

NATIONAL COMMODITY CROP PRODUCTIVITY INDEX (NCCPI)

Atchison County, Kansas

Map Symbol	Soil Name	Crop Index*
4350	Chase silty clay loam, rarely flooded	62
4752	Sogn-Vinland complex, 3 to 25 percent slopes	34
4834	Wamego-Vinland silty clay loams, 3 to 15 percent slopes	57
7050	Kennebec silt loam, occasionally flooded	81
7051	Kennebec silt loam, frequently flooded	72
7052	Kennebec-Colo silt loams, occasionally flooded	83
7060	Muscotah silt loam, overwash, occasionally flooded	78
7061	Muscotah silty clay loam, occasionally flooded	57
7090	Wabash silty clay loam, occasionally flooded	54
7091	Wabash silty clay, occasionally flooded	53
7170	Reading silt loam, rarely flooded	86
7206	Aksarben silty clay loam, 2 to 6 percent slopes	75
7207	Aksarben silty clay loam, 6 to 11 percent slopes	74
7215	Bendena-Rock Outcrop complex, 20 to 40 percent slopes	0
7216	Bendena-Vinland complex, 8 to 30 percent slopes	30
7219	Basehor-Elmont complex, 5 to 30 percent slopes	46
7222	Burchard-Shelby clay loams, 7 to 12 percent slopes, eroded	60
7226	Burchard-Shelby clay loams, 12 to 18 percent slopes, eroded	56
7236	Elmont silt loam, 7 to 12 percent slopes, eroded	78
7252	Grundy silty clay loam, 1 to 3 percent slopes	67
7254	Grundy silty clay loam, 3 to 7 percent slopes, eroded	57
7255	Grundy silt loam, 0 to 1 percent slopes	66
7302	Martin silty clay loam, 3 to 7 percent slopes	57
7303	Martin silty clay loam, 3 to 7 percent slopes, eroded	54
7305	Martin silty clay loam, 7 to 12 percent slopes, eroded	52
7325	Martin-Oska silty clay loams, 3 to 6 percent slopes	56
7431	Morrill clay loam, 7 to 12 percent slopes, eroded	65
7450	Olmitz clay loam, 1 to 5 percent slopes	81
7461	Oska silty clay loam, 3 to 8 percent slopes, eroded	48
7470	Padonia-Martin silty clay loams, 5 to 9 percent slopes	54
7501	Pawnee clay loam, 4 to 8 percent slopes, eroded	44
7506	Pawnee clay loam, 1 to 4 percent slopes, eroded	49
7540	Sharpsburg silty clay loam, 1 to 4 percent slopes	72
7542	Sharpsburg silty clay loam, 4 to 8 percent slopes, eroded	62
7550	Rosendale-Bendena silty clay loams, 3 to 40 percent slopes	33
7555	Sarcoxis silty clay loam, 1 to 4 percent slopes	79
7575	Shelby clay loam, 4 to 8 percent slopes, eroded	71

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7576	Shelby clay loam, 8 to 12 percent slopes, eroded	69
7577	Shelby clay loam, 12 to 20 percent slopes, eroded	66
7585	Shelby clay loam, 7 to 12 percent slopes	82
7586	Shelby clay loam, 7 to 15 percent slopes, eroded	67
7587	Shelby clay loam, 12 to 18 percent slopes, moderately eroded	67
7594	Shelby-Steinauer loams, 12 to 25 percent slopes	64
7655	Vinland silty clay loam, 4 to 15 percent slopes	50
7658	Vinland-Rock outcrop complex, 15 to 45 percent slopes	7
7666	Vinland-Sibleyville complex, 7 to 15 percent slopes	53
7672	Wallula-Vinland complex, 5 to 40 percent slopes	40
7681	Wymore silty clay loam, 1 to 3 percent slopes	41
7683	Wymore silty clay loam, 3 to 6 percent slopes	60
7684	Wymore silty clay loam, 3 to 6 percent slopes, eroded	49
7710	Albaton silty clay, occasionally flooded	37
7741	Haynie silt loam, occasionally flooded	62
7743	Haynie-Onawa complex, occasionally flooded	63
7750	Nodaway silt loam, occasionally flooded	78
7760	Onawa and Waldron silty clay loams, occasionally flooded	55
7761	Onawa loam, overwash, occasionally flooded	59
7765	Onawet silty clay loam, depressional, frequently flooded	39
7790	Wathena-Haynie complex, occasionally flooded	49
7851	Judson silt loam, 1 to 5 percent slopes	90
7906	Armster clay loam, 3 to 8 percent slopes, eroded	57
7907	Armster clay loam, 8 to 12 percent slopes, eroded	56
7910	Armster clay loam, 6 to 12 percent slopes	45
7912	Armster clay loam, 12 to 20 percent slopes	39
7913	Armster clay loam, 12 to 20 percent slopes, eroded	52
7951	Gosport silty clay loam, 25 to 45 percent slopes	10
7953	Knox silt loam, 3 to 7 percent slopes	76
7954	Knox silt loam, 3 to 7 percent slopes, eroded	76
7959	Knox-Gosport complex, 10 to 30 percent slopes	60
7970	Palermo silty clay loam, 18 to 30 percent slopes	59
7971	Palermo-Knox complex, 10 to 18 percent slopes	79
9980	Fluvaquents, ponded	0

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*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).