Partnerships for Success
Drinking Water Protection

Ryan Chapman  Nebraska Department of Environment & Energy
Drinking Water Protection

CWA Section 319
DWSRF 15%
Farm Bill 10%
Community Public Water Systems

88% of Nebraskan’s Drink Groundwater
Integrated Programs/Staff

NRCS: 319
Nebraska Natural Resources Districts: 319
University of Nebraska Extension: 319
TMDL: 319
Integrated Report: 319
401 Permits: 319
Stormwater Grants: 319
Wellhead Protection: 319
Sourcewater Protection: 319
State Lakes Coordinator: 319
Surface Water Assessment: 319
CWA-NPS: 9-Element Watershed Management Plan
Alternative to a 9-Element Watershed Management Plan

Bazile Groundwater Management Area (BGMA)

http://deq.ne.gov/publica.nsf/pages/16-013
Drinking Water Protection Management Plans
USDA-NRCS: National Water Quality Initiative
Farm Bill 10% SWP Provision

Potential Priority Practices (TBD)
- Reduced nitrogen application
- Nitrogen scavenging cover crops
- Split nitrogen application
- Delayed nitrogen application
- Nitrification inhibitors
- Change crop rotation (CCB to CB)
- Small grain/forage/grass rotation
- Irrigation management
- Integrated pest management
- Split Atrazine application
- Atrazine applied post planting
- Atrazine rate reduction (≥0.5lbs)
- Alternative herbicide
- Buffer strips
- Change crop rotation (CCB to CB)
- Cover crop/small grain/forage

EQIP Source Water Protection Priorities Areas

Drafted by Elbert Traylor and Sam Radford (NDEE) from work group input.

<table>
<thead>
<tr>
<th>CRITERIA FOR PRIORITY LEVELS</th>
<th>PRIORITY</th>
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<tbody>
<tr>
<td>Applications located within a Wellhead Protection Area as delineated by NDEE, OR</td>
<td>+</td>
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<tr>
<td>Applications located within a delineated watershed that directly drains to a surface water intake of a public water system.</td>
<td>+</td>
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<tr>
<td>Applications located within a Phase 2, 3, or 4 Groundwater Quality Management Area encompassing ≥ 1 Well Head Protection Area, OR</td>
<td>+</td>
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<tr>
<td>Applications located within a delineated Groundwater Quantity Management Area encompassing ≥ 1 Wellhead Protection Area².</td>
<td>+</td>
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<tr>
<td>Applications located in a delineated Phase 1 Groundwater Quality Management Area encompassing ≥ 1 Wellhead Protection Area³.</td>
<td>+</td>
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<tr>
<td>Ineligible: Applications located within an area that does not fit the definitions above.</td>
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Drinking Water Protection

Position Diversity

Partnerships
Questions?