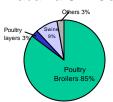


Alabama CAFOs



Since Alabami's AFOICAFO Rules were implemented in 1999, 937CAFOS have registered and field CNMPs. Eight, viles percent these (810) are pourtly broiler operations. This leaves around 3,000 small poultry AFOs in Alabama who do not have plans and are not required to register but are required tofollow NRCS Code 500 Nutrient Management best management practices. Without a plan, these producers have no way to document that they are following BMPs.



A Simplified NMP for Alabama Poultry AFOs



Your Exports for Life

C.C. Mitchell and T.W. Tyson, Auburn University and Alabama Cooperative Extension System

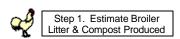
Things Needed to Produce a Simplified Plan

 An <u>aerial photo</u> and/or topographic map of the farm showing all fields where nutrients (either fertilizer or manure) will be applied and potentially impacted streams and water bodies.
 Soil survey.

•Current (within last year) soil test report from each field wher nutrients will be applied.

 Knowledge of the overall operatione.g., number of houses, number of birds produced, market weight of birds, dead bird disposal, etc. and fields where litter is to be applied.

An informed poultry producer can then develop his own simplified NMP in 5 easy steps.



4 houses X 28,000 birds/hse X 6 flocks/yr = 672,000 birds/year

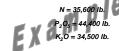
672,000 birds X 4.5 lb/bird X 0.5 lb. litter/lb bird = 1,512,000 lb. litter or **756 tons**

88 tons used to produce 98 tons of composind dead birds
668 tons litter produced annually
(Vill store in dry stack ~ 1/3 or 223 tons)
98 tons compost produced annually

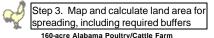
(Will store 1/3 or 33 tons in composting facility)

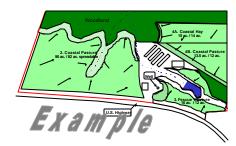
Step 2. Determine nutrient value of broiler litter and compost

668 tons litter to spread (47-58-45 per ton*) 98 tons compost to spread (43-58-45 per ton*) TOTAL AVAILABLE NUTRIENTS ON FARM =



*Pounds per ton N - P₂Q₂-K₂O From NRCS-AL Code 590 table for surface applied broiler litter. May use adjusted lab values once litter is tested.





Step

Step 4. Determine target crop and nutrient needs and timing for each field.











Step 5. Determine uses for excess litter/compost production



See examples of detailed worksheets and NRCS Code 590