

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