



UPPER BIG BLUE Natural Resources District

319 East 25th St.
York, Nebraska 68467

402-362-6601
Fax: 402-362-1849
www.upperbigblue.org

Irrigation Water Sample

Operator Information:

Name: _____

Mailing Address: _____

Phone No: _____

Delivered By: _____

Are these samples being taken to meet **Phase III requirements?**

Yes

No

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.**

District Use Only	
Cooperator No. _____	Initials _____
Date Received _____	_____
Date Analyzed _____	_____
Results Sent _____	_____
Date Entered _____	_____

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)

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

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

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

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

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

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

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

Available nitrogen in irrigation water								
Water Applied (inches)	Nitrate-nitrogen in water (ppm)							
	5	10	15	20	25	30	35	40
	(lb of nitrogen added per acre)							
6	7	14	20	27	34	41	48	54
9	10	20	30	41	51	61	72	82
12	14	27	41	54	68	81	95	109
15	17	34	51	68	85	102	119	136
20	23	45	68	91	114	136	159	182

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?

(ppm) x (0.23) x (in. of water) = lbs of nitrogen/acre in the water

15 x .23 x 10 = 34.50 lbs of nitrogen available