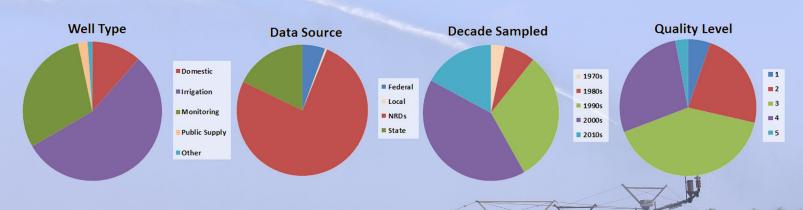
WHAT'S IN MY GROUNDWATER AND IS IT OK?

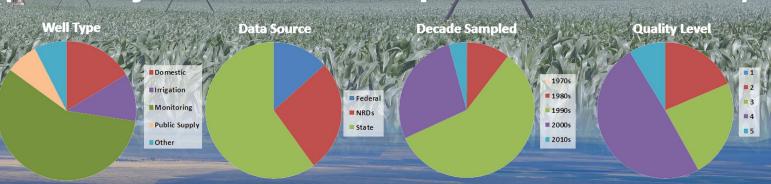
THE QUALITY-ASSESSED AGRICHEMICAL CONTAMINANT DATABASE FOR NEBRASKA GROUND WATER is a unique repository of nitrate and pesticide data collected by federal, state, and local agencies. Each record in the database has been evaluated using well-defined



Nitrates: 110,992 analyses (25,014 wells sampled from 1974 to 2013)



Pesticides: 354,227 analyses* (240 analytes; 5,370 wells sampled from 1976 to 2013)



*additional pesticide data analyzed with immunoassay methods are accessible from this website, though not contained within this database and not included in the statistics above.

Web Features:

- Search by:
- County, NRD, Contributing Agency, Legal Description, or well registration number
- Analyte (pick list)
- Quality Level (1-5)
- Sample Date
- Well type
- Select a geographic projection
- Export to a spreadsheet or as a web table
- Quick visual map query
- Download complete dataset

Submit



- 1. Select Search Criteria:
- ONRD
 OWell Location O Agency Code
- O Clearinghouse Number
- O Registration Number
- Select the Analyte(s) from the following list: The pesticide analytes are listed by chemical ingredient (e.g., atrazine, 2,4-D, acetochlor). If you know only the trade name (e.g., Roundup, Harness, Bladex**), please exit to the <u>National Pesticide</u> <u>Information Retrieval System</u> to find the chemical ingredient.
- **Use of trade names on this site is for example only and does not constitute an endorsement.
- To learn more about drinking water standards and regulations for these compounds, exit to the USEPA's <u>Drinking Water Health</u> <u>Advisories website.</u>

Select Analyte(s): Number of Analyses - 432 (Number) = number of analyses in database.

1,1-trichloroethane (34) 2,4-trichlorobenzene (35) 2-dibromo-3-chloropropane (236)

(Use CTRL or SHIFT and Left Mouse button to select multiple list

Additional pesticide data are available at Pesticide Data Using Enzyme-Linked Immunosorbent Assay ELISA for Nebraska

3. Clearinghouse Quality Flag: (To lead

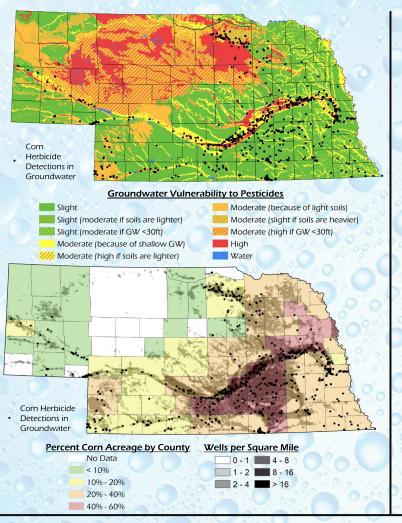
Quality Level based on documentation of:

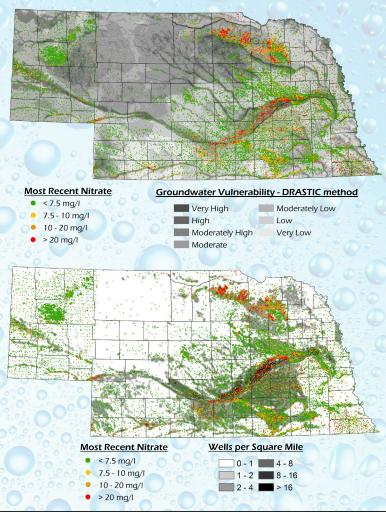
- Well Location and Sampling Date
- Well Characteristics (type of well, screen depth)
- Sampling/Field **Procedures Quality** Assurance (QA)
- Analytical Method and Lab QA

Level 1 < 2 < 3 < 4 < Level 5 (5 = best documentation and analytical method)

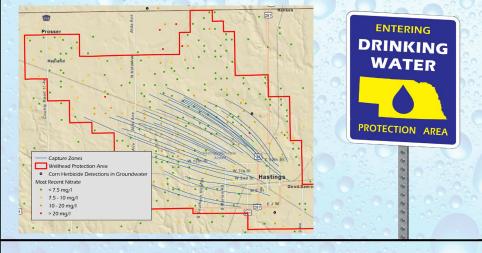
USING THE DATA

Assessing Groundwater Vulnerability for Potential Problem Areas



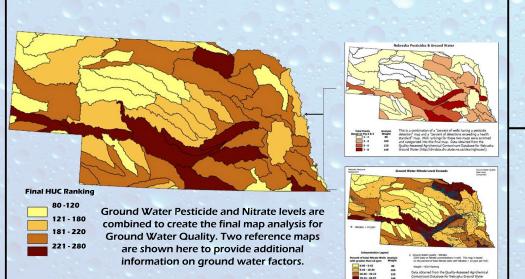


Community Water System Dealing with Agrichemical Contaminants

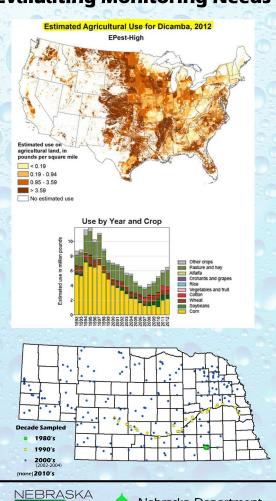


NRCS Resource Assessment

Cooperatively developed, science based assessment that will serve as a guide to federal, state and local units of government in focusing resources to hydrologic units with the greatest need.



Evaluating Monitoring Needs





For more information, see: bit.ly/3NEGWagchemDB

References

- Quality-Assessed Agrichemical Contaminant Database for Nebraska Ground Water bit.ly/3NEGWagchemDB
- NDEE Nebraska Groundwater Quality Monitoring Report bit.ly/NDEQh20prog
- Database Summary Report for Pesticides bit.ly/GWchreports2
- USDA NRCS NERA (Nebraska Resource Assessment) bit.ly/nrcsNERA
- USGS Circular 1405: Estimated use of water in the United States in 2010 dx.doi. org/10.3133/cir1405
- USGS; Annual Pesticide Use Estimates: 1992-2012. on.doi.gov/ZeWkuR