UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

SOIL INTERPRETATIONS FOR IRRIGATION IN THE Artesia FO and Carlsbad FO

Date: Feb. 1977

Map Symbol 1	Soil Name 2	Available Moisture-holding Capacity per foot of soil Depth (in.) 3	Shallow Rooted Crops: Moisture Replacement Depth (ft.) 4	Shallow Rooted Crops: Net Moisture to be Replaced (in.) 5	Medium Rooted Crops: Moisture Replacement Depth (ft.) 6	Medium Rooted Crops: Net Moisture to be Replaced (in.) 7	Deep Rooted Crops: Moisture Replacement Depth (ft.) 8	Deep Rooted Crops: Net Moisture to be Replaced (in.) 9	Family Intake Curve Designation Curve No. 10	Recommended Maximum Irrigation Grade Feet per 100 feet 11	Adapted Conservation Irrigation Systems: Level 12	Graded 13	1/ Sprinkler 14	2/ Drip 15	16	17
An	Arno Silty Clay Loam	1.6	2.0	1.5	3.0	2.0	4.0	3.0	.3	B-.7 F-.5	X	3/ X	X	X		
100-133S	Pecos Silty Clay Loam	1.6														
160	Balmorhea Loam	1.6														
		1.6														
PV	Pima Clay Loam	2.1	2.0	2.0	3.0	3.0	4.0	4.0	.3	B-.7 F-.5	X	3/ X	X	X		
133	Pecos Silty Clay Loam (Non-Saline)	2.1														
		2.1														
		2.1														

B - Borders F - Furrows

1/ Puddling may occur when using pivotal sprinklers on .3-.5 intake family soils. Sprinklers not recommended when conductivity of irrigation water exceeds 2500.
2/ Drip irrigation recommended on orchards or high value row crops only.
3/ Tailwater recovery systems may be used to increase irrigation uniformity.

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Pn	Pima Silt Loam (Saline)	1.6 1.6 1.6 1.6	2.0	1.5	3.0	2.0	4.0	3.0	.5	B-.7 F-.5	X	3/ X	X	X		
134S	Bigetty Loam (Saline)															
Pe	Pima Silt Loam	2.1 2.1 2.1 2.1	2.0	2.0	3.0	3.0	4.0	4.0	.5	B-.7 F-.5	X	3/ X	X	X		
134	Bigetty Loam															
Rv	Russler Loam	1.8 1.8 1.8	2.0	1.5	2.5	2.0	2.5	2.0	.5	B-.5 F-.3	X	X	X	X		
Ao,At 250,251	Atoka Loam															
Rc,Rn 200,201	Reeves Loam															

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Rr	Reeves Loam (Saline)	1.5 1.5 1.5	2.0	1.5	2.5	1.5	2.5	1.5	.5	B-.5 F-.3	X	X	X	X		
Rt 204-205	Reeves Loam (Shallow) Holloman Loam (Thick Solum)	1.8 1.8	2.0	1.5	2.0	1.5	2.0	1.5	.5	B-.5 F-.3		X	X	X		
Rc,Rd 190,191 140 Kr,Ku	Reakor (Reagan) Loam Glendale Loam Reakor (Light Colored) (Karro) Loam	2.0 2.0 2.0 2.0	2.0	2.0	3.0	3.0	4.0	4.0	.5	B-.5 F-.3	X	3/ X	X	X		

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Rf	Reakor (Reagan) Loam (Saline)	1.5 1.5 1.5 1.5	2.0	1.5	3.0	2.0	4.0	3.0	.5	B-.5 F-.3	X	3/ X	X	X		
Kv	Reakor (Light Colored-Karro-Saline)															
Up Ut	Upton Soils	1.6	1.0	.5	1.0	.5	1.0	.5	.5	B-.5 F-.3		X	X	X		
Hk	Harkey Very Fine Sandy Loam	1.8 1.8 1.8 1.8	2.0	1.5	3.0	2.5	4.0	3.5	.75	B-.5 F-.3	X	3/ X	X	X		
142	Glendale Fine Sandy Loam															

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Ha	Harkey Sandy Loam	1.5 1.8 1.8 2.0	2.0	1.5	3.0	2.5	4.0	3.0	1.0	B-.5 F-.3	X	3/ X	X	X		
Aa Ah	Anthony Sandy Loam	1.2 1.2 1.5 1.5	2.0	1.0	3.0	1.5	4.0	2.5	1.0	B-.5 F-.3	X	3/ X	X	X		

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