

TABLE 10.--PHYSICAL AND CHEMICAL PROPERTIES OF SOILS

[The symbol < means less than; > means greater than. The erosion tolerance factor (T) is for the entire profile. Absence of an entry means data were not available or were not estimated]

Soil name and map symbol	Depth	Permeability	Available water capacity	Soil reaction	Salinity	Shrink-swell potential	Risk of corrosion		Erosion tolerance	
							Uncoated steel	Concrete	T	C
	In	In/hr	In/in	pH	Mmhos/cm					
Ahtanum:										
1-----	0-30	0.6-2.0	0.10-0.21	7.9-9.0	>8	Low-----	High-----	Low-----		
	30-32	---	---	---	---	---	---	---		
Baldock:										
2-----	0-60	0.6-2.0	0.13-0.21	7.9-9.0	<8	Low-----	High-----	Low-----		
Bully:										
3-----	0-60	0.6-2.0	0.19-0.21	7.4-8.4	<2	Low-----	High-----	Low-----		
Cencove:										
4A, 4B, 4C, 4D----	0-24	2.0-6.0	0.13-0.15	7.4-8.4	<2	Low-----	Low-----	Low-----	0.20	2
	24-60	>20	0.04-0.05	7.9-8.4	<2	Low-----	Low-----	Low-----	0.15	
Chilcott:										
5B, 5C-----	0-13	0.6-2.0	0.19-0.21	7.9-8.4	<2	Low-----	Moderate	Low-----	0.40	2
	13-37	0.06-0.2	0.15-0.21	7.9-9.0	<2	High-----	High-----	Low-----	0.32	
	37-40	---	---	---	---	---	---	---		
Duneland:										
6-----	0-60	>6.0	0.04-0.08	6.1-7.3	<2	Low-----	Low-----	Low-----		
Falk Variant:										
7-----	0-36	2.0-6.0	0.13-0.15	7.9-8.4	<2	Low-----	High-----	Low-----		
	36-62	>20	0.03-0.05	7.9-8.4	<2	Low-----	High-----	Low-----		
Feltham:										
8A, 8C-----	0-28	6.0-20	0.05-0.09	7.8-8.4	<2	Low-----	Moderate	Low-----	0.20	5
	28-60	2.0-6.0	0.05-0.09	7.9-8.4	<2	Low-----	High-----	Low-----	0.24	
9B, 9C, 9D----	0-10	2.0-6.0	0.09-0.11	7.9-8.4	<2	Low-----	Moderate	Low-----	0.20	5
	10-60	2.0-6.0	0.05-0.09	7.9-8.4	<2	Low-----	High-----	Low-----	0.24	
Feltham Variant:										
10-----	0-31	2.0-6.0	0.06-0.10	7.4-8.4	<2	Low-----	Low-----	Low-----	0.20	3
	31-60	>20	0.03-0.05	7.4-8.4	<2	Low-----	Low-----	Low-----	0.15	
Frohman:										
11A, 11B, 11C, 11D, 11E-----	0-12	0.6-2.0	0.17-0.19	7.4-8.4	<2	Low-----	High-----	Low-----	0.40	1
	12-18	---	---	---	---	---	---	---		
	18-36	0.6-2.0	0.18-0.21	7.9-8.4	<2	Low-----	High-----	Low-----	0.40	
	36-42	---	---	---	---	---	---	---		
Garbutt:										
12A, 12B-----	0-38	0.6-2.0	0.18-0.20	7.9-8.4	<2	Low-----	High-----	Low-----	0.40	5
	38-62	0.6-2.0	0.11-0.13	7.9-8.4	2-8	Low-----	High-----	Low-----	0.32	
Greenleaf:										
13A, 13B-----	0-8	0.6-2.0	0.17-0.20	6.6-7.8	<2	Low-----	High-----	Low-----	0.40	5
	8-31	0.2-0.6	0.17-0.20	7.4-8.4	<2	Moderate	High-----	Low-----	0.40	
	31-60	0.2-0.6	0.18-0.21	7.4-8.4	<2	Low-----	High-----	Low-----	0.32	
Harana:										
14, 15-----	0-24	0.2-2.0	0.19-0.21	7.4-8.4	<2	Moderate	High-----	Low-----		
	24-43	0.6-2.0	0.19-0.21	7.9-8.4	<2	Moderate	High-----	Low-----		
	43-60	0.06-0.2	0.13-0.16	7.9-8.4	<2	High-----	High-----	Low-----		
16-----	0-21	0.2-0.6	0.17-0.19	8.5-9.0	<4	Moderate	High-----	Low-----		
	21-64	0.2-0.6	0.18-0.20	7.9-8.4	<4	Moderate	High-----	Low-----		
Kiesel:										
17-----	0-4	0.2-0.6	0.15-0.17	8.5-9.0	<2	Low-----	High-----	Low-----		
	4-22	0.06-0.2	0.12-0.15	>9.0	2-8	High-----	High-----	Low-----		
	22-40	0.2-0.6	0.15-0.17	>9.0	8-16	Moderate	High-----	Low-----		
	40-60	0.2-0.6	0.13-0.15	>9.0	8-16	Low-----	High-----	Low-----		

See footnote at end of table.