

Nutrient Application Restrictions in Sensitive Areas

Restrictions based on [state requirements of Minnesota 7020 Feedlot Rules](#) (blue text followed by a [state requirement](#) statement) and USDA-NRCS requirements for individuals participating in cost-share programs (all restrictions listed).

Environmentally Sensitive Features	Non-Winter Applications	Winter Applications (When soil is frozen, snow-covered or actively thawing)
Surface Waters - Intermittent Streams, DNR Protected Wetlands, Drainage Ditches without Berms, Lakes, Streams	Without a Filter Strip – <u>Within 25 Feet of surface waters - Do Not Apply Manure</u> <i>(State requirement)</i> <u>Within 300 Feet of surface waters - Inject or incorporate manure within 24 hours</u> <i>(State requirement)</i> If soil test phosphorous levels exceed 21 ppm Bray P1 or 16 ppm Olsen - Apply Manure at Phosphorous Removal Rates <i>(State requirement)</i>	Within 300 Feet - Do Not Apply Manure <i>(State requirement)</i>
	With a Filter Strip – <u>100 Feet Wide</u> around Lakes and Streams <i>(State requirement)</i> <u>50 Feet Wide</u> around Intermittent Streams, DNR Protected Wetlands, Drainage Ditches without Berms <i>(State requirement)</i> Manure may be applied outside of the filter strip area	
Open (Surface) Tile Intakes	Within 300 Feet – Inject or incorporate manure within 24 hours <i>(State requirement)</i>	Within 300 Feet - Do Not Apply Manure <i>(State requirement)</i>
Water Supply Wells (Active or Inactive), Mines, Quarries	Within 50 Feet - Do Not Apply Manure <i>(State requirement)</i>	
	Within 300 Feet – Inject or incorporate manure within 24 hours	Within 300 Feet - Do Not Apply Manure
Sinkholes - receiving surface runoff (MPCA), and other direct conduits to ground water (NRCS)	Within 50 Feet - Do Not Apply Manure <i>(State requirement)</i>	
	Within 300 Feet - Inject or incorporate manure within 24 hours <i>(State requirement)</i>	Within 300 Feet - Do Not Apply Manure
Road Ditches	Do Not Apply Directly Into <i>(State requirement)</i>	
Fields with sheet and rill losses greater than 6 tons/acre/year	Do Not Apply Manure	
Fields with uncontrolled ephemeral erosion	Do Not Apply Manure	
Established Waterways, Ditches and other water conveyance systems	Do Not Apply Manure	
Frequently Flooded Soils as classified by NRCS	During usual peak flooding periods, do not apply manure	Do not apply manure
	When the probability of flooding is low, incorporate manure within 2 days	Do not apply commercial nitrogen or phosphorous fertilizer
	During usual peak flooding periods, Incorporate commercial fertilizer applications within 24 hours	
Fractured Bedrock	Apply manure in a manner that maintains at least 15 inches of soil separation between applied manure and fractured bedrock	
High Water Table Soils	Apply manure in a manner that maintains at least 15 inches of soil separation between applied manure and the high water table	
Coarse Textured Soils	In Fall, Delay manure applications until daily average soil temperatures at a 6-inch depth are below 50 degrees F.	
	In Fall, Avoid liquid manure applications when possible	
	In Fall, Do not apply commercial nitrogen fertilizer	
	Use sidedress or split applications of commercial nitrogen fertilizer	