UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Albuquerque, New Mexico

Date: March 1977

SOIL INTERPRETATIONS FOR IRRIGATION IN THE Magdalena FO

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 3/ 13	Sprinkler 1/ 14	Drip 2/ 15	16	17
1111f2		2.2 2.2 2.2 2.2	2.0	2.0	3.0	3.0	4.0	4.0	.1	B-1.0 F- .5	X	X	X	X		
2111 2111A		2.0 2.2 2.2 2.2	2.0	2.0	3.0	3.0	4.0	4.0	.1	B-1.0 F- .5	X	X	X	X		
2221 2221/AB		2.0 2.0 2.0 2.0	2.0	2.0	3.0	3.0	4.0	4.0	.3	B-1.0 F- .5		X	X	X		
2231/AB		2.0 2.0 1.8 1.8	2.0	2.0	3.0	2.5	4.0	3.5	.3	B-1.0 F- .5		X	X	X		
3311		1.8 1.8 2.0 2.0	2.0	1.5	3.0	2.5	4.0	3.5	.3	B-1.0 F- .5	X	X	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.

B-Borders F-Furrows

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3321/BC		1.8 1.8 2.0 2.0	2.0	1.5	3.0	2.5	4.0	3.5	.3	B- .7 F- .5		X	X	X		
3331 3331/BC		1.8 1.8 1.8 1.8	2.0	1.5	3.0	2.5	4.0	3.5	.5	B-.7 F-.5		X	X	X		
4421		1.5 1.5 2.0 2.0	2.0	1.5	3.0	2.5	4.0	3.5	.5	B-.5 F-.3		X	X	X		
33H2		1.8 1.8 1.0 1.0	2.0	1.5	3.0	2.0	4.0	2.5	.75	B-.5 F-.3		X	X	X		
4341		1.5 1.8 1.8 1.8	2.0	1.5	3.0	2.5	4.0	3.5	.75	B-.5 F-.3		X	X	X		

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1/ Puddling may occur when using sprinklers on .5-.5 intake family soils.
2/ Drip irrigation recommended on orchards or high value row crops only.
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33L2/C		1.8 1.8	2.0	1.5	2.0	1.5	2.0	1.5	.75	B .5 F-.3		X	X	X		
33J2/B		1.8 1.8 .5 .5	2.0	1.5	3.0	2.0	4.0	2.0	.75	B-.5 F-.3		X	X	X		
5321		1.0 1.0 1.8 1.8	2.0	1.0	3.0	1.5	4.0	2.5	.75	B-.5 F-.3		X	X	X		
4451		1.5 1.5 1.0 1.0	2.0	1.5	3.0	2.0	4.0	2.5	1.0	B-.3 F-.3		X	X	X		
44J2		1.5 1.5 .5 .5	2.0	1.5	3.0	1.5	4.0	2.0	1.0	B-.3 F-.3		X	X	X		

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5531		1.0 1.0 1.8 1.8	2.0	1.0	3.0	1.5	4.0	2.5	1.0	B-.3 F-.3		X	X	X		
5351		1:0 1.5 1.5 1.5	2.0	1.0	3.0	2.0	4.0	2.5	1.0	B-.3 F-.3		X	X	X		
5451 5551 03H/C		1.0 1.0 1.0 1.0	2.0	1.0	3.0	1.5	4.0	2.0	1.5				X	X		
54J2		1.0 1.0 .5 :5	2.0	1.0	3.0	1.0	4.0	1.5	1.5				X	X		

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