

Table 2. Dominant soil types at each location included in the 2019 Corn Yield Forecasts †

Location	Soil 1 (top- & sub-soil texture) ‡	Soil 2 (top- & sub-soil texture)	Soil 3 (top- & sub-soil texture)	Water Table Coverage (%) *
North Platte, NE	silt loam - silt loam (100%)	—	—	0
McCook, NE	silt loam - silt loam (100%)	—	—	0
Holdrege, NE	silt loam - silt loam (100%)	—	—	0
Clay Center, NE	silt loam - silt clay loam (46%)	silt loam - silt loam (33%)	silt clay loam - silt clay loam (21%)	0
Beatrice, NE	silt clay loam - silt clay loam (65%)	silty clay - silt clay loam (19%)	silt loam - silt loam (17%)	8
Mead, NE	silt clay loam - silt clay loam (46%)	silt loam - silt loam (37%)	silt clay loam - silt loam (17%)	6
Concord, NE	silt loam - silt loam (61%)	silt clay loam - silt clay loam (39%)	—	2
Manhattan, KS	silt clay loam - silt clay loam (41%)	silt clay loam - silty clay (32%)	silt loam - silt loam (27%)	2
Scandia, KS	silt clay loam - silt clay loam (51%)	silt loam - silt clay loam (26%)	silt loam - silt loam (23%)	1
Silver Lake, KS	silt clay loam - silt clay loam (38%)	silt loam - silt loam (31%)	silt clay loam - silty clay (31%)	3
Hutchinson, KS	silt clay loam - silt clay loam (44%)	silt loam - silt loam (33%)	silt loam - silt clay loam (23%)	1
Lamberton, MN	clay loam - silt loam (36%)	silt loam - silt loam (36%)	—	61
Waseca, MN	silt loam - silt loam (41%)	clay loam - silt loam (26%)	—	56
Eldred, MN	silt clay loam - silt clay loam (39%)	silty clay - silty clay (36%)	silt loam - silt loam (26%)	5
Dazey, ND	silt loam - silt loam (100%)	—	—	0
St. Joseph, MO	silt clay loam - silt clay loam (56%)	silt loam - silt loam (30%)	silt loam - silt clay loam (15%)	15
Brunswick, MO	silt clay loam - silt clay loam (20%)	silt loam - silt clay loam (19%)	silt loam - silt loam (16%)	13
Monroe City, MO	silt loam - silty clay (24%)	silt loam - silt clay loam (20%)	silt clay loam - silt clay loam (14%)	9
Ames, IA	silt loam - silt loam (37%)	clay loam - silt loam (25%)	silt clay loam - silt clay loam (14%)	63
Crawfordsville, IA	silt loam - silt clay loam (37%)	silt clay loam - silt clay loam (31%)	silt loam - silt loam (12%)	49
Kanawha, IA	clay loam - silt loam (38%)	silt loam - silt loam (20%)	—	73
Lewis, IA	silt clay loam - silt clay loam (82%)	silt loam - silt loam (18%)	—	41
Nashua, IA	silt loam - silt loam (52%)	silt clay loam - silt loam (26%)	—	64
Sutherland, IA	silt clay loam - silt loam (40%)	silt clay loam - silt clay loam (34%)	silt loam - silt loam (26%)	46
Bondville, IL	silt clay loam - silt loam (18%)	silt loam - silt clay loam (17%)	silt clay loam - silt clay loam (16%)	61
Freeport, IL	silt loam - silt loam (52%)	silt loam - silt clay loam (48%)	—	27
Olney, IL	silt loam - silt clay loam (37%)	silt loam - silt loam (30%)	—	14
Peoria, IL	silt loam - silt clay loam (45%)	silt clay loam - silt clay loam (15%)	silt loam - silt loam (14%)	61
Springfield, IL	silt loam - silt clay loam (45%)	silt clay loam - silt clay loam (17%)	—	30
Columbia City, IN	silt clay loam - silty clay (14%)	silt clay loam - clay loam (12%)	silt loam - silt loam (12%)	65
Davis, IN	silt loam - silt loam (26%)	silt clay loam - silty clay (10%)	silt loam - silt clay loam (9%)	64
West Lafayette, IN	silt loam - silt loam (41%)	silt clay loam - silt loam (10%)	silt clay loam - silt clay loam (7%)	57
Custar, OH	clay loam - clay (15%)	clay loam - clay loam (11%)	silt loam - clay loam (10%)	79
South Charleston, OH	silt loam - silt loam (32%)	silt loam - clay loam (20%)	clay loam - clay loam (12%)	47
Wooster, OH	silt loam - silt clay loam (33%)	silt loam - silt loam (29%)	—	53
Ceresco, MI	sandy loam - sandy loam (39%)	silt loam - silt loam (36%)	silt loam - sandy loam (25%)	31

† Data were retrieved from GSSURGO soil database (NRCS, Soil Division). Only soils under dryland crop cultivation were considered. Soil data were used only for rainfed corn simulations. (Soil data were not needed for simulation of irrigated crops.)

‡ Soil texture in the topsoil (0-1 feet) and subsoil (2-4 feet) and associated prevalence of each soil type (in %) at each location. Only dominant soils accounting for more than 10% of total maize area within the buffer are shown. (Source: Global Yield Gap Atlas; [www.yieldgap.org](http://www.yieldgap.org)).

\* Water table coverage was inferred from the most recent data on subsurface tile drainage reported by US Census of Agriculture (USDA-NASS, 2012). See Nebraska Extension's [CropWatch.unl.edu/tags/corn-yield-forecasts](http://CropWatch.unl.edu/tags/corn-yield-forecasts) for related stories.