Albuquerque, New Mexico

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

SOIL INTERPRETATIONS FOR IRRIGATION IN THE Roswell 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
100 133S 160 161	Pecos Silty Clay Loam Balmorhea Loam	1.6 1.6 1.6 1.6	2.0	1.5	3.0	2.0	4.0	3.0	.3	B-.7 F-.5	X	3/ X	X	X		
133	Pecos Silty Clay Loam (Non-Saline)	2.1 2.1 2.1 2.1	2.0	2.0	3.0	3.0	4.0	4.0	.3	B-.7 F-.5	X	3/ X	X	X		
134S	Bigetty 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		
134	Bigetty 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		

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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250	Atoka Loam	1.8	2.0	1.5	2.5	2.0	2.5	2.0	.5	B-.5 F-.3	X	X	X	X		
		1.8														
200	Reeves Loam	1.8														
204 205 (Thick Solum)	Holloman Loam	1.8	2.0	1.5	2.0	1.5	2.0	1.5	.5	B-.5 F-.3		X	X	X		
		1.8														
190 191	Reakor (Reagan) Loam	2.0	2.0	2.0	3.0	3.0	4.0	4.0	.5	B-.5 F-.3	X	3/ X	X	X		
		2.0														
140	Glendale Loam	2.0														
142	Glendale Fine Sandy Loam	1.8	2.0	1.5	3.0	2.5	4.0	3.5	.75	B-.5 F-.3	X	3/ X	X	X		
		1.8														
		1.8														
		1.8														
230	Reakor Sandy Loam	1.5	2.0	1.5	3.0	2.5	4.0	3.5	.75	B-.5 F-.3	X	3/ X	X	X		
		2.0														
		2.0														
		2.0														

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