UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Albuquerque, New M

SOIL INTERPRETATIONS FOR IRRIGATION IN THE Chama Field Office

Date: February 1978

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 4/: Level 12	Graded 3/ 13	Sprinkler 1/ 14	Drip 2/ 15	16	17
1121		1.8 1.8 2.0 2.0	2.0	1.5	3.0	2.5	4.0	3.5	.1	B-1.0 F-1.0		X	X	X		
1111		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-1.0		X	X	X		
1211		1.8 2.0 2.0 1.8	2.0	1.5	3.0	2.5	4.0	3.5	.1	B-1.0 F-1.0		X	X	X		
2221 22L1 22C1		2.0 2.0 2.0 2.0	2.0	2.0	3.0	3.0	4.0	4.0	.1	B-1.0 F-1.0		X	X	X		

B = Burrows 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.

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2211 2231		2.0 2.0 1.8 1.8	2.0	2.0	3.0	2.5	4.0	3.5	.1	B-1.0 F-1.0		X	X	X		
2111		2.0 1.8 1.8 1.8	2.0	1.5	3.0	2.5	4.0	3.5	.1	B-1.0 F-1.0		X	X	X		
2121		2.0 1.8 2.0 2.0	2.0	1.5	3.0	2.5	4.0	3.5	.1	B-1.0 F-1.0		X	X	X		
21C1 21M1		2.0 1.8 1.8	2.0	1.5	3.0	2.5	3.0	2.5	.1	B-1.0 F-1.0		X	X	X		

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21C3		2.0 1.8	2.0	1.5	2.0	1.5	2.0	1.5	.1	B-1.0 F-1.0		X	X	X		
22C2 22K2 22L2		2.0 2.0	2.0	2.0	2.0	2.0	2.0	2.0	.1	B-1.0 F-1.0		X	X	X		
22C3		2.0	1.0	1.0	1.0	1.0	1.0	1.0	.1	B-1.0 F-1.0		X	X	X		
2331		2.0 1.8 1.8 1.8	2.0	1.5	3.0	2.5	4.0	3.5	.3	B-1.0 F-1.0		X	X	X		
22H1		2.0 2.0 2.0 1.2	2.0	2.0	3.0	3.0	4.0	3.5	.3	B-1.0 F-1.0		X	X	X		

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2341		2.0 1.8 1.5 1.5	2.0	1.5	3.0	2.5	4.0	3.0	.3	B-1.0 F-1.0		X	X	X		
3111		1.8 1.8 1.8 1.8	2.0	1.5	3.0	2.5	4.0	3.5	.3	B-1.0 F-1.0		X	X	X		
3211		1.8 2.0 1.8 1.8	2.0	1.5	3.0	2.5	4.0	3.5	.3	B-1.0 F-1.0		X	X	X		
3221 3331 3321		1.8 1.8 1.8 1.8	2.0	1.5	3.0	2.5	4.0	3.5	.5	B-2.0 F-1.0		X	X	X		

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33H1 33L1		1.8 1.8 1.8 1.2	2.0	1.5	3.0	2.5	4.0	3.0	.5	B-2.0 F-1.0		X	X	X		
33J1 32J1		1.8 1.8 1.8 .8	2.0	1.5	3.0	2.5	4.0	3.0	.5	B-2.0 F-1.0		X	X	X		
22J2		2.0 2.0 .8 .8	2.0	2.0	3.0	2.0	4.0	2.5	.5	B-2.0 F-1.0		X	X	X		
33J1		1.8 1.8 1.0 1.0	2.0	1.5	3.0	2.0	4.0	2.5	.75	B-2.0 F-1.0		X	X	X		

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335I		1.8 1.8 .5 .5	2.0	1.5	3.0	2.0	4.0	2.0	.75	B-4.0 F-2.0		X	X	X		
22P2 23P2 24P2		2.0 .5 .5 .5	2.0	1.0	3.0	1.5	4.0	1.5	.75	B-4.0 F-2.0		X	X	X		
33P1		1.8 1.8 1.8 .5	2.0	1.5	3.0	2.5	4.0	3.0	.75	B-4.0 F-2.0		X	X	X		
33H2 32H2		1.8 1.8 1.2 1.2	2.0	1.5	3.0	2.0	4.0	3.0	.75	B-4.0 F-2.0		X	X	X		

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32J2 32K2 33J2		1.8 1.8 .8 .8	2.0	1.5	3.0	2.0	4.0	2.5	.75	B-4.0 F-2.0		X	X	X		
22H3		2.0 1.2 1.2 1.2	2.0	1.5	3.0	2.0	4.0	2.5	.75	B-4.0 F-2.0		X	X	X		
32H3 33H3		1.8 1.2 1.2 1.2	2.0	1.5	3.0	2.0	4.0	2.5	.75	B-4.0 F-2.0		X	X	X		
32J3		1.8 .8 .8 .8	2.0	1.0	3.0	1.5	4.0	2.0	.75	B-4.0 F-2.0		X	X	X		

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33L2		1.8 1.8	2.0	1.5	2.0	1.5	2.0	1.5	.75	B-4.0 F-2.0		X	X	X		
33K3 32K3 32L3 33L3		1.8	1.0	.5	1.0	.5	1.0	.5	.75	B-4.0 F-2.0		X	X	X		
3451		1.8 1.6 .5 .5	2.0	1.5	3.0	2.0	4.0	2.0	1.0	B-4.0 F-2.0		X	X	X		
34H2		1.8 1.2 1.2 1.2	2.0	1.5	3.0	2.0	4.0	2.5	1.0	B-4.0 F-2.0		X	X	X		

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34J3 33J3		1.8 .8 .8 .8	2.0	1.0	3.0	2.0	4.0	2.0	1.0	B-4.0 F-2.0		X	X	X		
03H		1.2 1.2 1.2 1.2	2.0	1.0	3.0	1.5	4.0	2.0	1.0	B-4.0 F-2.0		X	X	X		
4J		.8 .8 .8 .8	2.0	.5	3.0	1.0	4.0	1.5	1.5	-			X	X		

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SOIL INTERPRETATIONS FOR IRRIGATION IN THE Chama Field Office (Lumberton Area)

Date: February 1978

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: Not Moisture to be Replaced (in.) 5	Medium Rooted Crops: Moisture Replacement Depth (ft.) 6	Medium Rooted Crops: Not Moisture to be Replaced (in.) 7	Deep Rooted Crops: Moisture Replacement Depth (ft.) 8	Deep Rooted Crops: Not 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
5/ 010	Unnamed Assoc.	2.2 2.2 2.0 2.0	2.0	2.0	3.0	3.0	4.0	4.0	.1	B-1.0 F-1.0		X	X	X		
228	Unnamed Assoc.	2.2 2.2 2.2 2.2	2.0	2.0	3.0	3.0	4.0	4.0	.5	B-2.0 F-1.0		X	X	X		
4/ 236	Unnamed Assoc.	2.0 .5 .5 .5	2.0	1.0	3.0	1.5	4.0	1.5	.75	B-4.0 F-2.0		X	X	X		

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

5/ Shale can occur at 24-40" on some soils.

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SOIL INTERPRETATIONS FOR IRRIGATION IN THE Chama Field Office (Nutrias Area)

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6/ 23	Unnamed Loam	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-1.0		X	X	X		
6/ 25	Unnamed Complex	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-1.0		X	X	X		
271	Unnamed Silty Clay Loam	2.2 2.2 2.0 2.0	2.0	2.0	3.0	3.0	4.0	4.0	.1	B-1.0 F-1.0		X	X	X		

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6/ Cobbly and stony layers can affect interpretations.