-1065\_manure\_2002.xlsx*.

[NA, not applicable; N, nitrogen; P, phosphorus; kg, kilogram]

Attribute label	Attribute definition	Units
FIPS	The Federal Information Processing Standards (FIPS) 5-digit code of the county or county equivalent.	NA
State	State name	NA
County	County name	NA
Data_flag	Flag for data availability	NA
Beef cows	Number of beef cows	NA
ND_flag1	Data flag for beef cows	NA
Milk cows	Number of milk cows	NA
ND_flag2	Data flag for milk cows	NA
Cows and heifers that had calved	Number of cows and heifers that had calved	NA
ND_flag3	Data flag for cows and heifers that had calved	NA
Other cattle	Number of other cattle	NA
ND_flag4	Data flag for other cattle	NA
Cattle and calves	Number of cattle and calves	NA
ND_flag5	Data flag for cattle and calves	NA
Cattle N kg	Nitrogen in manure from cattle	kilograms
Cattle P kg	Phosphorus in manure from cattle	kilograms
Total hogs and pigs	Number of total hogs and pigs	NA
ND_flag6	Data flag for total hogs and pigs	NA
Hogs and pigs used or to be used for breeding	Number of hogs and pigs used or to be used for breeding	NA
ND_flag7	Data flag for hogs and pigs used or to be used for breeding	NA
Other hogs and pigs	Number of other hogs and pigs	NA
ND_flag8	Data flag for other hogs and pigs	NA
Hogs and pigs sold	Number of hogs and pigs sold	NA
ND_flag9	Data flag for hogs and pigs sold	NA
Hogs N kg	Nitrogen in manure from hogs and pigs	kilograms
Hogs P kg	Phosphorus in manure from hogs and pigs	kilograms
Layers 20 weeks old and older	Number of layers 20 weeks old and older	NA
ND_flag10	Data flag for layers 20 weeks old and older	NA
Pullets for laying flock replacement	Number of pullets for laying flock replacement	NA
ND_flag11	Data flag for pullets for laying flock replacement	NA
Broilers and other meat-type chickens	Number of broilers and other meat-type chickens	NA
ND_flag12	Data flag for broilers and other meat-type chickens	NA
Turkeys	Number of turkeys	NA
ND_flag13	Data flag for turkeys	NA
Poultry N kg	Nitrogen in manure from poultry	kilograms
Poultry P kg	Phosphorus in manure from poultry	kilograms
Sheep and lambs	Number of sheep and lambs	NA
ND_flag14	Data flag for sheep and lambs	NA
Horses and ponies	Number of horses and ponies	NA
ND_flag15	Data flag for horses and ponies	NA
Other N kg	Nitrogen in manure from sheep, lambs, horses, and ponies	kilograms
Other P kg	Phosphorus in manure from sheep, lambs, horses, and ponies	kilograms
Total N kg	Nitrogen in manure from all animal groups	kilograms
Total P kg	Phosphorus in manure from all animal groups	kilograms
Unconfined N fraction	Fraction of the total manure nitrogen estimated from unconfined livestock	NA
Unconfined P fraction	Fraction of the total manure phosphorus estimated from unconfined livestock	NA
Manure N kg unconfined	Nitrogen in manure from unconfined livestock	kilograms
Manure N kg confined	Nitrogen in manure from confined livestock	kilograms
Manure P kg unconfined	Phosphorus in manure from unconfined livestock	kilograms
Manure P kg confined	Phosphorus in manure from confined livestock	kilograms