

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 ^{al} = (A x B x Litter Production ^{bl} = _____ 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 ^{bl} = 2000/ _____ = _____ cf/ton

F. Vol. of waste produced/yr ^{al} = D x DF = _____ x _____ = _____ cf/yr

G. Tons for composting dead chickens:

G1. Chickens: A x B x Mortality Rate (as a decimal) ^{bl} x Avg Wgt ^{bl} / 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 ^{cl} x DF = _____ x _____ = _____ cf

K. Litter for other uses = Tons ^{al} x DF = _____ x _____ = _____ cf

L. Litter for composting = G2 x DF x (1/CO ^{el}) = _____ 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.)

^{al} Based on one complete cleanout per year. Other cleanout schedules will require individual records to establish trends.

^{bl} Refer to Table 3 in Section III. of Workbook or producer records.

^{cl} From Nutrient Application Summary Worksheet.

^{al} Amount in tons as determined by producer for purposes other than fertilizing or composting.

^{el} CO = Number of cleanouts per year. If cake is used for composting, count each time cake is removed.