

APPENDIX A

FORAGE SUITABILITY GROUP RULES

FSG-NAME	Available Water Capacity (AWC) (inches in 0-60")	Soil Depth (in)	Sodium Adsorpt. Ratio (SAR) 0-12 inches	Salinity, Elec. Condu. (EC) (mmhos/cm) 0-40 inches	Soil Surface Clay Percent RV 0-8 inches	RV Depth of Water Table	Soil Reaction pH RV 0-40 inches	CaCO3 Equivalent (RV %) 0-12 inches	Saturated Hydraulic Conductivity (Ksat) (inches/hr.) for 0-40 inches	Flood Duration & Frequency	Ponding	RV Slope	Misc	Data
Acid Loam/Clay	>6	>20	<13	<4	7-35	>72	5.5-8.5	<15	Min=>.2 & Max.=>6.0	Not long or very long with frequent or very frequent	Not long or very long	0 -15		
Clayey	>6	>20	<13	<4	>35	>72	5.5-8.5	<15	<=0.2	Not long or very long with frequent or very frequent	Not long or very long	0 -15		
Clayey, Dry	3-6	>20	<13	<4	>35	>72	5.5-8.5	<15	<=0.2	Not long or very long with frequent or very frequent	Not long or very long	0 -15		
Clayey, Dry-Mod. Saline	3-6	>20	<13	4-8	>35	>72	5.5-8.5	<15	<=0.2	Not long or very long with frequent or very frequent	Not long or very long	0 -15		
Clayey, Dry-Saline	3-6	>20	<13	8-16	>35	>72	5.5-8.5	<15	<=0.2	Not long or very long with frequent or very frequent	Not long or very long	0 -15		
Clayey, Mod. Saline	6-9	>20	<13	4-8	>35	>72	5.5-8.5	<15	<=0.2	Not long or very long with frequent or very frequent	Not long or very long	0 -15		

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Clayey, Saline	6-9	>20	<13	8-16	>35	>72	5.5-8.5	<15	<=0.2	Not long or very long with frequent or very frequent	Not long or very long	0 -15		
Deep Sub-Irrigated, Loam-Mod Saline	>9	>20	<13	<4	7-35	>48 - 72	5.5-8.5	<15	<=0.2	Not long or very long with frequent or very frequent	Not long or very long	0 -15		
Deep Sub-Irrigated, Loamy	>9	>20	<13	<4	7-35	>48 - 72	5.5-8.5	<15	.2-6	Not long or very long with frequent or very frequent	Not long or very long	0 -15		
Deep Sub-Irrigated, Saline	>6-9	>20	<13	8-16	7-35	>48 - 72	5.5-8.5	<15	0.2-6.0	Not long or very long with frequent or very frequent	Not long or very long	0 -15		
Deep Sub-Irrigated, Sandy	3-6	>20	<13	<4	<7	>72	5.5-8.5	<15	Min.>0.2 & <6.0, Max.>6.0	Not long or very long with frequent or very frequent	Not long or very long	0 -15		
Limy	6-9	>20	<13	<4	7-35	>72	5.5-8.5	>=15	.2-6.0	Not long or very long with frequent or very frequent	Not long or very long	0 - 15		

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Limy, Clayey	>9	>20		<4	7-35	>72	Min. <5.5	<15	<=0.2	Not long or very long with frequent or very frequent	Not long or very long	0 - 15		
Limy, Sub-Irrigated		>20	<13	<4		18-48	5.5-8.5	>=15		Not long or very long with frequent or very frequent	Not long or very long	0 - 15		
Loam/Clay, Mod. Saline	>9	>20		<4	7-35	>72	5.5-8.5		<=0.2	Not long or very long with frequent or very frequent	Not long or very long	0 - 15		
Loam/Clay, Saline	>9	>20		4-8	7-35	>72	5.5-8.5		<=0.2	Not long or very long with frequent or very frequent	Not long or very long	0 - 15		
Loamy	6-9	>20	<13	<4	7-35	>72	5.5-8.5	>=15	.2-6.0	Not long or very long with frequent or very frequent	Not long or very long	0 - 15		
Loamy, Dry	3-6	>20	<13	<4	7-35	>72	5.5-8.5	<15	.2-6	Not long or very long with frequent or very frequent	Not long or very long	0 - 15		

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Loamy, Dry-Mod. Saline	3-6	>20	<13	4-8	7-35	>72	5.5-8.5	<15	.2-6	Not long or very long with frequent or very frequent	Not long or very long	0 - 15		
Loamy, Dry-Saline	3-6	>20	<13	8-16	7-35	>72	5.5-8.5	<15	.2-6	Not long or very long with frequent or very frequent	Not long or very long	0 - 15		
Loamy, Mod. Saline	6-9	>20	<13	<4	7-35	>72	5.5-8.5	>=15	.2-6.0	Not long or very long with frequent or very frequent	Not long or very long	0 - 15		
Loamy, Saline	6-9	>20	<13	8-16	7-35	>72	5.5-8.5	<15	.2-6	Not long or very long with frequent or very frequent	Not long or very long	0 - 15		
Loamy, Saline/Sodic	>9	>20	<13	4-8	7-35	18-48	>8.5	<15	.2-6.0	Not long or very long with frequent or very frequent	Not long or very long	0 - 15		
Loamy, Sodic	>9	>20	<13	8-16	7-35	>72	>8.5	<15	.2-6.0	Not long or very long with frequent or very frequent	Not long or very long	0 - 15		

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Needs Field Review	<3	<20	>13	>16						Freq/v. freq and very long	Very Long	>30%	Misc. Comp.	No Data
Needs Field Review (Clayey)	6-9	>20	<13	<4	>35	>72	5.5-8.5	<15	<=0.2	Not long or very long with frequent or very frequent	Not long or very long	15 - 30		
Needs Field Review (Clayey, Dry)	3-6	>20	<13	<4	>35	>72	5.5-8.5	<15	<=0.2	Not long or very long with frequent or very frequent	Not long or very long	15 - 30		
Needs Field Review (Clayey, Dry-Mod. Saline)	3-6	>20	<13	4-8	>35	>72	5.5-8.5	<15	<=0.2	Not long or very long with frequent or very frequent	Not long or very long	15 - 30		
Needs Field Review (Clayey, Dry-Saline)	3-6	>20	<13	8-16	>35	>72	5.5-8.5	<15	<=0.2	Not long or very long with frequent or very frequent	Not long or very long	15 - 30		
Needs Field Review (Clayey, Mod. Saline)	6-9	>20	<13	4-8	>35	>72	5.5-8.5	<15	<=0.2	Not long or very long with frequent or very frequent	Not long or very long	15 - 30		

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Needs Field Review (Clayey, Saline)	6-9	>20	<13	8-16	>35	>72	5.5-8.5	<15	<=0.2	Not long or very long with frequent or very frequent	Not long or very long	15 - 30		
Needs Field Review (Limy)	>9	>20	<13	<4	7-35	>72	5.5-8.5	>=15	.2-6.0	Not long or very long with frequent or very frequent	Not long or very long	15 - 30		
Needs Field Review (Loamy)	6-9	>20	<13	<4	7-35	>72	5.5-8.5	<15	.2-6	Not long or very long with frequent or very frequent	Not long or very long	15 - 30		
Needs Field Review (Loamy, Dry)	3-6	>20	<13	4-8	7-35	>72	5.5-8.5	<15	.2-6	Not long or very long with frequent or very frequent	Not long or very long	15 - 30		
Needs Field Review (Loamy, Dry-Mod. Saline)	6-9	>20	<13	4-8	7-35	>72	5.5-8.5	<15	.2-6	Not long or very long with frequent or very frequent	Not long or very long	15 - 30		
Needs Field Review (Loamy, Dry-Saline)	6-9	>20	<13	8-16	7-35	>72	5.5-8.5	<15	.2-6	Not long or very long with frequent or very frequent	Not long or very long	15 - 30		

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Needs Field Review (Loamy, Mod. Saline)	>9	>20	<13	4-8	7-35	>72	5.5-8.5	<15	.2-6	Not long or very long with frequent or very frequent	Not long or very long	15 - 30		
Needs Field Review (Loamy, Saline)	>9	>20	<13	8-16	7-35	>72	5.5-8.5	<15	.2-6	Not long or very long with frequent or very frequent	Not long or very long	15 - 30		
Needs Field Review (Sandy)	6-9	>20	<13	<4	<7	>72	5.5-8.5	<15	>6	Not long or very long with frequent or very frequent	Not long or very long	15 - 30		
Needs Field Review (Sandy, Dry)	3-6	>20	<13	<4	<7	>72	5.5-8.5	<15	>6	Not long or very long with frequent or very frequent	Not long or very long	15 - 30		
Saline Wet		>20	<13	8-16		OR <18					OR Long; NOT very long			
Sandy	6-9	>20	<13	<4	<7	>72	5.5-8.5	<15	>6	Not long or very long with frequent or very frequent	Not long or very long	0 - 15		

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Sandy, Dry	3-6	>20		<4	7-35	>72	5.5-8.5	<15	<=0.2	Not long or very long with frequent or very frequent	Not long or very long	0 - 15		
Sub-Irrigated, Clayey		>20	<13	<4	>35	18-48	5.5-8.5	<15		Not long or very long with frequent or very frequent	Not Long/very long	0 - 15		
Sub-Irrigated, Loamy		>20	<13	<4	>7 &=<35	18-48	5.5-8.5	<15		Not long or very long with frequent or very frequent	Not long or very long	0 - 15		
Sub-Irrigated, Loamy- Sodic	>6-9	>20	<13	8-16	7-35	>72	>8.5	<15	Min=>.2 & Max.=>6.0	Not long or very long with frequent or very frequent	Not long or very long	0 - 15		
Sub-Irrigated, Mod. Saline		>20	<13	4-8		18-48	5.5-8.5	<15		Not long or very long with frequent or very frequent	Not long or very long	0 - 15		
Sub-Irrigated, Saline		>20	<13	>8-<16	<=35	18-48	5.5-8.5	<15		Not long or very long with frequent or very frequent	Not long or very long	0 - 15		

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Sub-Irrigated, Sandy	3-6	>20	<13	<4	<7	>48 - 72	5.5-8.5	<15	Min.>6.0	Not long or very long with frequent or very frequent	Not long or very long	0 - 15		
Wet		>20	<13	≤8		OR <18					OR Long; NOT very long			
Too Steep												> 30		