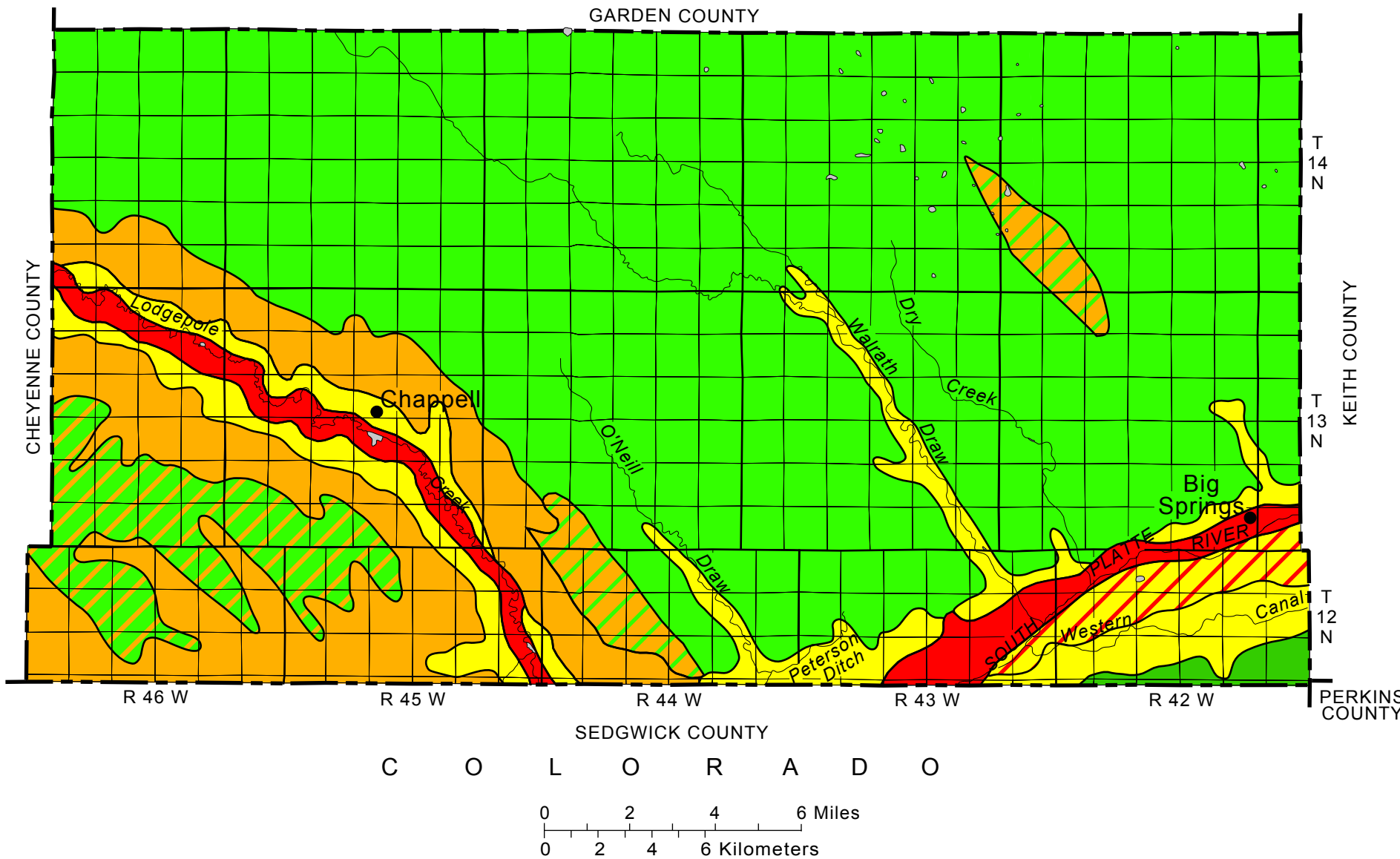









Pesticides and Groundwater

*An Applicator's Map and Guide
to Prevent Groundwater Contamination*

Deuel County



-  **Clayey, silty or loamy soils with a water table greater than 30 feet below the surface.**
These areas have a slight vulnerability for groundwater contamination.
-  **Generally clayey, silty or loamy soils with a water table greater than 30 feet below the surface.**
These areas generally have a slight vulnerability to groundwater contamination. Some areas have sand, loamy sand or sandy loam soils with little organic matter creating a moderate vulnerability for groundwater contamination. Caution should be used in sandy areas.
-  **Sand, loamy sand or sandy loam soils with little organic matter and a water table generally greater than 30 feet below the surface.**
These areas have a moderate vulnerability for groundwater contamination because of the porous soils. Caution should be used in sandy areas. Some parts with clayey, silty or loamy soils have a slight vulnerability for groundwater contamination.
-  **Sand, loamy sand or sandy loam soils with little organic matter and a water table greater than 30 feet below the surface.**
These areas have a moderate vulnerability for groundwater contamination. Even though the water table is greater than 30 feet below the surface, the soils are porous and caution should be used.
-  **Clayey, silty or loamy soils with a water table less than 30 feet below the surface.**
These areas have a moderate vulnerability for groundwater contamination. Even though the soils restrict the downward movement of pesticides, the water table is less than 30 feet below the surface and caution should be used.
-  **Generally clayey, silty or loamy soils with a water table less than 30 feet below the surface.**
These areas have a moderate vulnerability for groundwater contamination because the water table is less than 30 feet below the surface. Some parts with sand, loamy sand and sandy loam soils and little organic matter have a high vulnerability for groundwater contamination. Caution should be used throughout these areas and extreme caution should be used in sandy areas.
-  **Sand, loamy sand or sandy loam soils with little organic matter and a water table less than 30 feet below the surface.**
These areas have a high vulnerability for groundwater contamination. Extreme caution should be used in these areas.

Refer to the accompanying discussion and index of pesticides for guidance on pesticide use.

The vulnerability of groundwater contamination was determined using soil properties and depth to groundwater as indicated in general on pesticide labels. Areas on this map may have dissimilar soil and groundwater characteristics from those generally identified for that area. More detailed information can be obtained from:

Resources

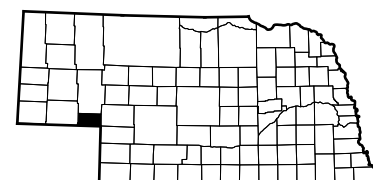
Soil Survey of Deuel County, Nebraska, 1965. USDA NRCS and Conservation and Survey Division, UNL.

Configuration of the water table, Fall 1971, Scottsbluff Quadrangle, Nebraska and eastern part of Cheyenne Quadrangle, Wyoming and Nebraska. Conservation and Survey Division, UNL. GM-54.

Geologic and groundwater resources of the Lower Lodgepole Creek Drainage Basin, Nebraska, 1957. USGS Geological Survey Water Supply Paper 1410.

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19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

Sectionalized Township



County Location Map

Conservation and Survey Division

113 Nebraska Hall
Lincoln, NE 68588-0517
(402) 472-7537
(soil and groundwater data)

Deuel County Extension Office

Box 648
Chappell, NE 69129-0648
(308) 874-2705
(proper pesticide use)

Nebraska Department of Agriculture Bureau of Plant Industry - Pesticide Program

Box 94756
Lincoln, NE 68509-4756
(402) 471-2394
(pesticide labels and regulations)