Using the right nitrogen (N) rate for corn production is the single most important N management decision for optimizing profits and protecting the environment. Use the list below to determine the right rate for your fields.

1. Find the base N rate for the field’s soil. (See other side). Field no. ______

2. Determine the preplant soil nitrate credit.
   If conditions warrant. Find out here*. 

3. Take legume N credits.
   See legume N card or UWEX publication A3517

4. Take manure N credits.
   See manure N card or UWEX publication A3568

5. Calculate adjusted N recommendation.
   Subtract all credits from the base soil N rate. ___________ lbs N/acre

*Check all that apply to field.

- Corn following N fertilized corn
- 2nd year corn after alfalfa that received manure
- Previous year’s rainfall was below normal
- Long history of manure application

If you checked two or more, the preplant soil nitrate test (PPNT) will be beneficial.
### Corn Nitrogen Recommendations

<table>
<thead>
<tr>
<th>Soil Organic Matter %</th>
<th>SANDY OR LOAMY SANDS</th>
<th>OTHER SOILS</th>
<th>Yield potential</th>
<th>LBS / ACRE OF NITROGEN TO APPLY</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Irrigated</td>
<td>Non-irrigated</td>
<td>Very high &amp; high</td>
<td>Medium &amp; low</td>
</tr>
<tr>
<td>&lt; 2</td>
<td>200</td>
<td>120</td>
<td>180</td>
<td>150</td>
</tr>
<tr>
<td>2.0 - 9.9</td>
<td>160</td>
<td>110</td>
<td>160</td>
<td>120</td>
</tr>
<tr>
<td>10 - 20</td>
<td>120</td>
<td>100</td>
<td>120</td>
<td>90</td>
</tr>
<tr>
<td>&gt; 20</td>
<td>80</td>
<td>80</td>
<td>80</td>
<td>80</td>
</tr>
</tbody>
</table>

1. To determine a soil’s yield potential, consult the UWEX publication *Soil test recommendations for field, vegetable and fruit crops* (A2809), or contact your agronomist or county agent.
2. Irrigated non-sandy soils with a medium/low yield potential should use the very high/high recommendation.
3. If more than 50% residue cover remains on the surface, increase N by 30 lb/acre for the first 2 years.

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For more information about nutrient crediting, contact the Nutrient and Pest Management Program at (877) 426-0176 (internet: ipcm.wisc.edu), or your UWEX county agent. University of Wisconsin-Extension, College of Agricultural and Life Sciences.