

LAND CAPABILITY CHART – NEBRASKA			West Land Judging Area			Area #3	12/2022
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	VS	W, MW, SP	0-6	1,2	IV	Deep and very deep clayey soils with very slowly permeable subsurface layers.	
			6-30	ALL	VI		
			30+	ALL	VII		
Fine	S, MS	W, MW, SP	0-3	1,2	III	Deep and very deep clayey soils with slowly or moderately slowly permeable subsurface layers.	
			3-6	1,2	IV		
			6-30	ALL	VI		
			30+	ALL	VII		
Mod. fine	S, MS, M, MR	W, MW	0-3	1,2	III	Deep and very deep well drained and moderately well drained soils with moderately fine textured surface layers and slow to moderately rapidly permeable subsurface layer	
			3-6	ALL	IV		
			6-30	ALL	VI		
			30+	ALL	VII		
Medium	S, MS, M, MR	W, MW	0-3	1,2	II*	Deep and very deep well drained and moderately well drained soils with medium textured surface layers and slow to moderately rapidly permeable subsoils. *Use Class III in the following counties: Sioux, Scotts Bluff, Banner and Kimball	
			3-6	ALL	III		
			6-9	ALL	IV		
			9-30	ALL	VI		
			30+	ALL	VII		
Mod. coarse	S, MS, M, MR R	SE, W, MW, SP	0-3	1,2	III	Deep and very deep soils with fine sandy loam or sandy loam surface layers and loamy or silty subsoils	
			3-6	1,2	IV		
			6-9	ALL	VI		
			9-30	ALL	VII		
Coarse	M,	EX, SE, W, MW	0-6	1,2	III	Deep moderately permeable sandy soils	
			6-9	1,2	IV		
			9-30	ALL	VI		
Coarse	MR, R, VR	EX< SE, W, MW	0-3	1,2	IV	Deep and very deep moderately rapid to very rapidly permeable sandy soils.	
			3-9	1,2	VI		
			9-17	ALL	VI		
			17+	ALL	VII		
Coarse	M, MR, R, VR	SP	0-3	1,2	IV	Deep and very deep somewhat poorly drained sandy soils.	
Coarse	ALL	P, VP	0-3	ALL	V	Deep and very deep poorly drained loamy fine sand and loamy sand soils.	
Very coarse	M, MR, R, VR	EX, SE, W, MW	0-17	ALL	VI	Deep and very deep moderately well drained to excessively drained sandy soils.	
			17-60	ALL	VII		
Very coarse	M, MR, R, VR	SP	0-3	1,2	VI	Deep and very deep somewhat poorly drained sandy soils.	
Very coarse	M, MR, R, VR	P, VP	0-3	1,2	V	Deep and very deep poorly and very poorly drained sandy soils.	
MODERATELY DEEP SOILS (20 to 40 inches to bedrock) [sand & gravel will not be used in the contest as depth limiting]							
Fine	VS, S, MS	SE, W, MW, SP	0-6	1,2	IV	Moderately deep clayey soils.	
			6-30	ALL	VI		
			30+	ALL	VII		
Mod. fine, Medium, Mod. coarse	ALL	EX, SE, W, MW	0-3	1,2	II*	Moderately deep silty and loamy soils. * Use Class III in the following counties: Sioux, Scotts Bluff, Banner and Kimball.	
			3-6	1,2	III		
			6-9	ALL	IV		
			9-30	ALL	VI		
			30+	ALL	VII		
SHALLOW SOILS (10 to 20 inches to bedrock) [sand & gravel will not be used in the contest as depth limiting]							
ALL	ALL	ALL, except P & VP	0-30	ALL	VI	Shallow soils.	
			30+	ALL	VII		
ALL	ALL	P, VP	0-30	ALL	V		
VERY SHALLOW SOILS (0 to 10 inches to bedrock) [sand & gravel will not be used in the contest as depth limiting]							
ALL	ALL	ALL, except P, VP	0-30	ALL	VII	Very shallow soils	
ALL	ALL	P, VP	0-3	ALL	V		

LAND CAPABILITY CHART – NEBRASKA			West Land Judging Area				Area #3	1/2/2022
SOILS ON UPLAND AND TERRACE DEPRESSIONS								
Mod. Fine, Medium, Mod. coarse	VS, S, MS	MW, SP, 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.		
		SP, P, VP FP	0-1	ALL	IV			
		P, VP VFP	0-1	ALL	V			
SOILS ON FLOODPLAINS AND SANDHILL MEADOWS								
DEEP AND VERY DEEP SOILS (40-60 inches + deep)								
Surface Texture	Permeability	Drainage	Flooding, Ponding	Slope	Erosion	Dryland Land Capability Class	General Description	
Fine, Mod. fine, Medium	VS, S	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.	
Mod. fine, Medium	M, MR	MW, W	R, OCC	0-2	1	II*	Deep and very deep moderately well drained or well drained soils with loamy or silty surface layers.	
		SP	R, OCC	0-2	1	II*		
*Use Class III in the following counties: Sioux, Scotts Bluff, Banner and Kimball								
Mod. coarse	M, MR, R, VR	SE, W, MW, SP	R, OCC	0-2	1	III	Deep and very deep, somewhat excessively to somewhat poorly drained soils with fine sandy loam or sandy loam surface layer.	
Coarse	MR, R, VR	W, SE, EX	R, OCC	0-2	1,2	IV	Deep and very deep well drained to excessively drained soils with loamy fine sand surface layers.	
				2-9	1,2	VI		
		SP	R, OCC	02-	1	IV	Deep and very deep somewhat poorly drained sandy soils	
Very coarse	MR, R, VR	EX, SE, W, MW, SP	R, OCC	0-2	1,2	VI	Deep and very deep, excessively to somewhat poorly drained soils with fine sand surface layer	
ALL	ALL	ALL, except P & VP	FREQ	0-3	1	VI	Deep and very deep, frequently flooded soils.	
ALL	ALL	P, VP	R, OCC, FREQ, FP	0-2	1	V	Deep and very deep poorly and very poorly drained soils	
ALL	ALL	VP	VFP	0-2	1	VIII	Soils 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	IV	Moderately deep poorly drained to well drained soils	
	ALL	SP	R, OCC	0-2	1,2	II		
	ALL	SP	R, OCC	0-2	1,2	III		
ALL	ALL	P, VP	R, OCC	0-2	1,2	V	Moderately deep poorly and very poorly drained soils	
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.	