

Grant County, Indiana

Bn—Bono silty clay

Map Unit Setting

National map unit symbol: 5gd7

Elevation: 640 to 1,150 feet

Mean annual precipitation: 34 to 39 inches

Mean annual air temperature: 47 to 52 degrees F

Frost-free period: 165 to 175 days

Farmland classification: Prime farmland if drained

Map Unit Composition

Bono and similar soils: 100 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Bono

Setting

Landform: Depressions on lake plains

Landform position (two-dimensional): Footslope

Down-slope shape: Concave

Across-slope shape: Linear

Parent material: Clayey lacustrine deposits

Typical profile

Ap - 0 to 11 inches: silty clay

Bg1,Bg2,Bg3 - 11 to 37 inches: silty clay

Bg4,Bg5 - 37 to 55 inches: silty clay loam

Cg - 55 to 60 inches: silty clay loam

Properties and qualities

Slope: 0 to 2 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Very poorly drained

Runoff class: Negligible

Capacity of the most limiting layer to transmit water

(Ksat): Moderately low to moderately high (0.06 to 0.20 in/hr)

Depth to water table: About 0 to 6 inches

Frequency of flooding: None

Frequency of ponding: Frequent

Calcium carbonate, maximum content: 30 percent

Available water supply, 0 to 60 inches: High (about 9.3 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 3w

Hydrologic Soil Group: C/D

Ecological site: F111BY101IN - Lacustrine Flatwood

Other vegetative classification: Mixed/Transitional (Mixed Native Vegetation)

Hydric soil rating: Yes

Data Source Information

Soil Survey Area: Grant County, Indiana

Survey Area Data: Version 29, Sep 7, 2021