

**2021 Annual Implementation Report Instructions**  
**For Activities on your Operation from January 1 - December 31, 2021.**  
**Due March 1, 2022**

Most of the information for the AIR will be found in your 2021 Nutrient Management Plan (NMP) and related records. For help, please contact your Nutrient Management consultant, or your MDA Regional Nutrient Management Specialist. Visit our webpage: [https://mda.maryland.gov/resource\\_conservation/Pages/nutrient\\_management.aspx](https://mda.maryland.gov/resource_conservation/Pages/nutrient_management.aspx).

**Farmer/Operator Information**

**1-10.** Information applies only to the person that operated the agricultural operation during 2021. If any preprinted data is incorrect or blank, please provide updated information. "County" refers to the county where the majority of the operation was located.

**Farm/Operation Information**

**11.** Total Acres Farmed: Include pastures, greenhouses, and pastured woodlands. Do not include land in set-aside programs, such as the Conservation Reserve Enhancement Program (CREP) and unpastured woodlands.

**12.** Operation Type: Identify the operational activities under your nutrient management plan. (Check all that apply.)

**13.** Account ID Changes: Add Account ID #'s that were new to your operation or delete those no longer a part of your operation in 2021. These are unique 10 to 16 digit numbers assigned to all parcels of land by the Maryland Department of Assessments and Taxation (SDAT). They are in your certified NMP. If there were no changes in 2021, check the box accordingly. Use additional pages, if needed.

**14.** Nutrient Sources: Identify the applicable nutrient source(s) used in the operation. (Check all that apply.)

**Nutrient Management Consultant and Plan Information**

**15-17.** Complete all information for the person who developed your NMP. Fill in your own information, if you developed your own NMP.

**18-19.** Indicate the time period covered by your most recent Nutrient Management Plan. The dates are listed in your NMP.

**20.** Tabulate the field acres listed in the NMP for the land application of only animal manure-based sources.

**21.** Animal type and number. Identify the type and number of animals on the operation during 2021. If your animal type is not listed, include the type and number under "other".

**Crop Production & Nursery/Greenhouse**

**22-25.** Provide the total acreage/ sq. ft. managed under the technologies or practices described. Only count acres once in calendar year 2021 regardless of the number of crops planted. The total acreage cannot exceed Question 11 - Total Farmed Acres.

**Poultry**

**26-27.** Indicate the number, in **1000's**, of birds per flock, and then the number of flocks raised in 2021.

**28.** Provide the name of the poultry operation's integrator for the birds produced under contract.

**29.** List how many poultry houses were in operation during all or part of 2021.

**30.** List the total square footage (length x width in feet) for all poultry houses added together.

**Poultry Litter**

**31.** List all of the poultry litter in tons that was removed from all houses by crust-outs during 2021. Check the box if litter was windrowed between flocks at any time during 2021.

**32.** List total tons of poultry litter removed from partial or total cleanout(s) of all houses during 2021.

**33.** List total tons of on-farm generated poultry litter that was collected during the previous year in 2020 and remained non-applied in storage or stockpiled.

**34.** List total tons of on-farm collected poultry litter and the acres it was land-applied on your farm operation in 2021.

**35.** List total tons of imported poultry litter that was land applied in 2021 from storage or stockpiled sources from the previous year. List the total acres applied.

**36.** List the total acreage of poultry litter incorporated within 48 hours with vertical tillage equipment. This does not include a disc.

**Commercial Fertilizer**

**37-40.** Provide the total acreage managed under the technologies or practices described. Only count acres once in calendar year 2021 regardless of the technology or practice. The total acres cannot exceed Question 11 - Total Farmed Acres.

**Manure/Organics Storage**

**41.** Indicate the number of storage structures. Check box if None.

**42.** Report total available manure/organics storage capacity.

**43.** Check if you did or did not have temporary stock piles of manure/organics on your operation during 2021.

### **Manure/Organics other than poultry litter**

**44-46.** Provide the total acreage managed under the technologies or practices described. Only count acres once in calendar year 2021 regardless of the technology or practice. The total acres cannot exceed Question 11 - Total Farmed Acres.

**47.** List the volume of on-farm collected manure/organics, which includes wastewater, in 2021.

**48.** List the volume of on-farm generated manure/organics (including wastewater) that was collected and stored or stockpiled during 2020, AND was not applied in 2021.

**49.** Check the manure/organics type and list total tons and/or gallons of on-farm generated manure/organics (including wastewater) that was collected in 2021 and was land applied to your farm operation. List the total acres applied for each solid and liquid source. Report only one source type, volume amount, and land applied acres for each of the three sections as needed. Use additional pages, if needed.

**50.** List total tons/gallons of imported manure/organics, which includes wastewater, that was land applied in 2021 from storage or stockpiled sources from the previous year. List the total acres applied for each solid and liquid source.

### **Imported Manure, Biosolids, Food Waste or Other Organics on your farm operation**

**51.** Complete the chart provided listing all manure, biosolids, food waste, and/or other organics imported to your farm operation in 2021. Make a separate entry for each location and type of material imported. List name of person and farm the material originated, along with street, city, county, state, and zip code. Manure brokers are not to be included in this chart. Operators must obtain and report the location of the farm or business from which the material was originated. Check type of imported manure/organics, list volume in gallons or tons and acreage material was applied. If material is not listed, write in name on the line provided. Attach additional sheets if needed. If there were no manure/organic sources imported in 2021, check the box for None.

### **Exported Manure, Food Waste or Other Organics that left your farm operation**

**52.** Complete the chart provided listing all manure, food waste, and/or other organics exported from your farm operation in 2021. Make a separate entry for each location and type of material exported. List name of person and farm/entity the material was exported to, along with street, city, county, state, and zip code. Manure brokers may be recipients in some instances and should be included in this chart if they received exported material from your operation. Check type of exported manure/organics, list volume in gallons or tons that material was exported. If material is not listed, write in name on the line provided. Alternative use facility examples would include regional

compost operations, pelletized litter facilities, etc. Attach additional sheets if needed. If there were no manure/organic sources exported in 2021, check the box for None.

### **Summary of Nutrient Application by Crop Table**

**53.** List all crops, hay, pasture, agricultural products, or horticultural products and the acres of each. List all crops grown, even if no nutrients were applied - write NONE APPLIED across the row. The total pounds of available nutrients applied means acres x nutrient. Example: 100 acres of corn with an application of 150-30-30 per acre would be entered as 15,000-3,000-3,000. If more than one crop was grown on the same acreage, report the number of crops times the acreage. For example, 2 crops of kale were harvested from the same 1 acre of land and each crop received 50-50-50. Report 2 acres on the vegetable row line and report 100-100-100 for the nutrients applied. List different double crops on separate lines, for example: Wheat and double crop soybeans - list wheat acres and nutrients applied under Small Grains and the soybeans under Soybeans, double crop. Under manure, biosolids or other organic sources, do not list the total Nitrogen from the manure analysis, only the Plant Available Nitrogen (PAN). The PAN information will be listed in your NMP.

### **Report Certification**

**54-56.** The person listed in Question 3 of this form, **must** sign and date this section. Forms without a signature will be incomplete and may force MDA to seek penalties.

### **For MAFO/CAFO Operations Only**

**57.** Summary of Nutrient Applications by Field. List all fields that received manure whether generated on site or imported. Provide the field size, crop grown and yield goal, actual yield harvested, soil test results, the nutrient requirements in pounds per acre for the crop grown, the organic nutrient application rate in pounds nutrient per acre and other fertilizer and biosolids applied in pounds nutrients per acre. Use additional sheets if needed.

**58.** Manure Nutrient Content. Attach copies of lab analysis reports for manure/litter used or exported from your operation in 2021. Samples must reflect 2021 manure/litter.

**59.** Unpermitted Discharges. Report the date, time, amount and source of all unpermitted discharges in 2021. Check the box if no known discharge(s) occurred.