

# NATIONAL COMMODITY CROP PRODUCTIVITY INDEX (NCCPI)

## Republic County, Kansas

Map Symbol	Soil Name	Crop Index*
2111	Inavale loamy sand, 3 to 12 percent slopes	26
2113	Inavale loamy sand, occasionally flooded	25
2234	Roxbury silt loam, channeled	41
2236	Roxbury silt loam, occasionally flooded	60
2260	Saltine silty clay loam, frequently flooded	14
2266	Tobin silt loam, occasionally flooded	66
2347	McCook silt loam, rarely flooded	57
2366	New Cambria silty clay, rarely flooded	34
2519	Armo loam, 3 to 7 percent slopes	50
2522	Armo silt loam, 3 to 7 percent slopes	48
2540	Bogue-Armo complex, 5 to 25 percent slopes	35
2542	Bogue-Rock outcrop complex, 10 to 30 percent slopes	0
2584	Coly silt loam, 20 to 40 percent slopes	13
2613	Harney silt loam, 1 to 3 percent slopes	58
2614	Harney silt loam, 3 to 7 percent slopes	63
2617	Harney silty clay loam, 3 to 7 percent slopes, eroded	49
2664	Holdrege and Geary silty clay loams, 6 to 11 percent slopes, eroded	51
2720	Nibson silt loam, 5 to 25 percent slopes	24
2740	Nuckolls-Roxbury silt loams, 0 to 30 percent slopes	54
3030	Cozad-Cass soils, occasionally flooded	39
3391	Lancaster loam, 3 to 7 percent slopes	47
3396	Lancaster-Hedville complex, 3 to 20 percent slopes	40
3402	Longford silt loam, 3 to 7 percent slopes	63
3404	Longford silty clay loam, 3 to 7 percent slopes, eroded	52
3492	Wells loam, 3 to 7 percent slopes	57
3493	Wells loam, 3 to 7 percent slopes, eroded	42
3537	Gibbon silty clay loam, occasionally flooded	38
3553	Hobbs silt loam, frequently flooded	58
3561	Hobbs silt loam, occasionally flooded	57
3577	Humbarger clay loam, occasionally flooded	45
3593	Humbarger loam, occasionally flooded	48
3725	Detroit silty clay loam, rarely flooded	60
3755	Hord silt loam, rarely flooded	62
3770	Muir silt loam, 3 to 7 percent slopes, eroded	56
3775	Muir silt loam, rarely flooded	68
3820	Butler silt loam, 0 to 1 percent slopes	44
3824	Crete silt loam, 0 to 1 percent slopes	50

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Map Symbol	Soil Name	Crop Index*
3825	Crete silt loam, 1 to 3 percent slopes	51
3826	Crete silt loam, 3 to 7 percent slopes	34
3828	Crete silty clay loam, 1 to 3 percent slopes	63
3830	Crete silty clay loam, 3 to 7 percent slopes	57
3831	Crete silty clay loam, 3 to 7 percent slopes, eroded	37
3844	Geary silt loam, 3 to 7 percent slopes	73
3848	Geary silty clay loam, 3 to 7 percent slopes, severely eroded	46
3851	Geary-Hobbs silt loams, 0 to 30 percent slopes	63
3864	Hastings silt loam, 0 to 1 percent slopes	62
3866	Hastings silt loam, 1 to 3 percent slopes	61
3868	Hastings silt loam, 3 to 7 percent slopes	63
3870	Hastings silty clay loam, 3 to 7 percent slopes, eroded	47
3872	Hastings silty clay loam, 3 to 7 percent slopes, severely eroded	47
3874	Hastings-Hobbs complex, 0 to 25 percent slopes	58
3878	Hastings-Ortello fine sandy loams, 1 to 4 percent slopes, eroded	49
3879	Hastings-Ortello fine sandy loams, 4 to 8 percent slopes, eroded	47
3886	Kenesaw silt loam, 5 to 12 percent slopes	58
3888	Kenesaw silt loam, 5 to 12 percent slopes, eroded	46
4715	Kipson soils, 5 to 30 percent slopes	24
4783	Tully silty clay loam, 3 to 7 percent slopes	64
4784	Tully silty clay loam, 3 to 7 percent slopes, eroded	49
4785	Tully silty clay loam, 7 to 12 percent slopes	45
7122	Eudora loam, rarely flooded	57
7129	Eudora loam, 2 to 8 percent slopes	45

\*The Crop Index in this table was derived from the National Commodity Crop Productivity Index (NCCPI) model developed by the National Soil Survey Center. This model was developed for use with USDA programs, such as the Conservation Reserve Program. This model is not intended to replace other crop production models developed by individual states. The model arrays soils according to their inherent capacity to produce dryland (nonirrigated) commodity crops. The model criteria relate directly to the ability of soils, landscapes, and climates to foster crop productivity. All criteria used in the index affect crop culture and production and are referred to as factors affecting inherent productivity. The rating indices can be obtained through a computer program in the National Soil Information System (NASIS).