Cost-Share Opportunities on Delmarva

Michael Brown
Delaware DNREC

Cost-Share = Environmental Benefits

Land-use Loading Rates

<table>
<thead>
<tr>
<th>Land-use</th>
<th>TN (lbs/acre/yr)</th>
<th>TP (lbs/acre/yr)</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>Developed</td>
<td>20.0</td>
<td>0.7</td>
<td>Ward, 2001</td>
</tr>
<tr>
<td>Agriculture</td>
<td>21.0</td>
<td>0.8</td>
<td>Average of Ritter, 1986 and Ward, 2001</td>
</tr>
<tr>
<td>Grasslands</td>
<td>12.5</td>
<td>0.6</td>
<td>Average of Ritter’s (1986) ag. and forest</td>
</tr>
<tr>
<td>Forests</td>
<td>5.0</td>
<td>0.4</td>
<td>Ritter, 1986</td>
</tr>
<tr>
<td>Wetlands</td>
<td>0.0</td>
<td>0.0</td>
<td>Ritter, 1986</td>
</tr>
<tr>
<td>Rainfall</td>
<td>12.0</td>
<td>0.7</td>
<td>Ritter, 1986</td>
</tr>
</tbody>
</table>

Poultry Manure Structure

Federal Cost-Share $ +
State Cost-Share $ =
Winner for Landowners and Operators

Poultry Manure Structure

Delaware
Kent
- 75% Cost-Share
- $20,000 cap
Sussex
- 75% Cost-Share
- $20,000 cap

Maryland – All Counties
- 75% Cost-Share
- $20,000 cap

Virginia – Both Counties
- 75% Cost-Share
- $50,000 cap
Poultry Composter

<table>
<thead>
<tr>
<th>Delaware</th>
<th>Maryland – All Counties</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kent</td>
<td>87.5% Cost Share</td>
</tr>
<tr>
<td>Sussex</td>
<td>75% Cost-Share $7,000 cap</td>
</tr>
</tbody>
</table>

Kent ▪ 87.5% Cost Share ▪ Size dependent cap
Sussex 75% Cost-Share $15,000 cap

Poultry Incinerators

<table>
<thead>
<tr>
<th>Delaware</th>
<th>Kent County 50% Cost-Share</th>
<th>Sussex County 75% Cost-Share</th>
</tr>
</thead>
<tbody>
<tr>
<td>Virginia</td>
<td>90%/50% Cost-Share $6,000 cap</td>
<td></td>
</tr>
</tbody>
</table>

Virginia ▪ 90% / 75%

Heavy Use Area Protection (HUAP)

<table>
<thead>
<tr>
<th>Delaware</th>
<th>75% Cost-Share $2.50 /sq. ft. cap</th>
</tr>
</thead>
<tbody>
<tr>
<td>Virginia</td>
<td>90% / 75%</td>
</tr>
</tbody>
</table>
Heavy Use Area Protection

Equipment

Equipment

Additions to Existing Structures

Additions to Existing Structures

Roof Runoff Structure
Roof Runoff Structure

Poultry Windbreaks

Certified Nutrient Management Planning

Rentar
**Does nutrient management planning make a difference?**

\[
\text{TN Load Reduction due to NMP} (\text{lb/yr}) = 100 \text{ Acres} \times \text{Loading Rate (21 lbs TN/acre/yr)} \times \text{Reduction Efficiency (20.5\%)}
\]

\[430.5 \text{ lbs TN/yr}\]

**State Revolving Fund (SRF)**

- Supports poultry, dairy, and other conservation practices that minimize NPS impacts
- Provides low interest loans which are often used in concert with cost-share funds

**Poultry Component**

- 3% loans
- $1,000 to $60,000
- 1 to 7 years

**SRF Expansion**

**Eligible Participants**

- Private Landowners
- Homeowner Associations
- Corporations
- Municipalities
- County Government
- State Government
- Non-Profit Organizations
- Estuary Programs

**Eligible Practices for SRF Expansion**

- Sediment & Stormwater Management Practices
- Nutrient Management BMPs and Equipment
- Restoration of Water bodies
- Land Purchase or Conservation Easements for Water Quality Protection
- Implementation of Estuary Conservation & Management Plans

**FY06 Delaware State Cost-Share**

<table>
<thead>
<tr>
<th>NCDE</th>
<th>KCD</th>
<th>SCD</th>
<th>Failed Systems</th>
<th>Total CS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nutrient Mgmt CS</td>
<td>$710,000</td>
<td>$345,000</td>
<td>$745,000</td>
<td>$1,800,000</td>
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<tr>
<td>Regular CS</td>
<td>$600,000</td>
<td>$600,000</td>
<td>$600,000</td>
<td>$1,800,000</td>
</tr>
<tr>
<td>Rentar</td>
<td>$205,000</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Deer</td>
<td>$75,000</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td></td>
<td>$3,205,000</td>
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</tbody>
</table>
Everyone loves chicken!