**NUTRIENT APPLICATION SETBACKS FROM SURFACE WATER:**(5-19-15)

Setbacks for Nutrient Application are required in the development of nutrient management plans. Application and livestock setback regulations are contained under the Nutrient Application Requirements, Maryland Department of Agriculture 2012, COMAR 15.20.07.02, Maryland Nutrient Management Manual, 1-D1.

A minimum of a 10’ vegetative setback must be in place next to surface water. The chart below indicates if surface water is present that requires a setback on any farm/operation and identifies the fields that are required to have a nutrient application setback. **An application of crop nutrients using a broadcast method either with or without incorporation requires a 35’setback.** **A directed spray application or the injection of crop nutrients only requires a 10’setback.** Excepting perennial forage crops grown for hay and pasture, vegetation in the 10’ setback area may not include plants that would be considered part of the crop grown in the field (i.e. row crops). Pastures and hayfields are subject to a 10’ and/or a 35’ nutrient application setback depending on application methods. Nutrients may not be applied within the 10’ setback.

***Livestock on pasture are required to meet the minimum 10’ setback by means of fencing*** unless a Best Management Practice (BMP) is approved by MDA or a Soil Conservation and Water Quality Plan is developed and implemented that prescribes an alternative to fencing animals 10’ from surface water. Alternative BMP’s may include stream crossings, watering facilities, pasture management, or other practices that are equally protective of water quality. Sacrifice lots for livestock require a 35’ setback from surface water*.*

***If nutrients are custom-applied, it is the operator’s responsibility to inform the applicator of the setback distance based on the method of application.***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Farm Name(s)** | **Is Surface Water Present on the farm that requires a setback**  **(Yes or No)** | **Field(s) requiring a Nutrient Application Setback\*** | **Nutrient Application Setback Required**  **(Indicate with “Yes” in appropriate column(s).)** | | |
| **Livestock on Pasture**  **≥ 10 ft.** | **Directed Application\*\***  **≥ 10 ft.** | **Broadcast Application or Sacrifice Lots\*\*\***  **≥ 35 ft.** |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

**\*If a field contains multiple sources of surface water (i.e. a pond and a stream), list each separately or identify on the map.**

**\*\*Directed Application** = Directed Spray Application (Vertical Fan or Drop Nozzle), Air Flow Application, Knifed/Injected application of Nutrients, Planter Applied nutrients

**\*\*\*Broadcast Application or Sacrifice Lots** = Spinner Spreaders (Manure or Fertilizer), High Volume Horizontal Nozzles, Manure Spreaders (Box type with beaters, Splasher plates for liquid, Side Discharge V-Type)

***Additional Fields***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Farm Name(s)** | **Is Surface Water Present on the farm that requires a setback**  **(Yes or No)** | **Field(s) requiring a Nutrient Application Setback\*** | **Nutrient Application Setback Required**  **(Indicate with “Yes” in appropriate column(s).)** | | |
| **Livestock on Pasture**  **≥ 10 ft.** | **Directed Application\*\***  **≥ 10 ft.** | **Broadcast Application or Sacrifice Lots\*\*\***  **≥ 35 ft.** |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |