UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

SOIL INTERPRETATIONS FOR IRRIGATION IN THE Canadian River Area of Tucumcari 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
Mr Ms Tm To La Ld Km Kn	Montoya Clay Loam Tucumcari Clay Loam Lacita Silt Loam Kinkead Clay Loam	2.1 2.1 2.1 2.1	2.0	2.0	3.0	3.0	4.0	4.0	.1	B-1.0 F- .5	X	3/ X	X	X		
Lo Lp Ls Th	La Lande Loam Toyah Loam	1.8 2.0 2.0 1.5	2.0	1.5	3.0	2.5	4.0	3.5	.3	B-1.0 F- .5	X	3/ X	X	X		
Qn Ql Qm	Quay Loam Shale Substratum Quay Loam Sandstone Substratum	2.0 2.0	2.0	2.0	2.0	2.0	2.0	2.0	.5	B-1.0 F- .5		X	X	X		

B - Borders F - Furrows

1/ Puddling may occur when using pivotal sprinklers on .3-.5 intake family soils.
2/ Drip irrigation recommended on orchards or high value row crops only.
3/ Tailwater recovery system may be used to increase irrigation uniformity when soils allow for construction of pit.

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Qf Qg Qk	Quay Loam	2.1 2.1 2.1	2.0	2.0	3.0	3.0	3.0	3.0	.5	B-1.0 F- .5		X	X	X		
Rk Rn Qd Qe Ch Cn	Redona Fine Sandy Loam Quay Fine Sandy Loam Canez Fine Sandy Loam-Calcareous Variant	1.5 2.1 2.1	2.0	1.5	3.0	2.5	3.0	2.5	.75	B- .7 F- .5		X	X	X		
Lm Ll	La Lande Fine Sandy Loam	1.7 2.1 2.1 2.1	2.0	1.5	3.0	3.0	4.0	4.0	.75	B- .7 F- .5		3/ X	X	X		
Sc	San Jose Loam	1.6 1.6 1.6	2.0	1.5	3.0	2.0	3.0	2.0	.75	B- .5 F- .3		X	X	X		

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Lx	Los Tanos Sandy Loam	1.6 1.6	2.0	1.5	2.0	1.5	2.0	1.5	.75	B-.5 F-.3		X	X	X		
AR	Amarillo Fine Sandy Loam	1.5 2.0 2.0 2.0	2.0	1.5	3.0	2.5	4.0	3.5	.75	B-.7 F-.4		3/ X	X	X		
AL	Amarillo Loamy Fine Sand	1.0 1.8 1.8 1.8	2.0	1.0	3.0	2.0	4.0	3.0	1.0	B-.5		3/ X	X	X		
Ce	Canez Fine Sandy Loam	1.5 1.5 1.8	2.0	1.5	3.0	2.0	4.0	3.0	1.0	B-.5 F-.3		3/ X	X	X		
Im Is	Ima Sandy Loam	1.8														

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Rd Rg Rh Ca Cc	Redona Loamy Fine Sand Canez Loamy Fine Sand	1.0 1.8 1.8 1.8	2.0	1.0	3.0	2.0	4.0	3.0	1.5	B-.5 F-.3		3/ X	X	X		
Gm	Gomez Loamy Fine Sand	1.0 1.2 1.8	2.0	1.0	3.0	2.0	3.0	2.0	1.5				X	X		
BB BI	Bascom Fine Sandy Loam	1.5 1.2 1.2	2.0	1.0	3.0	1.5	3.0	1.5	1.5				X	X		
SG	Springer Loamy Fine Sand	1.0 1.5 1.5 1.0	2.0	1.0	3.0	2.0	4.0	2.5	2.0				X	X		

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