



**SOUTH DAKOTA STATE  
UNIVERSITY EXTENSION**

# Microbial Water Testing Submission Form

Produce Growers

## Farmer/Producer Contact Information

Name: \_\_\_\_\_

Address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Phone/Cell: \_\_\_\_\_ Fax or Email: \_\_\_\_\_

Send Results Via (check all that apply):      Fax      Email      Phone      Other (please specify: \_\_\_\_\_)

## Sample Submission Information:

No.	Source: Surface (S) Ground (G) Other (O) [circle one]			Sample ID: (i.e. west well, north pond, etc.). For Surface water, please specify pond, creek, or other. For Other, please specify water source (i.e. municipal water, etc.)	Date and Time Collected:	Additional Information: notes on sample source (at end of irrigation line) or environmental conditions (heavy rainfall night before)	Date and Time Tested: (lab use only)	Test Result: (Reported as MPN generic <i>E. coli</i> /100ml)	Test Result: (Reported as MPN coliforms/100ml)
1	S	G	O						
2	S	G	O						
3	S	G	O						
4	S	G	O						
5	S	G	O						
6	S	G	O						
7	S	G	O						
8	S	G	O						
9	S	G	O						
10	S	G	O						

**Notes:** Samples were tested using IDEXX Colilert Test Kit Quanti-Tray 2000 for generic *Escherichia coli* (*E. coli*) quantification, which is one of the methods that is acceptable under the Food Safety Modernization Act (FSMA) Produce Safety Rule water testing requirements. The results of this test are reported as the Most Probable Number (MPN)/100ml, synonymous with colony forming units (CFU)/100ml, which is the unit specified in the FSMA regulations.

- For compliance with the FSMA produce safety rule, the test result must be 0 (will be reported as <1) CFU generic *E.coli*/100 mL water for POST-harvest water. It is also a best practice to test PRE-harvest water. Please visit a website such as [ksre.k-state.edu/foodsafety/produce/fsma/](https://ksre.k-state.edu/foodsafety/produce/fsma/) for more information on water quality and produce safety in general or contact Londa Nwadike ([Londa.Nwadike@sdstate.edu](mailto:Londa.Nwadike@sdstate.edu) or 605-688-5731).
- Sample analysis results will be used only for research purposes and if reported, would only be reported in scientific journals and scientific meetings. No individual test results or contact information will be shared outside the research team.
- Our understanding is that these results would be accepted by USDA GAP/GHP auditors as well.

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