UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Albuquerque, New Mexico

SOIL INTERPRETATIONS FOR IRRIGATION IN THE Cuba 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	3/ Graded 13	1/ Sprinkler 14	2/ Drip 15	16	17
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		
1221 2111 2121 2221 2221b 2211		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		
1311 3111 1331		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		
2321 2331 2311		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		

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.

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3221 3211		1.8 2.0 2.0 2.0	2.0	1.5	3.0	2.5	4.0	3.5	.3	B-1.0 F-1.0		X	X	X		
4211		1.6 2.0 2.0 2.0	2.0	1.5	3.0	2.5	4.0	3.5	.3	B-1.0 F-1.0		X	X	X		
22H2		2.0 2.0 1.2 1.2	2.0	2.0	3.0	2.5	4.0	3.0	.3	B-1.0 F-1.0		X	X	X		
12P1		1.8 2.0 2.0 1.2	2.0	1.5	3.0	2.5	4.0	3.5	.3	B-1.0 F-1.0		X	X	X		
21P1 23P1		2.0 1.8 1.8 1.2	2.0	1.5	3.0	2.5	4.0	3.0	.3	B-1.0 F-1.0		X	X	X		

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22P1		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						
31H1		1.8 1.8 1.8 1.2	2.0	1.5	3.0	2.5	4.0	3.0	.3	B-1.0 F-1.0		X	X	X		
32M1		1.8 2.0 2.0	2.0	1.5	3.0	2.5	3.0	2.5	.3	B-1.0 F-1.0		X	X	X		
31P1		1.8 1.8 1.8 .5	2.0	1.5	3.0	2.5	4.0	3.0	.3	B-1.0 F-1.0		X	X	X		
32P1		1.8 2.0 2.0 .5	2.0	1.5	3.0	2.5	4.0	3.0	.3	B-1.0 F-1.0		X	X	X		

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2341		2.0 1.8 1.6 1.6	2.0	1.5	3.0	2.5	4.0	3.5	.5	B-2.0 F-1.0		X	X	X		
2431		2.0 1.5 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		
3331		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		
3241		1.8 2.0 1.6 1.6	2.0	1.5	3.0	2.5	4.0	3.5	.5	B-2.0 F-1.0		X	X	X		
3321 3311		1.8 1.8 2.0 2.0	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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3231		1.8 2.0 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		
3341		1.8 1.8 1.6 1.6	2.0	1.5	3.0	2.5	4.0	3.0	.5	B-2.0 F-1.0		X	X	X		
4131		1.5 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		
32J1		1.8 2.0 2.0 .8	2.0	1.5	3.0	2.5	4.0	3.0	.5	B-2.0 F-1.0		X	X	X		
32H1		1.8 2.0 2.0 1.2	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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32P1		1.8 2.0 2.0 .5	2.0	1.5	3.0	2.5	4.0	3.0	.5	B-2.0 F-1.0		X	X	X		
33M2		1.8 1.8 1.8	2.0	1.5	3.0	2.5	3.0	2.5	.5	B-2.0 F-1.0		X	X	X		
3341		1.8 1.8 1.6 1.6	2.0	1.5	3.0	2.5	4.0	3.0	.75	B-4.0 F-2.0		X	X	X		
3251		1.8 2.0 1.0 1.0	2.0	1.5	3.0	2.0	4.0	2.5	.75	B-4.0 F-2.0		X	X	X		
1441		1.8 1.5 1.5 1.5	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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34P1		1.8 1.5 1.5 .5	2.0	1.5	3.0	2.0	4.0	2.5	.75	B-4.0 F-2.0		X	X	X		
34M2		1.8 1.6 1.6	2.0	1.5	3.0	2.5	3.0	2.5	.75	B-4.0 F-2.0		X	X	X		
4421		1.5 1.5 2.0 2.0	2.0	1.5	3.0	2.5	4.0	3.5	.75	B-4.0 F-2.0		X	X	X		
33J3 32J3		1.8 .8 .8 .8	2.0	1.0	3.0	1.5	4.0	2.0	1.0	B-4.0 F-2.0		X	X	X		
4441		1.5 1.5 1.5 1.5	2.0	1.5	3.0	2.0	4.0	3.0	1.0	B-4.0 F-2.0		X	X	X		

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			Shallow Rooted Crops		Medium Rooted Crops		Deep Rooted Crops				Adapted Conservation Irrigation Systems					
Map Symbol 1	Soil Name 2	Available Moisture-holding Capacity per foot of soil Depth (in.) 3	Mois-ture Replace-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	Family Intake Curve Design-nation Curve No. 10	Recom-mended Maximum Irriga-tion Grade Feet per 100 feet 11	Level 12	3/ Graded 13	1/ Sprink-ler 14	2/ Drip 15	16	17
44P1		1.5 1.5 1.5 .5	2.0	1.5	3.0	2.0	4.0	2.5	1.0	B -4.0 F -2.0		X	X	X		
44P2		1.5 1.5 .5 .5	2.0	1.5	3.0	1.5	4.0	2.0	1.5	B -4.0 F -2.0		X	X	X		
410	Zia Loam	2.0 1.5 1.5 1.5	2	1.5	3	2.0	4	3.0	.75	B -.5 F-1.0	X	X	X	X		
417	Jocity Loam	2.0 2.4 2.0 1.8	2	2.0	3	3.0	4	4.0	.3	B -.5 F- 2.0		X	X	X		
418	Jocity Clay Loam	2.4 2.4 2.0 1.8	2	2.0	3	3.0	4	4.0	.1	B -.3 F-2.0		X	X	X		
420	Pinavetes Loamy Sand	.9 .5 .5 .5	2	.5	3	.5	4	1.0	1.5	- -			X	X		

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B – Borders
F - Furrows

NOTE: Slow intake rates of .1-.3 intake family soils may limit net moisture replacement to 2” application.