

LAND CAPABILITY CHART – NEBRASKA				South Central And Southwest Land Judging Areas		Area #1	1/2020
SOILS ON UPLANDS AND STREAM TERRACES							
Surface Texture	Permeability	Drainage	Slope	Erosion	Dryland Land Capability Class	General description	
DEEP AND VERY DEEP SOILS (40 inches or deeper)							
Fine, Mod. Fine, Medium	VS, S	SE, W, MW, SP	0-1	1	II	Deep and very deep soils with clayey or moderately fine textured surface layers and clayey, very slow or slowly permeable subsurface layers.	
			1-3	1,2	II		
			3-6	1,2	III		
			3-6	3	IV		
			6-11	ALL	IV		
Mod. Fine, Medium	MS, M MR, R	SE, SP, W, MW, EX	0-1	1	II*	Deep and very deep soils with moderately fine or medium textured surface layer and silty, loamy or clayey, moderately slow or moderately permeable subsurface layers.	
			1-3	1,2	II		
			3-6	1,2	III		
			3-6	3	IV		
			6-11	ALL	IV		
			11-30	ALL	VI		
Class I ONLY in the following counties: Polk, York, Fillmore, Thayer, Hamilton, Clay and Nuckolls							
Mod. coarse	R, MS, M, MR	SE, W, MW	0-3	1	II	Deep and very deep soils with moderately coarse textured surface layers and loamy or silty subsurface layers.	
			3-6	1,2	III		
			3-6	3	IV		
			6-11	ALL	IV		
			11-30	ALL	VI		
Mod. coarse	M, MR	SP	0-3	1,2	III	Deep and very deep somewhat poorly drained moderately coarse textured soils.	
Coarse	M, MR, R, VR	MW, W, SE, EX	0-3	1	IV	Deep and very deep moderately well drained to excessively drained sandy soils.	
			3-6	1,2	IV		
			6-17	ALL	VI		
			17+	ALL	VII		
Coarse	M	SP	0-3	1,2	III	Deep and very deep somewhat poorly drained soils with sandy surface layers.	
Coarse	MR, R, VR	SP	0-3	1,2	IV	Deep and very deep somewhat poorly drained loamy and sandy soils.	
Medium, Mod. Coarse, Coarse	MR, R	P, VP	0-3	1,2	V	Deep and very deep poorly and very poorly drained loamy and sandy soils.	
Very coarse	M, MR, R, VR	SP	0-3	ALL	VI	Deep and very deep somewhat poorly drained soils with moderately coarse textured subsurface layer.	
Very coarse	M, MR, R, VR	EX, SE, W, MW	0-17	ALL	VI	Deep and very deep moderately well to excessively drained soils with moderately coarse textured subsurface layer	
			17+	ALL	VII		
MODERATELY DEEP SOILS (20 to 40 inches to bedrock) [sand & gravel will not be used in the contest as depth limiting]							
Fine	S, MS, M, MR	SE, W, MW, SP	0-6	1,2	III	Moderately deep clayey soils.	
			0-6	3	IV		
			6-11	ALL	IV		
			11-30	ALL	VI		
Mod. Fine, Medium, Mod. coarse	ALL	EX, SE, W, MW	0-1	1,2	II	Moderately deep silty and loamy soils.	
			1-6	1,2	III		
			1-6	3	IV		
			6-11	ALL	IV		
			11-30+	ALL	VI		
SHALLOW SOILS (10 to 20 inches to bedrock) [sand & gravel will not be used in the contest as depth limiting]							
ALL	ALL	ALL	0-30	ALL	VI	Shallow soils	
			30+	ALL	VII		
VERY SHALLOW SOILS (0 to 10 inches to bedrock) [sand & gravel will not be used in the contest as depth limiting]							
ALL	ALL	ALL	0-30+	ALL	VII	Very shallow soils	
SOILS ON UPLAND AND TERRACE DEPRESSIONS							
Surface Texture	Permeability	Drainage, Ponding	Slope	Erosion	Dryland Land Capability Class	General description	
ALL	VS, S, MS	P, OP	0-1	ALL	III	Deep and very deep poorly drained or very poorly drained soils in ponded upland or terrace depressions with clayey or moderately fine textured subsurface layers.	
		P, VP, FP	0-1	ALL	IV		
		VP, VFP	0-1	ALL	VIII		

SOILS ON FLOODPLAINS AND SANDHILL MEADOWS
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DEEP AND VERY DEEP SOILS (40-60 inches + deep)							
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Surface Texture	Permeability	Drainage	Flooding	Slope	Erosion	Dryland Land Capability Class	General description
Fine, Mod, fine, Medium	VS, S, MS, M	SP	R, OCC	0-2	1	II	Deep and very deep somewhat poorly drained to very poorly drained soils with clayey, silty or loamy surface layers.
		SP	R, OCC	2-6	1	III	
		P	R, OCC	0-2	1	III	
		P	R, OCC	2-6	1	IV	
		VP	R, OCC	0-2	1	V	

Mod, fine, Medium	MS, M	MW, W, SE	R	0-2	1, 2	I	Deep and very deep moderately well drained or well drained soils with loamy or silty surface layers.
		MW, W, SE	R	2-6	1, 2	II	
		MW, W, SE	OCC	0-2	1, 2	II	
		MW, W, SE	OCC	2-6	1, 2	III	

Medium, Mod. coarse	R	SP	R, OCC	0-3	1, 2	III	Deep and very deep, somewhat poorly drained soils with loamy surface layers and rapid permeability.
		SP	R, OCC	3-6	1, 2	IV	

Mod. coarse	M, MR	MW, W	R, OCC	0-3	1, 2	II	Deep and very deep moderately well to very poorly drained soils with fine sandy loam surface layer.
		MW, W	R, OCC	3-6	1, 2	III	
		SP	R, OCC	0-3	1, 2	II	
		SP	R, OCC	3-6	1, 2	III	
		P, VP	R, OCC	0-3	1	V	

Coarse	MR, R, VR	W, SE, EX	R, OCC	0-3	1,2	IV	Deep and very deep well drained to excessively drained soils with fine sand surface layers.
				3-11	ALL	VI	

Very coarse	MR, R, VR	SE, EX	R, OCC	0-11	ALL	VI	Deep and very deep, somewhat excessively drained soils with sand surface layer
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ALL	ALL	ALL	FREQ	0-6	1	VI	Deep/very deep, frequently flooded soils
ALL	ALL	P, VP	R, OCC, FP	0-3	1	V	Deep/very deep, poorly/very poorly drained soils
ALL	ALL	P, VP	R, OCC, FP	3-6	1	VI	Deep/very deep, poorly/very poorly drained soils
ALL	ALL	VP	VFP	0-6	1	VIII	Soil very frequently ponded with water

MODERATELY DEEP (20 to 40 inch depth to underlying bedrock) [sand & gravel will not be used in the contest as depth limiting]							
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Fine, Mod. Fine, Medium, Mod. Coarse	ALL	MW, W	R, OCC	0-2	1, 2	II	Moderately deep, poorly drained to well drained soils
		MW, W	R, OCC	2-6	1, 2	III	
		SP	R, OCC	0-2	1, 2	III	
		SP	R, OCC	2-6	1, 2	IV	
		P	R, OCC	0-2	1, 2	IV	
		P	R, OCC	2-6	1, 2	VI	

SHALLOW (10 to 20 inches depth to underlying bedrock) [sand & gravel will not be used in the contest as depth limiting]							
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ALL	ALL	SP, P, VP	OCC, FREQ	0-3	1	VI	Shallow Soils
		SP, P, VP	OCC, FREQ	3-6	1	VII	

VERY SHALLOW (0 to 10 inches depth to underlying bedrock) [sand & gravel will not be used in the contest as depth limiting]							
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ALL	ALL	SP, P, VP	OCC, FREQ	0-3	1	VII	Very shallow soils
		SP, P, VP	OCC, FREQ	3-6	1	VIII	