

LAND CAPABILITY CHART – NEBRASKA			South Central And Southwest Land Judging Areas		Area #1	8/2017
SOILS ON UPLANDS AND STREAM TERRACES						
Surface Texture	Permeability	Drainage	Slope	Erosion	Dryland Land Capability Class	General description
<b>DEEP AND VERY DEEP SOILS (40 inches or deeper)</b>						
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	
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	
<b>MODERATELY DEEP SOILS (20 to 40 inches to bedrock) [sand &amp; gravel will not be used in the contest as depth limiting]</b>						
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	
<b>SHALLOW SOILS (10 to 20 inches to bedrock) [sand &amp; gravel will not be used in the contest as depth limiting]</b>						
ALL	ALL	ALL	0-30	ALL	VI	Shallow soils
			30+	ALL	VII	
<b>VERY SHALLOW SOILS (0 to 10 inches to bedrock) [sand &amp; gravel will not be used in the contest as depth limiting]</b>						
ALL	ALL	ALL	0-30+	ALL	VII	Very shallow soils

\*Class I only in the following counties: Polk, York, Fillmore, Thayer, Hamilton, Clay and Nuckolls.

LAND CAPABILITY CHART – NEBRASKA			South Central And Southwest Land Judging Areas			Area #1	8/2017
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							
DEEP AND VERY DEEP SOILS (40-60 inches + deep)							
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.
		P	R, OCC	0-2	1	III	
		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	OCC	0-2	1,2	II	
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.
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.
		SP	R, OCC	0-3	1,2	II	
		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
ALL	ALL	ALL	FREQ	0-3	1	VI	Deep and very deep, frequently flooded soils.
ALL	ALL	P, VP	R, OCC, FP	0-3	1	V	Deep and very deep poorly and very poorly drained soils
ALL	ALL	VP	VFP	0-2	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]							
Fine, Mod. Fine, Medium, Mod. coarse	ALL	MW, W	R, OCC	0-2	1,2	II	Moderately deep poorly drained to well drained soils
		SP	R, OCC	0-2	1,2	III	
		P	R, OCC	0-2	1,2	IV	
SHALLOW (10 to 20 inches depth to underlying bedrock) [sand & gravel will not be used in the contest as depth limiting]							
ALL	ALL	SP, P, VP	OCC, FREQ	0-3	1	VI	Shallow soils
VERY SHALLOW (0 to 10 inches depth to underlying bedrock) [sand & gravel will not be used in the contest as depth limiting]							
ALL	ALL	SP, P, VP	OCC, FREQ	0-3	1	VII	Very shallow soils.