UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

SOIL INTERPRETATIONS FOR IRRIGATION IN THE Southwest Quay 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
Pe Pf Pg Ph	Pullman Loam Pullman-Mansker Loams	2.1 2.1 2.1	2.0	2.0	3.0	3.0	3.0	3.0	.3	B-1.0 F- .5		3/ X	X	X		
Ag Ah Ak Am	Amarillo Loam	2.0 2.1 2.1 2.1	2.0	2.0	3.0	3.0	4.0	4.0	.5	B-1.0 F- .5		3/ X	X	X		
Cc Cd Ce Cf Pb	Clovis-Amarillo Loams Portales Loam	2.0 2.0 2.0	2.0	2.0	2.5	2.5	2.5	2.5	.5	B-.7 F-.4		3/ X	X	X		
Ar As At Au Pc Pd	Arvana Soils Potter Soils	2.0	1.0	1.0	1.0	1.0	1.0	1.0	.75	B-.7 F-.4		X	X	X		

1/ Puddling may occur when using pivotal sprinklers on .3-.5 intake family soils. B - Borders F - Furrows
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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Ao Md Me Mf	Arch Loam Mansker Loam	1.8 2.0 2.0	2.0	1.5	2.5	2.0	2.5	2.0	.75	B-.7 F-.4		3/ X	X	X		
Ae Af	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		
Cb Pa	Clovis-Amarillo Fine Sandy Loam Portales Fine Sandy Loam	1.5 2.0 2.0	2.0	1.5	3.0	2.5	3.0	2.5	.75	B-.7 F-.4		3/ X	X	X		
An Ma Mb Mc	Arch Fine Sandy Loam Mansker Fine Sandy Loam	1.5 2.0	1.5	1.0	1.5	1.0	1.5	1.0	1.0	B-.7 F-.4		X	X	X		

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Albuquerque, New Mexico

Sheet 3 of 3

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Sc	Springer Fine	1.5														
Sd	Sandy Loam	1.5	2.0	1.5	3.0	2.0	4.0	2.5	1.0	B-.5 F-.3		X	X	X		
Se	Drake Fine Sandy Loam	1.5														
Da		1.0														
Ap	Arch Loamy Fine Sand	1.0 1.8	1.5	1.0	1.5	1.0	1.5	1.0	1.5	B-.5 F-.3		X	X	X		
Sf	Springer Loamy Fine Sand	1.0 1.5	2.0	1.0	3.0	2.0	4.0	2.5	2.0				X	X		
Db	Drake Loamy Fine Sand	1.5 1.0														

B - Borders F - Furrows

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