



Worksheet 4-2

**Manure Quantity Estimation
(For Solid Manure)**

Farm name: _____

Manure Production Period

Starting date: _____ Ending date: _____

A. Total days in manure production period: _____

Livestock Information

	1	2	3
B. Livestock group			
C. Average weight (lbs.)			
D. # of animals			
E. Animal units (AU) [(C × D) ÷ 1000]			
F. Full days confined during manure production period			
G. Days partially confined during manure production period			
H. Hours per day confined			
I. Day equivalents partially confined (G × H) ÷ 24			
J. Total day equivalents confined (F + I)			
K. Total day equivalents unconfined on pasture (A - J)			
L. Weight of manure/AU/day (lbs.) (See Table 4-1.)			

Bedding Estimation

	1	2	3
M. Bedding type (straw, sawdust, etc.)			
N. Volume of bedding this production period (cu. ft.). (If weight of bedding is known, proceed to P and enter it directly.)			
O. Density of bedding (lbs. per cu. ft.) (See Table 4-2.)			
P. Weight of bedding (tons) [(N × O) ÷ 2000]			

Uncollected Manure (Deposited on Pasture)

	1	2	3
Q. Weight of manure on pasture (tons) [(E × L × K) ÷ 2000]			

Collected Solid Waste (Manure and Bedding)

	1	2	3
R. Weight of collected manure (tons) [(E × L × J) ÷ 2000]			
S. Weight of collected manure and bedding (tons) (P + R)			