Check List for Setback and Application Restrictions

**Prohibition Areas**
- Concentrated flow channels with established vegetative cover
- Vegetative buffer areas
- Non-farmed wetlands
- Land where established vegetation is not harvested
- Area within **50 ft of a well**
- Within **200’ upslope of direct conduits to groundwater**, unless incorporated within 3 days
  - Wells
  - Sinkholes
  - Fractured bedrock at the surface
  - Gravel/sand pits

**FROZEN SOILS**, DO NOT apply nutrients:
- Within the surface water quality management (SWQMA) areas - **1000’ of lakes**, **300’ of perennial streams** (refer to map on next page)
- On slopes >9% (can apply manure on slopes up to 12% where cropland is contoured or contour strip cropped)
- apply manure P2O5 so as not to exceed current year’s crop removal and limit liquid manure applications to **7,000 gallons/acre**

**Limit available N applications on:**
- **high permeability soils**
- **soils with less than 20 inches to bedrock**
- **soils with less than 12 inches to apparent groundwater:**

  50°F or less in the Fall:
  - Limit available manure N to 120 lbs/A
  
  Greater than 50°F in the Fall (pick one):
  - Limit available manure N to 120 lbs./A + nitrification inhibitor
  - Limit manure applications to crop N need or 120 lbs. ac + on perennial or fall seeded crops
  - Limit available manure N to 90 lbs. / ac + apply after Sept. 15th
Check List for Setback and Application Restrictions

Non-frozen soils within a SWQMA:
- No liquid manure (<12% solids) applications on saturated soils!

Use one or more of the following practices:
1. Establish & maintain permanent vegetative buffers
2. Maintain 30% crop cover on soil surface after application
3. Incorporate nutrients within 72 hours
4. Cover crop established promptly following application

Maximum Rates of Unincorporated Liquid Manure Applied on Non-frozen soils within a SWQMA:

<table>
<thead>
<tr>
<th>Surface Texture Class</th>
<th>Manure Application Rate, gallons/acre</th>
<th>Allowable Soil Moisture Description for Applications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fine</td>
<td>&lt;30%* 3,000 &gt; 30%* 5,000</td>
<td>Easily ribbons out between fingers, has a slick feel</td>
</tr>
<tr>
<td>Medium</td>
<td>5,000 7,500</td>
<td>Forms a ball, is very pliable, slicks readily with clay</td>
</tr>
<tr>
<td>Coarse</td>
<td>7,000 10,000</td>
<td>Forms a weak ball, breaks easily</td>
</tr>
</tbody>
</table>

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