

## ACWA 2022

### Code of Practice for Nitrogen Fertilization

<b>Purpose:</b>	To establish reasonable and practicable guidelines for nitrogen fertilization applications to reduce nitrate loss from farm fields.
<b>Why:</b>	Effective management of nutrients on farms in the watershed is one of the keys to enhancing both environmental quality and profitable crop production. Consistent with the Iowa Nutrient Reduction Strategy, this Code of Practice provides information about guidelines adopted by the ACWA members as a condition of membership.
<b>Application Guidelines &amp; Self - Reporting:</b>	<ol style="list-style-type: none"> <li>1. A nutrient budget for nitrogen, phosphorus and potassium shall be developed that considers all potential sources of nutrients including manure, legumes, etc. Nutrient recommendations shall be based on current soil test results, realistic yield goals, environmental impact, and producer management capabilities.</li> <li>2. Use one of two methods to document soil temperature at the time of application decision: <ul style="list-style-type: none"> <li>• Standardized county temperature and forecast maps are found at <a href="http://extension.agron.iastate.edu/NPKnowledge/">http://extension.agron.iastate.edu/NPKnowledge/</a></li> <li>• 4" in-field soil temperature check and reading recording method used on self-reporting form</li> </ul> </li> <li>3. Delay fall anhydrous applications without a nitrification inhibitor until soil temperatures are 50° F, trending lower</li> <li>4. <u>Use the online ACWA Self-Reporting System to document conformance with the requirement:</u> <ul style="list-style-type: none"> <li>• Regular ACWA Board Member assigns staff responsibility to report the start of application for all counties within the member trade area.</li> <li>• Self-reporting system is online at: <a href="#">ACWA Self Recording Form</a> (a specific username and password have been assigned for each member organization). Simple, easy, and takes less than 1-minute to complete on a computer, cell phone, or other electronic devices.</li> <li>• Any questions contact: Roger Wolf, ACWA Executive Director, <a href="mailto:roger@acwaiowa.com">roger@acwaiowa.com</a> or at 515-205-9225 or Kristen Dearden, ACWA Membership Services &amp; Outreach Manager, <a href="mailto:kristen@acwaiowa.com">kristen@acwaiowa.com</a> 515-334-1482.</li> </ul> </li> <li>5. Regardless of the time of year application occurs, encourage the use of other supporting nutrient management technologies such as stabilizers, slow-release fertilizers, incorporation or injection, soil nitrate testing and other technologies that minimize loss to surface or groundwater resources.</li> <li>6. If the producer is participating with USDA Conservation Programs additional considerations for producer conformance with NRCS 590 Nutrient Management standards shall be followed. For guidance and requirements see standard: <a href="#">590 Nutrient Management (usda.gov)</a></li> <li>7. Encourage the use of other supporting practices where feasible: <ul style="list-style-type: none"> <li>• Tile line denitrification bioreactor</li> <li>• Constructed wetland</li> <li>• Conservation stream buffer and/or saturated buffer strips</li> <li>• Fall cover cropping system</li> </ul> </li> </ol>

