

NMP PURPOSE AND CONDITIONS

Purpose of the Nutrient Management Plan (NMP)

Manure and nutrient management consist of controlling the source, rate, form, timing, placement, and utilization of manure, or other organic by-products, bio-solids, and other nutrients in the soil and residues. The goal is to effectively and efficiently use the nutrient resources to adequately condition soils for growing plants that produce food, forage, fiber, and cover while minimizing the transport of nutrients to ground and surface water and environmental degradation. It is used in conjunction with crop rotations, residue management, pest management, conservation buffer practices, and/or other practices needed on a site-specific basis to address natural resource concerns and landowner objectives.

Due to the flat topography, well drained soils, and vegetation, little to no water erosion should occur. With good vegetative cover on the fields and the use of prescribed grazing little to no wind erosion should occur. Duration, intensity, frequency, and season of grazing in or near surface waters will be applied in such a manner as to not cause erosion problems. Therefore, this NMP will focus on addressing water quality concerns.

Nitrogen (N) and phosphorus (P) are the two nutrients most often identified as impairing the quality of ground and surface water. N leaching out of the root zone can be transported to surface water or leach to ground water. N above 10 ppm in drinking water is a health risk. P leachate or runoff entering the surface water contributes to excessive algal growth causing low oxygen levels in surface water that impairs aquatic life and contributes to bad tasting water. This manure and nutrient management plan minimizes the transport of N and P to surface and groundwater.

Conditions

Florida Statute 403 and Title 62 of the Florida Administrative Code and the rules and regulations promulgated thereunder cover the protection of surface and groundwater. This NMP provides the basic information on how animal wastes produced on this operation will be managed and utilized. Following this NMP will keep the operation in compliance with the State of Florida Rules and Regulations.

Note: If the number of livestock changes, fields change, crop rotations changes, the method of storage changes, or if the method of application needs to change, the landowner/operator will need to contact the NRCS or an appropriate certified specialist to revise the NMP.

Utilization of Excess Manure

If wastes will be utilized on lands not controlled by the landowner, an agreement shall be signed by the individual, broker, or group accepting the waste stating:

The animal waste will be applied to land to meet the minimum NRCS Field Office Technical Guide conservation practice standards Waste Utilization, Code 633 and Nutrient Management, Code 590; or have a NMP developed on their land by NRCS or certified specialist.

Quantities of manure transported off-site shall be recorded, including the name of recipient, address, date, nutrient content, and amount transported.

Goals

The landowner's goals for this operation are as follows:

1. Maintain and improve the economic return from the cattle feeding and dairy operations.