

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Albuquerque, New Mexico

Sheet 1 of 4

Date: December 3, 1981

SOIL INTERPRETATIONS FOR IRRIGATION IN THE Socorro FO

Map Symbol 1	Soil Name 2	Available Moisture- holding Capacity per foot of soil Depth (in.) 3	Shallow Rooted Crops		Medium Rooted Crops		Deep Rooted Crops		Family Intake Curve Designa- tion Curve No. 10	Recom- mended Maximum Irriga- tion Grade Feet per 100 feet 11	Adapted Conservation Irrigation Systems					
			Mois- ture Re- place- ment Depth (ft.) 4	Net Moisture to be Replaced (in.) 5	Moisture Replace- ment Depth (ft.) 6	Net Moisture to be Replaced (in.) 7	Moisture Replace- ment Depth (ft.) 8	Net Moisture to be Replaced (in.) 9			5/ Level 12	3/ Graded 13	1/ Sprink- ler 14	2/ Drip 15	16	17
11 4/	Armijo Clay	1.8 1.8 1.8 1.8	2.0	1.5	3.0	2.5	4.0	3.5	.1	B-1.0 F-.5	x	x	x	x		
14	Sanelli Clay	1.8 1.8 1.0 .5	2.0	1.5	3.0	2.0	4.0	2.5	.1	B-1.0 F-.5	x	x	x	x		
52	Sanelli Variant Clay	1.8 1.0 .8 .8	2.0	1.0	3.0	1.5	4.0	2.0	.1	B-1.0 F-.5	x	x	x	x		
37	Agua Silt Loam	2.2 2.2 .5 .5	2.0	2.0	3.0	2.5	4.0	2.5	.3	B-1.0 F-.5	x	x	x	x		
B = Borders		F = Furrows														

1/ Puddling may occur when using sprinklers on .1-.5 intake family soils.

2/ Drip irrigation recommended on orchards or high value row crops only.

3/ Tailwater recovery systems may be used to increase irrigation uniformity if soils permit building of pit.

4/ Variable high water tables and textures may affect irrigation recommendations.

5/ Before any level systems are installed, depth of cuts and fills, system efficiencies, and necessary water delivery rates should be examined.

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26	Anapra Clay Loam	2.2 2.0 .5 .5	2.0	2.0	3.0	2.0	4.0	2.5	.3	B-1.0 F-.5	x	x	x	x		
26X	Anapra Sandy Loam	1.5 2.2 1.5 1.0	2.0	1.5	3.0	2.5	4.0	3.0	.3	B-1.0 F-.5	x	x	x	x		
32	Gila Clay Loam	2.2 1.5 2.2 1.8	2.0	1.5	3.0	3.0	4.0	3.5	.3	B-1.0 F-.5	x	x	x	x		
22	Glendale Clay Loam	2.2 2.2 2.2 2.2	2.0	2.0	3.0	3.0	4.0	4.0	.3	B-1.0 F-.5	x	x	x	x		
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22X	Glendale Sandy Loam	1.5 2.2 2.2	2.0	1.5	3.0	3.0	4.0	4.0	.3	B-1.0 F-.5	x	x	x	x		
48	Anthony Variant Sandy Clay Loam	1.8 .8 1.8 .5	2.0	1.0	3.0	2.0	4.0	2.5	.5	B-.7 B-.4		x	x	x		
32X	Gila Fine Sandy Loam	1.8 1.8 1.8 1.8	2.0	1.5	3.0	2.5	4.0	3.5	.5	B-.7 F-.4	x	x	x	x		
44	Anthony Sandy Loam	1.5 1.0 1.8 1.8	2.0	1.0	3.0	2.0	4.0	3.0	1.0	B-.5 F-.3		x	x	x		

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50	Brazito Sandy Loam	1.5 1.0 .5 .5	2.0	1.0	3.0	1.5	4.0	1.5	1.0	B-.5 F-.3		X	X	X		

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