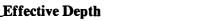
Score Card: Oregon State Soil Judging

Supplement to Extension Manual 6

Contestant		Site	
School			
First Horizon (to inches)	Color	Mottles	Third Horizon (to inches)
Color	1 = Dark brown, Very dark brown,	1 = None	Color
Mottles	Black $2 = $ Light brown, Brown	2 = Few to common $3 = Many$	Mottles
Texture	Yellowish brown	$\mathbf{S} = \mathbf{Many}$	Texture
Coarse Fragments	3 = Red, Reddish brown 4 = Dark gray,		Coarse Fragments
Structure Type	Light gray, White		Structure Type
	Texture	Coarse Fragments	
Structure Grade	1 = Sand, Loamy sand 2 = Sandy loam	1 = <15% 2 = 15 to 35%	Structure Grade
Special	3 = Loam, Silt loam	3 = 35 to 60%	Special
Features	4 = Sandy clay loam,	4 = >60%	Features
Horizon Name	Clay loam, Silty clay loam	4 = >00%	Horizon Name
Second Horizon	5 = Clay, Silty clay, Sandy clay		Fourth Horizon
(to inches)	6 = NA-Duripan, Cr, R	., 0	(to inches)
Color	Structure type	Structure grade	Color
Mottles	1 = Granular 2 = Platy	1 = Structureless $2 = Weak$	Mottles
Texture	3 = Blocky 4 = Prismatic	3 = Moderate 4 = Strong	Texture
Coarse Fragments	5 = Massive, Single grain		Coarse Fragments
Structure Type	Special features 1 = None	Horizon name 1=0 $5=C$	Structure Type
Structure	2 = Tillage pan 3 = Fragipan	$\begin{array}{ll} 2 = \mathbf{A} & 6 = \mathbf{R} \\ 3 = \mathbf{E} & 7 = \mathbf{AB}, \end{array}$	Structure
Grade	4 = Duripan	$4 = \mathbf{B} \qquad \mathbf{B}\mathbf{A}, \mathbf{B}\mathbf{C}$	
Special Features	5 = Cr 6 = Slickensides		Special ' Features
Horizon Name			Horizon Name
	al Front Total	Back G	rand Total

OREGON STATE UNIVERSITY EXTENSION SERVICE

Properties of the Whole Soil



- 1 = Deep(>40 inches)
- 2 = Moderately deep (20-40 inches)
- 3 = Shallow (10-20 inches)
- 4 = Very shallow (< 10 inches)

____Available Water-Holding Capacity

- 1 = High
- 2 = Medium
- 3 = Low
- 4 = Very low
- ____Surface Soil Permeability
 - _Subsoil Permeability
- 1 = Rapid2 = Moderate
 - 3 = Slow
- 4 = Very slow

Site Characteristics

___Site Position

- 1 = Upland
- 2 = Foot slopes or Fans
- 3 = Floodplain
- 4 = Stream terrace or Lake plain

____Parent Material

- 1 = Residuum or Colluvium
- 2 = Recent alluvium
- 3 = Old alluvium or Lacustrine
- 4 = Wind blown sands or silts
- 5 = Volcanic ash
- 6 = Two or more classes

Management Interpretations

____Drainage Feasibility

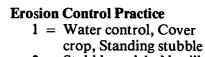
- 1 = Not needed
- $\mathbf{2} = \mathbf{Good}$
- 3 = Fair
- 4 = Poor

____Irrigation Suitability

- $\mathbf{\tilde{1}} = \mathbf{Excellent}$
- $\mathbf{2} = \mathbf{Good}$
- 3 = Fair
- 4 = Poor
- 5 =Non-irrigable

Most Intensive Crop

- 1 = Row crop/Specialty crop
- 2 = Legume hay
- 3 = Dryland wheat
- 4 = Dryland hay
- 5 = Permanent pasture/Grass seed
- 6 = Timber grazing
- 7 = Rangeland grazing
- 8 = Forestry



Water Erosion Hazard

2 = Moderate

4 =Very high

Wind Erosion Hazard

2 = Moderate

1 = Excessive

3 = Moderately well

4 = Somewhat poor

1 = Low

3 = High

1 = Low

3 = High

Internal Drainage

2 = Well

5 = Poor

Stoniness/Rockiness

2 = Stony/Rocky

3 = Very stony/Rocky

4 = Extremely stony/Rocky

1 = None

1 = 0.3%

2 = 3-7%

3 = 7 - 12%

4 = 12-20%

5 = >20%

Slope

- 2 =Stubble mulch, No-till
- 3 = Diversion terraces, No-till
- 4 = Strip crop, No-till
- 5 =Controlled grazing
- 6 = Watershed management

Reaction Correction

- 1 = None
- 2 = Correct acidity
- 3 = Correct alkalinity

Limitations for Septic

Tank Drainfields

- 1 = Slight
- $\mathbf{2} = \mathbf{Moderate}$
- 3 = Severe

TOTAL BACK

OSU 4058



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