

**WORKSHEET TO DETERMINE LITTER PRODUCTION AND  
STORAGE REQUIREMENTS FOR POULTRY OPERATIONS**

Name of grower: \_\_\_\_\_ County: \_\_\_\_\_

**A.** Number of birds: \_\_\_\_\_ **B.** No. of Flocks per year: \_\_\_\_\_

**C.** Lbs. litter produced/yr <sup>a/</sup> = ( **A** x **B** x Litter Production <sup>b/</sup> = \_\_\_\_\_ x \_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_ lbs/yr  
(Ex.: 2.1 lbs/bird/flock for a 4.2 lb. broiler.)

**D.** Tons waste/yr = **C**/2000 = \_\_\_\_\_ /2000 = \_\_\_\_\_ tons/yr

**E.** Density Factor = **DF** = 2000/Density <sup>b/</sup> = 2000/ \_\_\_\_\_ = \_\_\_\_\_ cf/ton

**F.** Vol. of waste produced/yr <sup>a/</sup> = **D** x **DF** = \_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_ cf/yr

**G.** Tons for composting dead chickens:

**G1.** Chickens: **A** x **B** x Mortality Rate (as a decimal) <sup>b/</sup> x Avg Wgt <sup>b/</sup> / 2000 =  
\_\_\_\_\_ x \_\_\_\_\_ x \_\_\_\_\_ x \_\_\_\_\_ /2000 = \_\_\_\_\_ tons/yr

**G2.** Litter: **G1** x 2.5 = \_\_\_\_\_ x 2.5 = \_\_\_\_\_ tons/yr

**H.** Tons of litter to utilize = **D** - **G2** = \_\_\_\_\_ - \_\_\_\_\_ = \_\_\_\_\_ tons/yr

**I.** Compost = (**G1** + **G2**) x (shrinkage) = ( \_\_\_\_\_ + \_\_\_\_\_ ) x 0.8 = \_\_\_\_\_ tons/yr

**LITTER STORAGE REQUIREMENTS**

**J.** Stored Litter for fertilizer = **SL** <sup>e/</sup> x **DF** = \_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_ cf

**K.** Litter for other uses = Tons <sup>d/</sup> x **DF** = \_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_ cf

**L.** Litter for composting = **G2** x **DF** x (1/CO <sup>e/</sup>) = \_\_\_\_\_ x \_\_\_\_\_ x (1/ \_\_\_\_\_) = \_\_\_\_\_ cf

**M.** Annual Storage Requirements = **J** + **K** + **L** = \_\_\_\_\_ + \_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_ cf

**N.** Store **F** or **M** as appropriate = \_\_\_\_\_ cf  
(Use appropriate engineering worksheets to size dry stack/temporary storage.)

<sup>a/</sup> Based on one complete cleanout per year. Other cleanout schedules will require individual records to establish trends.

<sup>b/</sup> Refer to Table 3 in Section III. of Workbook or producer records.

<sup>c/</sup> From Nutrient Application Summary Worksheet.

<sup>d/</sup> Amount in tons as determined by producer for purposes other than fertilizing or composting.

<sup>e/</sup> CO = Number of cleanouts per year. If cake is used for composting, count each time cake is removed.