UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Albuquerque, New Mexico

SOIL INTERPRETATIONS FOR IRRIGATION IN THE Lovington FO

Date: Feb. 1977

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	1/ Sprinkler 14	Drip 15	16	17
So	Slaughter Loam	2.0	1.0	1.0	1.0	1.0	1.0	1.0	.1	F- .5 B-1.0		X	X			
Su St	Stegall Soils	2.0 2.0	2.0	2.0	2.0	2.0	2.0	2.0	.3	B-1.0 F- .5		X	X			
Ah	Amarillo Loam	2.0 2.1 2.1 2.1	2.0	2.0	3.0	3.0	4.0	4.0	.5	B-1.0 F- .5		2/ X	X			
Le PH Po At Zt	Lea Loam Portales Loam Arvana Loam Zita Loam	2.0 2.0 2.0	2.0	2.0	2.5	2.5	2.5	2.5	.5	B- .7 F- .4		X	X			
Am	Arch Loam	1.8 2.0 2.0	2.0	1.5	2.5	2.0	2.5	2.0	.75	B- .7 F- .4		X	X			

B - Borders F - Furrows

1/ Puddling may occur when using pivotal sprinklers on .1-.5 intake family soils.
2/ Tailwater recovery system may be used to improve irrigation uniformity.

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Kb Kc Kg	Kimbraugh Soils	2.0	1.0	1.0	1.0	1.0	1.0	1.0	.75	B-.7 F-.4		X	X			
Ma Me	Mansker Loam	2.0 2.0	2.0	2.0	2.0	2.0	2.0	2.0	.75	B-.7 F-.4		X	X			
Ap Ar	Arvana Fine Sandy Loam															
Pe Pf	Portales Fine Sandy Loam	1.5 2.0 2.0	2.0	1.5	3.0	2.5	3.0	2.5	.75	B-.7 F-.5		X	X			
Zf	Zita Fine Sandy Loam															
La	Lea Fine Sandy Loam															

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Sm Sn Sh	Simona Fine Sandy Loam Sharvana Fine Sandy Loam	1.5	1.0	.5	1.0	.5	1.0	.5	.75	B-.7 F-.4		X	X			
Af Ag	Amarillo Fine Sandy Loam	1.5 2.0 2.0	2.0	1.5	3.0	2.5	4.0	3.5	.75	B-.7 F-.4		2/ X	X			
Ad	Amarillo Loamy Fine Sand	1.0 1.8 1.8 1.8	2	1.0	3	2.0	4	3.0	1.0	B-.5 F-.3		X	X			
Sf	Sharvana Loamy Fine Sand	1.2	1.0	.5	1.0	.5	1.0	.5	1.5				X			

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An Ao	Arvana Loamy Fine Sand	1.2 2.0 2.0	2.0	1.5	3.0	2.5	3.0	2.5	1.5	B-.5 F-.3		X	X			
Go	Gomez Loamy Fine Sand	1.0 1.2 1.8	2.0	1.0	3.0	2.0	3.0	2.0	1.5	B-.5 F-.3		X	X			
Ak	Amarillo Gomez Fine Sands	.7 .7 1.5 1.5	2.0	.5	3.0	1.0	4.0	2.0	2.0				X			
Bp Br	Brownfield and Patricia Fine Sands	.7 .7 2.0 2.0	2.0	.5	3.0	1.5	4.0	2.5	2.0				X			
Td	Tivoli Soils	.7 .7 .7 .7	2.0	.5	3.0	1.0	4.0	1.5	2.0				X			
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