Irrigation Water Sample

Operator Information:
Name: ________________________________
Mailing Address: ________________________________
Phone No: ________________________________
Delivered By: ________________________________

Instruction for collecting Irrigation Water Sample:
1. You may use your own sample container or the NRD will provide you with a clean sample bottle. If you are using your own container, it is recommended that you use a clean glass jar (1 cup is plenty of water).
2. Collect the sample from a hydrant, leak, or faucet that is connected to the waterline closest to the well.
3. Let the water run for at least 10 minutes before collecting the sample.
4. Rinse the container with water 3 times before collecting the sample.
5. Fill the container approximately 1/2 inch from the top.
6. Rinse the lid and place it securely on the container.
7. If you unable to deliver the sample immediately, please keep sample cold and deliver to the NRD office (319 East 25th St, York) within 48 hours of collection (no later than noon Monday – Friday). Keep the sample cool during transport – samples cannot be mailed in.

LOCATION WHERE WELL WAS TESTED:

1. Name of Farm: ________________________________ Date of Sample: __________
   Legal Description: ________________________________ Test Results: __________ (ppm)
   County: ________________________________ State Registration No. ________________________________ (office use only)

2. Name of Farm: ________________________________ Date of Sample: __________
   Legal Description: ________________________________ Test Results: __________ (ppm)
   County: ________________________________ State Registration No. ________________________________ (office use only)

3. Name of Farm: ________________________________ Date of Sample: __________
   Legal Description: ________________________________ Test Results: __________ (ppm)
   County: ________________________________ State Registration No. ________________________________ (office use only)

4. Name of Farm: ________________________________ Date of Sample: __________
   Legal Description: ________________________________ Test Results: __________ (ppm)
   County: ________________________________ State Registration No. ________________________________ (office use only)

Are these samples being taken to meet Phase III requirements?

☐ Yes
☐ No

District Use Only

Cooperator No. __________________ Initials
Date Received __________________
Date Analyzed __________________
Results Sent __________________
Date Entered __________________
Available nitrogen in irrigation water

<table>
<thead>
<tr>
<th>Water Applied (inches)</th>
<th>Nitrate-nitrogen in water (ppm)</th>
<th>(lb of nitrogen added per acre)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>5</td>
<td>10</td>
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<tr>
<td>6</td>
<td>7</td>
<td>14</td>
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<td>17</td>
<td>34</td>
</tr>
<tr>
<td>20</td>
<td>23</td>
<td>45</td>
</tr>
</tbody>
</table>

Example: Calculating the irrigation water credit

Irrigation water contains 15 ppm nitrate-nitrogen. **Ten** inches of water are applied to corn by furrow irrigation during July and early August. How much crop available nitrogen is in the water?

\[
\text{(ppm)} \times (0.23) \times (\text{in. of water}) = \text{lbs of nitrogen/acre in the water}
\]

\[
15 \times .23 \times 10 = 34.50 \text{ lbs of nitrogen available}
\]