UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Albuquerque, New Mexico

SOIL INTERPRETATIONS FOR IRRIGATION IN THE Deming FO

Date: Dec. 1976

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	1/ Graded 13	2/ Sprinkler 14	3/ Drip 15	16	17
2211-Ve	Verhalen Silty Clay Loam	2.0 1.8 1.8 1.8	2	1.5	3	2.5	4	3.5	.1	B-1.0 F- .75	X	X	X	X		
2211A1-Vh 2221A1 Md 3221A1	Verhalen Silty Clay Loam-Alkali Mimbres Silty Clay Loam-Alkali	1.0 1.0 1.0 1.0	2	1.0	3	1.5	4	2.0	.1	B-1.0 F- .75	X	X	X	X		

B - Borders F - Furrows

NOTE: 1st symbol shown is field sheet symbol. 2nd symbol shown is publication symbol.

1/ Tailwater recovery systems may be used to increase irrigation uniformity.

2/ Puddling may occur when using pivotal sprinklers on soils in .1-.5 intake family. Sprinklers not recommended for irrigation water with EC greater than 2500.

3/ Drip irrigation recommended for orchard or high value row crops only.

4/ Leveling limited by unsuitable subsoil materials and/or salt accumulations.

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Albuquerque, New Mexico

Date: Dec. 1976

SOIL INTERPRETATIONS FOR IRRIGATION IN THE Deming 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	1/ Graded 13	2/ Sprinkler 14	3/ Drip 15	16	17
22U2A1 32U2A1 43G2A1 Ho 2111A1 3111A1	Hondale Loam	1.8 1.0 1.0	2	1.0	3	1.5	4	2.0	.1	B-1.0 F- .75	4/ X	4/ X	X	X		
22U2A2 22U2A2 B-3 Hr 32U2A2 43U2A2 221A2 211A2 3221A2	Hondale Soils Strongly Alkali	1.0 .6 .6 .6	2	.5	3	1.0	4	1.0	.1	B-1.0 F- .75	4/ X	4/ X	X	X		
3221U Hk 2221 Mc 2242	Harkey Silt Loam Mimbres Silty Clay Loam	2.0 2.0 2.0 2.0	2	2.0	3	3.0	4	4.0	.3	B-1.0 F- .75	X	X	X	X		

B - Borders F - Furrows

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Albuquerque, New Mexico

Date: Dec. 1976

SOIL INTERPRETATIONS FOR IRRIGATION IN THE Deming 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 13 (1/)	Sprinkler 14 (2/)	Drip 15 (3/)	16	17
2221h 2221w Sw 21L2 222/AB SU	Stellar Silty Clay Loam	2.0 1.8 1.8 1.5	2	1.5	3	2.5	4	3.5	.3	B-1.0 F- .75	X	X	X	X		
2241 Me	Mimbres Silty Clay Loam-Sandy Subsoil Variant	2.0 2.0 1.0	2	2.0	3	2.5	3	2.5	.3	B-1.0 F- .75	X	X	X	X		
22L2 Ka 22L2/L	Karro Silty Clay Loam	2.0 1.8	2	1.5	2	1.5	2	1.5	.3	B-.5 F-.3		4/ X	X	X		
3331 Gm	Gila Loam	2.0 1.8 1.8 1.6	2	1.5	3	2.5	4	3.5	.5	B-1.0 F- .6	X	X	X	X		

B - Borders F - Furrows

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Albuquerque, New Mexico

SOIL INTERPRETATIONS FOR IRRIGATION IN THE Deming FO

Date: Dec. 1976

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	1/ Graded 13	2/ Sprinkler 14	3/ Drip 15	16	17
3221 Mb	Mimbres Loam	2.0 2.0 2.0 2.0	2	2.0	3	3.0	4	4.0	.5	B-1.0 F- .6	X	X	X	X		
32L2 Dc 32L2 B	Dona Ana Sandy Clay Loam	1.8 1.8 1.8 1.8	2	1.5	3	2.5	4	3.0	.5	B-1.0 F- .6	X	X	X	X		
33J2 Da 43L2	Dona Ana Sandy Loam	1.5 1.8 1.8 .8	2	1.5	3	1.5	4	2.5	.5	B-1.0 F- .6	X	X	X	X		
4221h Ms	Mohave Sandy Loam	1.4 1.8 1.8 1.8	2	1.5	3	2.5	4	3.0	.5	B-1.0 F- .6	X	X	X	X		
3221h Mt 322 MU AB	Mohave Sandy Clay Loam	1.8 1.8 1.8 1.8	2	1.5	3	2.5	4	3.5	.5	B-1.0 F- .6	X	X	X	X		

B - Borders F - Furrows

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Albuquerque, New Mexico

Date: Dec. 1976

SOIL INTERPRETATIONS FOR IRRIGATION IN THE Deming 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 1/ 13	Sprinkler 2/ 14	Drip 3/ 15	16	17
3221A1 M 2221 Mn L 3221 L 4221U Ha 3221U C Hh 3221U M	Mimbres Soils-Eroded; Harkey Sandy Loam; Harkey Loam-Hummocky	1.5 2.0 2.0 2.0	2	1.5	3	2.5	4	3.5	.5	B-1.0 F- .6	X	X	X	X		
4321 4331 Ga 5321 4331 M Gh 4331 M	Gila Sandy Loam; Gila Sandy Loam-Hummocky	1.5 1.8 1.8 1.6	2	1.5	3	2.5	4	3.0	.5	B-.75 F-.5	X	X	X	X		

B - Borders F - Furrows

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Albuquerque, New Mexico

SOIL INTERPRETATIONS FOR IRRIGATION IN THE Deming FO

Date: Dec. 1976

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
23L3K 33L3K B Ja 33L3K M	Jal Fine Sandy Loam	1.5	1	.5	1	.5	1	.5	.75	B-.5 F-.3		1/ 4/ X	X	X		
44J2 Ma 4441	Maricopa Sandy Loam	1.5 1.5 .6 .6	2	1.5	3	1.5	4	2.0	1.0	B-.75 F-.5	4/ X	4/ X	X	X		
0431 AB Sn 04331 AB SO 4331X B	Sonoita Gravelly Sandy Loam	1.0 1.5 1.5 1.5	2	1.0	3	2.0	4	2.5	1.0	B-.75 F-.5	X	X	X	X		
5551 5551 Bd C 5551 Be M	Bluepoint Loamy Sand	.8 1.0 1.0 1.0	2	.5	3	1.0	4	1.5	1.5	B-.75 F-.5		X	X	X		

B - Borders F - Furrows

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Albuquerque, New Mexico

SOIL INTERPRETATIONS FOR IRRIGATION IN THE Deming FO

Date: Dec. 1976

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 (2/)	Drip 15 (3/)	16	17
4441 M Mah	Maricopa Sandy Loam-Hummocky	.8 .8 .6 .6	2	.5	3	1.0	4	1.0	1.5	B-.75 F-.5		X	X	X		
55J2 Yt	Yturbide Loamy Sand	.8 .6 .6 .6	2	.5	3	1.0	4	1.0	2.0	B-.75 F-.5		X	X	X		
43L2 BM Dp	Dona Ana-Pintura Complex Eroded															
	Dona Ana Series	1.8 1.8 1.8 1.0	2	1.5	3	2.5	4	3.0	.5	B-1.0 F- .75	X	X	X	X		
	Pintura Series	.6 .6 .6 .6	2	.5	3	.5	4	1.0	2.0	B-.75 F-.5		X	X	X		

B - Borders F - Furrows

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Albuquerque, New Mexico

SOIL INTERPRETATIONS FOR IRRIGATION IN THE Deming FO

Date: Dec. 1976

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 (2/)	Drip 15 (3/)	16	17
4221h B-M My 4221h M	Mohave-Pintura Complex															
	Mohave Series	1.8 1.8 2.0	2	1.5	3	1.5	3	2.5	.5	B-1.0 F- .75	X	X	X	X		
	Pintura Series	.8 .8 .8 .8	2	.5	3	1.0	4	1.5	2.0	B-.75 F-.5		X	X	X		
4331X B-M Ss	Sonoita-Pintura Complex-Eroded															
	Sonita Series	1.5 1.5 1.5 1.5	2	1.5	3	2.0	4	3.0	1.0	B-.75 F-.5	X	X	X	X		
	Pintura Series	.8 .8 .8 .8	2	.5	3	1.0	4	1.5	2.0	B-.75 F-.5		X	X	X		

B - Borders F - Furrows