UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Albuquerque, New Mexico

SOIL INTERPRETATIONS FOR IRRIGATION IN THE VALLECITOS AREA
Espanola FO

Date: September 1981

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	Sprinkler 14	Drip 15	16	17
1 4/	Esro Silty clay loam varient 0 to 1% slopes	2.0 2.2 2.2 .7	2.0	2.0	3.0	3.0	3.0	3.0	.3	1.0		X	X	X	X	
4	Elbeth clay loam varient, 5 to 8% slopes	2.2 2.2 2.2 2.2	2.0	2.0	3.0	3.0	3.0	3.0	.1	1.0		X	X	X	X	
5	Elbeth clay loam, varient, 2 to 5% slopes	2.2 2.2 2.2 2.2	2.0	2.0	3.0	3.0	3.0	3.0	.1	1.0		X	X	X	X	
6	Elbeth clay loam, varient 8+% slopes	2.2 2.2 2.2 2.2	2.0	2.0	3.0	3.0	3.0	3.0	.1				X	X		

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.

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2 4/	Garber loam, varient 1 to 2% slopes	2.0 .3 .3 .3	2.0	1.0	3.0	1.0	4.0	1.5	.5				X	X		
3 4/	Shawa loam, wet; 1 to 3% slopes	1.0 1.0 1.0 1.0	2.0	1.0	3.0	1.5	4.0	2.0	.3	1.0		X	X	X	X	
7	Shawa loam, 2 to 5% slopes	2.0 2.0 2.0 2.0	2.0	2.0	3.0	3.0	4.0	4.0	.5	1.0	X	X	X	X	X	
8	Shawa loam, 5 to 8% slopes	2.0 2.0 2.0 2.0	2.0	2.0	3.0	3.0	4.0	4.0	.5	1.0			X	X	X	

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9	Shawa loam, 8+ % slopes	2.0 2.0 2.0 2.0	2.0	2.0	3.0	3.0	4.0	4	.5	1.0			X	X		
10	Quamon sandy loam, varient, 2 to 5% slopes	1.5 1.5 .8 .8	2.0	1.5	3.0	1.5	4.0	2.0	.75	2.0	X	X	X	X	X	
11	Quamon sandy loam, varient, 5 to 8% slopes	1.5 1.5 .8 .8	2.0	1.5	3.0	1.5	4.0	2.0	.75				X	X	X	

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