

WV GRASSLAND SUITABILITY GROUPS FOR PERMANENT GRASSLANDS

ML1--Moist Loams--Deep and very deep, well drained soils with high natural fertility. High soil moisture holding capacity and pH is normally greater than 5.3. Slope ranges from 0 to 25 percent. Annual precipitation is 30 to 35 inches.

ML2--Moist Loams--Deep and very deep, well drained soils with high natural fertility. High soil moisture holding capacity and pH is normally greater than 5.3. Slope ranges from 0 to 25 percent. Annual precipitation is 36 to 40 inches.

ML3--Moist Loams--Deep and very deep, well drained soils with high natural fertility. High moisture holding capacity and pH is normally greater than 5.3. Slope ranges from 0 to 25 percent. Annual precipitation is 41 to 50 inches.

ML4--Moist Loams--Deep and very deep, well drained soils with high natural fertility. High soil moisture holding capacity and pH is normally greater than 5.3. Slope ranges from 0 to 25 percent. Annual precipitation is greater than 50 inches.

MH2--Moist Hills--Deep and very deep, well drained soils with high natural fertility. High soil moisture holding capacity and pH is greater than 5.3. Slope ranges from 25 to 60 percent or 25 to 45 percent if severely eroded. Annual precipitation is 36 to 40 inches.

MH3--Moist Hills--Deep and very deep, well drained soils with high natural fertility. High soil moisture holding capacity and pH is greater than 5.3. Slope ranges from 25 to 60 percent or 25 to 45 percent if severely eroded. Annual precipitation is 41 to 50 inches.

MH4--Moist Hills-- Deep and very deep, well drained soils with high natural fertility. High soil moisture holding capacity and pH is greater than 5.3. Slope ranges from 25 to 60 percent or 25 to 45 percent if severely eroded. Annual precipitation is greater than 50 inches.

FL1--Fertile Loams--Moderately deep, deep, and very deep moderately well and well drained soils with moderate natural fertility. Moderate soil moisture holding capacity and pH is normally greater than 5.3. Slope ranges from 0 to 25 percent. Annual precipitation is 30 to 35 inches.

FL2--Fertile Loams--Moderately deep, deep, and very deep moderately well and well drained soils with moderate natural fertility. Moderate soil moisture holding capacity and pH is normally greater than 5.3. Slope ranges from 0 to 25 percent. Annual precipitation is 36 to 40 inches.

FL3--Fertile Loams-- Moderately deep, deep, and very deep moderately well and well drained soils with moderate natural fertility. Moderate soil moisture holding capacity and pH is normally greater than 5.3. Slope ranges from 0 to 25 percent. Annual precipitation is 41 to 50 inches.

FL4-- Fertile Loams-- Moderately deep, deep, and very deep moderately well and well drained soils with moderate natural fertility. Moderate soil moisture holding capacity and pH is normally greater than 5.3. Slope ranges from 0 to 25 percent. Annual precipitation is greater than 50 inches.

FH2--Fertile Hills--Moderately deep, deep, and very deep moderately well drained soils with moderate natural fertility. Moderate soil moisture holding capacity and pH is normally greater than 5.3. Slope ranges from 25 to 60 percent or 25 to 45 percent if severely eroded. Annual precipitation is 36 to 40 inches.

FH3--Fertile Hills-- Moderately deep, deep, and very deep moderately well drained soils with moderate natural fertility. Moderate soil moisture holding capacity and pH is normally greater than 5.3. Slope ranges from 25 to 60 percent or 25 to 45 percent if severely eroded. Annual precipitation is 41 to 50 inches.

RL1--Very Rocky, Limy Soils--Moderately deep, deep, and very deep well drained soils with high natural fertility. Moderate to high soil moisture holding capacity and pH is above 5.3. Slope ranges from 25 to 45 percent. Soils in this group have a very cobbly, very stony, or very rocky surface. Annual precipitation is 30 to 35 inches.

RL2--Very Rocky, Limy Soils--Moderately deep, deep, and very deep well drained soils with high natural fertility. Moderate to high soil moisture holding capacity and pH is above 5.3. Slope ranges from 25 to 45 percent. Soils in this group have a very cobbly, very stony, or very rocky surface. Annual precipitation is 36 to 40 inches.

RL3--Very Rocky, Limy Soils--Moderately deep, deep, and very deep well drained soils with high natural fertility. Moderate to high soil moisture holding capacity and pH is above 5.3. Slope ranges from 25 to 45 percent. Soils in this group have a very cobbly, very stony, or very rocky surface. Annual precipitation is 41 to 50 inches.

RL4--Very Rocky, Limy Soils--Moderately deep, deep, and very deep well drained soils with high natural fertility. Moderate to high soil moisture holding capacity and pH is above 5.3. Slope ranges from 25 to 45 percent. Soils in this group have a very cobbly, very stony, or very rocky surface. Annual precipitation is greater than 50 inches.

W1--Wetlands--Very deep, poorly and very poorly drained soils with low to moderate natural fertility. High soil moisture holding capacity and pH ranges from 4.0 to 6.0. Annual precipitation is 30 to 35 inches.

W2--Wetlands--Very deep, poorly and very poorly drained soils with low to moderate natural fertility. High soil moisture holding capacity and pH ranges from 4.0 to 6.0. Annual precipitation is 36 to 40 inches.

W3 Wetlands--Very deep, poorly and very poorly drained soils with low to moderate natural fertility. High soil moisture holding capacity and pH ranges from 4.0 to 6.0. Annual precipitation is 41 to 50 inches.

W4 Wetlands—Very deep, poorly and very poorly drained soils with low to moderate natural fertility. High soil moisture holding capacity and pH ranges from 4.0 to 6.0. Annual precipitation is greater than 50 inches.

AL1—Acid Loams—Moderately deep, deep, and very deep moderately well and well drained with low natural fertility. Moderate to high soil moisture holding capacity and pH is normally less than 5.3. Slope ranges from 0 to 25 percent. Annual precipitation is 30 to 35 inches.

AL2—Acid Loams—Moderately deep, deep, and very deep moderately well and well drained with low natural fertility. Moderate to high soil moisture holding capacity and pH is normally less than 5.3. Slope ranges from 0 to 25 percent. Annual precipitation is 36 to 40 inches.

AL3—Acid Loams—Moderately deep, deep, and very deep moderately well and well drained with low natural fertility. Moderate to high soil moisture holding capacity and pH is normally less than 5.3. Slope ranges from 0 to 25 percent. Annual precipitation is 41 to 50 inches.

AL4—Acid Loams—Moderately deep, deep, and very deep moderately well and well drained with low natural fertility. Moderate to high soil moisture holding capacity and pH is normally less than 5.3. Slope ranges from 0 to 25 percent. Annual precipitation is greater than 50 inches.

AH1—Acid Hills—Moderately deep, deep, very deep moderately well and well drained soils with low natural fertility. Moderate to high soil moisture holding capacity and pH is normally less than 5.3. Slope ranges 25 to 60 percent or 25 to 45 percent if severely eroded. Annual precipitation is 30 to 35 inches.

AH2—Acid Hills—Moderately deep, deep, very deep moderately well and well drained soils with low natural fertility. Moderate to high soil moisture holding capacity and pH is normally less than 5.3. Slope ranges 25 to 60 percent or 25 to 45 percent if severely eroded. Annual precipitation is 36 to 40 inches.

AH3—Acid Hills—Moderately deep, deep, very deep moderately well and well drained soils with low natural fertility. Moderate to high soil moisture holding capacity and pH is normally less than 5.3. Slope ranges 25 to 60 percent or 25 to 45 percent if severely eroded. Annual precipitation is 41 to 50 inches.

AH4—Acid Hills—Moderately deep, deep, very deep moderately well and well drained soils with low natural fertility. Moderate to high soil moisture holding capacity and pH is normally less than 5.3. Slope ranges 25 to 60 percent or 25 to 45 percent if severely eroded. Annual precipitation is greater than 50 inches.

RA1—Very Rocky Acid Soils—Moderately deep, deep, and very deep well drained soils with low natural fertility. Moderate to high soil moisture holding capacity and pH is normally below 5.3. Slope ranges from 0 to 25 percent. Soils in this group have a very cobbly, very stony, or very rocky surface. Annual precipitation is 30 to 35 inches.

RA2—Very Rocky Acid Soils—Moderately deep, deep, and very deep well drained soils with low natural fertility. Moderate to high soil moisture holding capacity and pH is normally below 5.3. Slope ranges from 0 to 25 percent. Soils in this group have a very cobbly, very stony, or very rocky surface. Annual precipitation is 36 to 40 inches.

RA3—Very Rocky Acid Soils—Moderately deep, deep, and very deep well drained soils with low natural fertility. Moderate to high soil moisture holding capacity and pH is normally below 5.3. Slope ranges from 0 to 25 percent. Soils in this group have a very cobbly, very stony, or very rocky surface. Annual precipitation is 41 to 50 inches.

RA4—Very Rocky Acid Soils—Moderately deep, deep, and very deep well drained soils with low natural fertility. Moderate to high soil moisture holding capacity and pH is normally below 5.3. Slope ranges from 0 to 25 percent. Soils in this group have a very cobbly, very stony, or very rocky surface. Annual precipitation is greater than 50 inches.

LU1—Limy Uplands—Moderately deep, well drained soils with moderate to high natural fertility. Low to moderate moisture holding capacity and pH is normally greater than 5.3. Slope ranges from 0 to 25 percent or 0 to 15 percent if severely eroded. Annual precipitation is 30 to 35 inches.

LU2—Limy Uplands—Moderately deep, well drained soils with moderate to high natural fertility. Low to moderate moisture holding capacity and pH is normally greater than 5.3. Slope ranges from 0 to 25 percent or 0 to 15 percent if severely eroded. Annual precipitation is 36 to 40 inches.

LU3—Limy Uplands—Moderately deep, well drained soils with moderate to high natural fertility. Low to moderate moisture holding capacity and pH is normally greater than 5.3. Slope ranges from 0 to 25 percent or 0 to 15 percent if severely eroded. Annual precipitation is 41 to 50 inches.

LU4—Limy Uplands—Moderately deep, well drained soils with moderate to high natural fertility. Low to moderate moisture holding capacity and pH is normally greater than 5.3. Slope ranges from 0 to 25 percent or 0 to 15 percent if severely eroded. Annual precipitation is over 50 inches.

LH1—Limy Hills--Moderately deep, well drained soils with moderate to high natural fertility. Low moderate moisture holding capacity and pH is normally greater than 5.3. Slope ranges from 25 to 45 percent or 15 to 35 percent if severely eroded. Annual precipitation is 30 to 35 inches.

LH2--Limy Hills--Moderately deep, well drained soils with moderate to high natural fertility. Low moderate moisture holding capacity and pH is normally greater than 5.3. Slope ranges from 25 to 45 percent or 15 to 35 percent if severely eroded. Annual precipitation is 36 to 40 inches.

LH3--Limy Hills--Moderately deep, well drained soils with moderate to high natural fertility. Low moderate moisture holding capacity and pH is normally greater than 5.3. Slope ranges from 25 to 45 percent or 15 to 35 percent if severely eroded. Annual precipitation is 41 to 50 inches.

LH4--Limy Hills--Moderately deep, well drained soils with moderate to high natural fertility. Low moderate moisture holding capacity and pH is normally greater than 5.3. Slope ranges from 25 to 45 percent or 15 to 35 percent if severely eroded. Annual precipitation is over 50 inches.

DU1-Dry Uplands-Moderately deep, well drained soils with low natural fertility. Low moisture holding capacity and pH is normally less than 5.3. Slope ranges from 0 to 25 percent or 0 to 15 percent if severely eroded. Annual precipitation is 30 to 35 inches.

DU2-Dry Uplands-Moderately deep, well drained soils with low natural fertility. Low moisture holding capacity and pH is normally less than 5.3. Slope ranges from 0 to 25 percent or 0 to 15 percent if severely eroded. Annual precipitation is 36 to 40 inches.

DU3-Dry Uplands-Moderately deep, well drained soils with low natural fertility. Low moisture holding capacity and pH is normally less than 5.3. Slope ranges from 0 to 25 percent or 0 to 15 percent if severely eroded. Annual precipitation is 41 to 50 inches.

DU4-Dry Uplands-Moderately deep, well drained soils with low natural fertility. Low moisture holding capacity and pH is normally less than 5.3. Slope ranges from 0 to 25 percent or 0 to 15 percent if severely eroded. Annual precipitation is over 50 inches.

DH1-Dry Hills-Moderately deep, well drained soils with low natural fertility. Low moisture holding capacity and pH is normally less than 5.3. Slope ranges from 25 to 45 percent or 15 to 35 percent if severely eroded. Annual precipitation is 30 to 35 inches.

DH2-Dry Hills-Moderately deep, well drained soils with low natural fertility. Low moisture holding capacity and pH is normally less than 5.3. Slope ranges from 25 to 45 percent or 15 to 35 percent if severely eroded. Annual precipitation is 36 to 40 inches.

DH3-Dry Hills-Moderately deep, well drained soils with low natural fertility. Low moisture holding capacity and pH is normally less than 5.3. Slope ranges from 25 to 45 percent or 15 to 35 percent if severely eroded. Annual precipitation is 41 to 50 inches.

DH4-Dry Hills-Moderately deep, well drained soils with low natural fertility. Low moisture holding capacity and pH is normally less than 5.3. Slope ranges from 25 to 45 percent or 15 to 35 percent if severely eroded. Annual precipitation is over 50 inches.

SD1-Droughty Shales-Shallow, well drained soils with very low natural fertility. Very low moisture holding capacity and pH is normally below 5.3. Slope ranges from 0 to 15 percent or 0 to 8 percent if severely eroded. Annual precipitation is 36 to 40 inches.

SA1-Sands-Deep and very deep, excessively drained soils with low natural fertility. Very low moisture holding capacity and pH is normally below 5.3. Slopes range from 0 to 40 percent. Annual precipitation is 30 to 35 inches.

SA3-Sands-Deep and very deep, excessively drained soils with low natural fertility. Very low moisture holding capacity and pH is normally below 5.3. Slopes range from 0 to 40 percent. Annual precipitation is 41 to 50 inches.

SA4-Sands-Deep and very deep, excessively drained soils with low natural fertility. Very low moisture holding capacity and pH is normally below 5.3. Slopes range from 0 to 40 percent. Annual precipitation is over 50 inches.

SH1—Shale Hills—Shallow, well drained soils with very low natural fertility. Very low moisture holding capacity and pH is normally below 5.3. Slopes range from 15 to 35 percent slopes or 8 to 25 percent if severely eroded. Annual precipitation is 30 to 35 inches.

SH2—Shale Hills—Shallow, well drained soils with very low natural fertility. Very low moisture holding capacity and pH is normally below 5.3. Slopes range from 15 to 35 percent slopes or 8 to 25 percent if severely eroded. Annual precipitation is 36 to 40 inches.

SH3—Shale Hills—Shallow, well drained soils with very low natural fertility. Very low moisture holding capacity and pH is normally below 5.3. Slopes range from 15 to 35 percent slopes or 8 to 25 percent if severely eroded. Annual precipitation is 41 to 50 inches.

NS—Not Suited—All other soils that have a combination of soil properties and climate limitations that make them not suited for forage production because adequate growth for forage use plus soil stabilization is normally not possible.