



# Nutrient Management Fact Sheet: Indiana

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*Disclaimer:* This document does not constitute legal advice and is intended for educational purposes only. Readers and users are solely responsible for determining, and complying with, all federal, state and local laws, ordinances and regulations.

## Nutrient Management Plans

Topic	Summary
Coverage	<p><a href="#">Confined feeding operation</a> (CFO) dairies with 300 mature dairy cows or more must request and receive Indiana Department of Environmental Management (IDEM) approval (permit) before operating, starting construction, or expanding a CFO. A Manure Management Plan is required under the IDEM regulations and permits.</p> <p>CAFOs (700 mature dairy cows) that discharge into waters of the U.S. are required to obtain an NPDES permit, including a Nutrient Management Plan.<sup>1</sup></p> <p>A state fact sheet explaining the regulations and requirements for CFOs and CAFOs can be found <a href="#">here</a>.</p>
Content	<p>Manure Management Plans are required for dairies with 300 or more mature dairy cows. The plan must include:<sup>1</sup></p> <ul style="list-style-type: none"> <li>- Procedures for soil testing.</li> <li>- Procedures for manure testing.</li> <li>- Plot maps.</li> <li>- Land application acreage requirements waiver.</li> <li>- Alternative methods for managing manure.</li> </ul> <p>IDEM Forms can be found <a href="#">here</a>.</p>
Frequency of Updates	IDEM must review and approve CFOs every 5 years, including an updated Manure Management Plan.
Paperwork	Manure Management Plans must be included in IDEM CFO permit applications.
Planner Qualifications	The Manure Management Plan section of the IDEM CFO permit application does not specify planner requirements.

## Manure Storage and Application

Topic	Summary
Overview	<p>Manure Management Plans are required for CFOs and CAFOs.</p> <p>Other requirements that may apply include the <a href="#">State Chemist Fertilizer Applicator Certification Rule</a> and the <a href="#">Satellite Manure Storage Structures</a> permits.</p>

<sup>1</sup> Note: There are no NPDES permitted CAFOs in Indiana. See EPA [website](#) for details.



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<p>Storage</p>	<p><a href="#">Facility Siting/Setback</a></p> <p>Minimum setback distances for waste management systems include:<sup>2</sup></p> <ul style="list-style-type: none"> <li>- 1,000 feet from a public water supply well or public water supply surface intake structure.</li> <li>- 400 feet from existing off-site residential and public buildings.</li> <li>- 300 feet (liquid manure storage structures) or 100 feet (solid manure storage structures) from surface water, drainage inlets, sinkholes, and off-site water wells.</li> <li>- 100 feet from on-site water wells, property lines, and public roads.</li> </ul> <p><a href="#">Structure</a></p> <p>Indiana has several requirements for the design, construction, and liners of manure storage structures. Construction specifications and practice standards can be found <a href="#">here</a>.<sup>3</sup></p> <p><a href="#">Storage Length</a></p> <p>Solid manure storage structures must be designed, constructed and maintained with a capacity of at least 180 days.<sup>4</sup></p>
<p>Application</p>	<p><a href="#">Spreading</a></p> <p>CFOs land applying manure must meet minimum acreage calculations.<sup>5</sup> CFOs can apply manure on frozen or snow-covered ground during an emergency or with approval from the commissioner on a case-by-case basis.<sup>6</sup></p> <p>Land application setbacks for manure and wastewater are based on Table 1 of the <a href="#">Indiana NRCS Conservation Practice Standard 590</a>.<sup>7</sup></p> <p><a href="#">Incorporation</a></p> <p>Application of manure on snow-covered ground is discouraged, but injection, or same-day incorporation, of manure into the soil is not considered surface application.<sup>8</sup></p> <p><a href="#">Testing</a><sup>9</sup></p> <p>Soil testing frequency must be specified in the manure management plan and must be a minimum of once every four years.<sup>10</sup> Manure testing frequency must be specified in the manure management plan and must be a minimum of once every year.<sup>11</sup></p>

### Technical Assistance

Topic	Summary
<p>Software Tools</p>	<p><a href="#">Manure Management Planner (MMP)</a> is a software tool created by Purdue University (Purdue) that includes state-specific information for Indiana producers to create manure management plans for crop and animal feeding operations.</p>



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	<ul style="list-style-type: none"> <li>- Producers can add the <a href="#">MapWindow GIS + MMP Tools</a> for additional assistance in developing a comprehensive nutrient management plan (CNMP).</li> </ul>
Guides / Handbooks	<p>Indiana NRCS offers the following resources for producers interested in implementing nutrient management practices on their operations:</p> <ul style="list-style-type: none"> <li>- <a href="#">CNMP Resources</a>, including several checklists, samples, and templates to provide guidance for plan development.</li> <li>- <a href="#">Manure Management Resources</a>.</li> </ul> <p>Purdue Extension offers the following resources:</p> <ul style="list-style-type: none"> <li>- Manure Management <a href="#">site</a>, containing manure management related publications, projects, and links.</li> <li>- Informational articles:             <ul style="list-style-type: none"> <li>o <a href="#">Implementing Site-Specific Management: Liquid Manure Application</a>.</li> <li>o <a href="#">CAFOs: Manure Storage Systems</a>.</li> <li>o <a href="#">Tips for Environmentally Friendly Phosphorus Applications in Indiana</a>.</li> </ul> </li> </ul> <p>Indiana Department of Environmental Management (IDEM) provides factsheets for <a href="#">Confined Feeding Operations</a> to provide assistance on compliance and requirements.</p>
Classes / Trainings	<p>The Office of Indiana State Chemist, located at Purdue, offers Agriculture Fertilizer Applicator Certification class information <a href="#">here</a>.</p>

### Financial Assistance

#### Summary

Indiana NRCS provides assistance through:

- Environmental Quality Incentives Program ([EQIP](#)) - offers financial cost-share assistance to farmers for the adoption of conservation practices and development of nutrient management plans.
  - o Producers can use EQIP funds to develop NMPs and CNMPs through the Conservation Activity Plan (CAP) option.
- Conservation Stewardship Program ([CSP](#)), which gives producers financial assistance to implement new conservation management practices and enhancements.

<sup>1</sup> [Section 327 IAC 19-7-5 - Manure management plan, 327 Ind. Admin. Code 19-7-5 | Casetext Search + Citor](#)

<sup>2</sup> [Section 327 IAC 19-12-3 - Setbacks, 327 Ind. Admin. Code 19-12-3 | Casetext Search + Citor](#)

<sup>3</sup> [Section 327 IAC 19-12-4 - Storage capacity and design requirements, 327 Ind. Admin. Code 19-12-4 | Casetext Search + Citor](#)

<sup>4</sup> [Section 327 IAC 19-12-4 - Storage capacity and design requirements, 327 Ind. Admin. Code 19-12-4 | Casetext Search + Citor](#)

<sup>5</sup> [Section 327 IAC 19-14-2 - Required acreage for manure application, 327 Ind. Admin. Code 19-14-2 | Casetext Search + Citor](#)

<sup>6</sup> [327 IAC 19-14-4 - Manure application activities | State Regulations | US Law | LII / Legal Information Institute \(cornell.edu\)](#)

<sup>7</sup> [https://www.in.gov/idem/cfo/files/guidance\\_manual\\_cfo\\_program.pdf](https://www.in.gov/idem/cfo/files/guidance_manual_cfo_program.pdf)

<sup>8</sup> [https://www.in.gov/idem/cfo/files/guidance\\_manual\\_cfo\\_program.pdf](https://www.in.gov/idem/cfo/files/guidance_manual_cfo_program.pdf)



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<sup>9</sup> [327 IAC 19-14-3 - Manure application rates | State Regulations | US Law | LII / Legal Information Institute \(cornell.edu\)](#)

<sup>10</sup> [327 IAC 19-7-5 - Manure management plan | State Regulations | US Law | LII / Legal Information Institute \(cornell.edu\)](#)

<sup>11</sup> [327 IAC 19-7-5 - Manure management plan | State Regulations | US Law | LII / Legal Information Institute \(cornell.edu\)](#)