Important: Fill in bubbles carefully and completely

Group: 1

SURFACE SOIL (Fill in ONE bubble for each item).

1. COLOR (5)

Very Dark

black, very dark gray, very dark brown, very dark grayish brown, dusky red, very dusky red, reddish black, dark reddish gray, dark reddish brown, dark gray, dark brown, dark olive brown, and dark olive gray

Medium or Bright

brown, dark grayish brown, yellowish brown, brownish yellow, yellow, dark red, reddish brown, red, weak red, light red, reddish gray, yellowish red, gray, reddish yellow, grayish brown, olive brown, light olive brown, strong brown, dark yellowish brown, and olive yellow

Very Light

white, light gray, light brownish gray, very pale brown, pale brown, light brown, light yellowish brown, pinkish gray, pink, pinkish white, light reddish brown, pale red, light pink, light reddish gray, and the white page

Drab or Mottled

liaht olive, pale olive, olive, olive gray, light olive gray, olive vellow, pale vellow, vellow, the 10Y-5GY page, and Glev 1 and Glev 2 pages

2. TEXTURE (5)

Coarse

coarse, medium, and fine sand, loamy sands

Medium

coarse sandy loam, sandy loam, fine sandy loam, very fine sandy loam, loam, silt loam, silt

Fine

sandy clay loam, clay loam, silty clay loam

Very Fine

sandy clay, silty clay, and clay

3. GRAVEL AND ROCK (3)

None to Few

<15% by Volume

Moderate

Affects Farmina Operation 15-35%

Severe

From 36-60%

Extreme Prevents Farming Operation > 60% 4. THICKNESS (3)

Very Thick 20 Inches or more

(B) Thick

10 through 19 Inches

Contestant: 1

(c) Thin 4 through 9 Inches

Very Thin

Less Than 4 Inches

SUB SOIL (Fill in ONE bubble for each item or if no SUBSOIL is present mark NONE for EACH item.

5. COLOR (5)

None (no Subsoil)

Very Dark

black very dark aray very dark brown, very dark arayish brown, dusky red, very dusky red, reddish black, dark reddish aray, dark reddish brown

Medium or Bright

brown, dark grayish brown, yellowish brown, brownish yellow, yellow, dark red, reddish brown, red, weak red, light red, reddish gray, yellowish red, gray, reddish yellow, grayish brown, olive brown, light olive brown, strong brown, dark yellowish brown, and olive yellow

Very Light

white, light gray, light brownish gray, very pale brown, pale brown, light brown, light yellowish brown, pinkish gray, pink, pinkish white, light reddish brown, pale red, light pink, light reddish gray, and the white page

Drab or Mottled

light olive, pale olive, olive, olive gray, light olive gray, olive yellow, pale yellow, yellow, the 10Y-5GY page, and Glev 1 and Glev 2 pages

6. TEXTURE (5)

None (no Subsoil)

Coarse

coarse, medium, and fine sand, loamy sands

Medium

coarse sandy loam, sandy loam, fine sandy loam, very fine sandy loam, loam, silt loam silt

Fine

sandy clay loam, clay loam, silty clay loam

Very Fine sandy clay, silty clay, and clay 7. THICKNESS (3)

None (no Subsoil)

Very Thick

20 Inches or more

Thick

10 through 19 Inches

(D) Thin

4 through 9 Inches

Very Thin

Less Than 4 Inches

INTERPRETATION OF SOIL FEATIURES (Fill in ONE bubble for each item).

8. Type of Material that Limits Depth (5)

None

No Limiting Material

Bedrock

Soft or Hard

Hardpan Cemented

Extremely Gravelly Material or high water table

9. Parent or Underlying Material (5)

Hard Bedrock

Soft Bedrock

Loose or Mixed Mate

Organic Materials Peat or Muck

10. Depth of Soil Favorable for **Roots Water Penetration (5)**

Very Deep 60 inches or more

Deep

40 through 59 inches

Moderately Deep 20 through 39 inches

Shallow Less than 20 inches

11. Air and Water Movement (5)

Very Rapid Sands (course)

Rapid Loam sands, coarse sandy loam, sandy loam

Moderate Fine sandy loam, loam, silt loam, silt, sandy clay loam, clay loam, silty clay loam

Slow Sandy clay, clay, silty clay 12. Available Water Holding Capacity to 60 Inches (5)

Hiah > 7.5 inches

Medium 5 to 7.5'

Low 3.5 to less than 5"

Very Low Less Than 3.5 inches

ACCELERATED EROSION (Fill in ONE bubble for each item).						TOPOGRAPHY or LAY OF LAND (Fill in ONE bubble for each item).									
	nount of Erosion or Evidence of Deposition	on	14. Kinc	d of Erosion (3)		15. Landsca	pe Posi	tion (3)			16. Stee	pness of Slope (5)			
(3) (A)	None to Slight	None		A	Upland Soil Develope	Underlyi	ing Bedrock	A	Nearly L	evel an or equal to 2%					
	Less than or equal to 10%	Eviden Rill Ero	nce of Sheet or	B	Terrace, Foo Alluvial Fans	ł Slope,	Dune L	Land, Old	В	Gently Sloping Less than or equal to 5%					
have the our are a social to 0507				Gully or		Soil From Transported Materials © Bottomland						ate Sloping nan or equal to 15%			
©				nbank Erosion	Recent Alluvial Fans, Flood Plains					D	Strongly Sloping				
(D)				nce of Wind n	D	Basin Flat, Ponded	or Lake	Bed Der	posits, Playas	E	Less than or equal to 25% Steep Greater then 25%				
17. L	AND CAPABILITY CLASSIFICATION (F	ill in	ONE b	ubble ONLY).	(8)				18. LAND USE	(5)	(Bubble o	all that apply.)			
	Land Suitable for Cultivated Crops			Land Suit	table for Pern	nanent Vegeta	tion								
A	(A) CLASS I No Special Problems - Very Good Land			E CLASS V	Nearly Level Grazing Land, Few Grazing Limitations Grazing or Woodland- Some Restrictions				A Irrigated	•					
B CLASS II Some Limitations or Problems-Good La			and (F CLASS VI					B Building S O Non-Irrig	ated Crops					
© CLASS III Many Limitations or Complex Problems D CLASS IV Very Limited in Crop Use or Very Complex Problems				G CLASS VII		Range or Woodland - Severe Limitations			D Range E Woodlan	d					
				H CLASS VIII		Recreation, or	ed	Ξ.		eation, Watershed					
19. M	AJOR PROBLEMS IN USE (5)		LAND	MANAGEMEN	NT NEEDS	(Bubble all t	hat app	ly.)							
(Bubble all that apply.)			20. Ag	gricultural Mand	agement Pr	ement Practices (3) 21. Ero			Control Practices (3	3)	22. Irrigation Method (3)				
	A None		A	None	(A) No nagement or Drainage			None			A	None			
	(B) Erosion (C) Slope		В	Irrigation Man				Hone	•		B	Flood			
	© Shallow Soil Problems		©	Erosion Contro		<u> </u>			etative Cover and hes		©	Furrow			
	E Fineness or Compaction		(D)	Fertility Improv	ces			our Farming and/o	r	D	Sprinkler				
	F Dense or Hard Pan		E F	Chiseling or Ri Grazing Mana					ces and Waterway		E	Drip			
	G Courseness or Dryness H Wetness or Flooding		G	Woodland Mo	_	(D) Gully or Streambani									
URBA	N LAND LIMITATION (5) Fill in one bu	ıbble d	on each li	ine for Slight, Mod	erate, or Seve	re									
	imitation for Septic Tank Filter Fields			SLIGHT (A)	MODERAT B				Soil and	l Lanc	d Evaluati	on Pit #1 (Side 2)			
	imitations for Shrink-Swell			A	В	©						Contestant: 1			
	imations for Foundations without Baseme	ent		A	В	©									
	26. Limations for Local Roads and Streets			A	B (c) Important: Fill in bubbles carefully and (and completely					
27. Limitations for Top Soil				A	В										

4. THICKNESS (3)

Very Thick

Important: Fill in bubbles carefully and completely

(B)

(c)



SURFACE SOIL (Fill in ONE bubble for each item).

1. COLOR (5)

Very Dark

black, very dark gray, very dark brown, very dark grayish brown, dusky red, very dusky red, reddish black, dark reddish gray, dark reddish brown, dark gray, dark brown, dark olive brown, and dark olive gray

Medium or Bright

brown, dark grayish brown, yellowish brown, brownish yellow, yellow, dark red, reddish brown, red, weak red, light red, reddish gray, yellowish red, gray, reddish yellow, grayish brown, olive brown, light olive brown, strong brown, dark yellowish brown, and olive yellow

Very Light

white, light gray, light brownish gray, very pale brown, pale brown, light brown, light yellowish brown, pinkish gray, pink, pinkish white, light reddish brown, pale red, light pink, light reddish gray, and the white page

Drab or Mottled

liaht olive, pale olive, olive, olive gray, light olive gray, olive vellow, pale vellow, vellow, the 10Y-5GY page, and Glev 1 and Glev 2 pages

2. TEXTURE (5)

Coarse

coarse, medium, and fine sand, loamy sands

Medium

coarse sandy loam, sandy loam, fine sandy loam, very fine sandy loam, loam, silt loam, silt

Fine

sandy clay loam, clay loam, silty clay loam

Very Fine

sandy clay, silty clay, and clay

3. GRAVEL AND ROCK (3)

None to Few

<15% by Volume

Moderate

Affects Farmina Operation 15-35%

Group: 1

Severe

From 36-60%

Extreme Prevents Farming Operation > 60% Thin 4 through 9 Inches

Very Thin

Thick

Less Than 4 Inches

20 Inches or more

10 through 19 Inches

Contestant: 1

SUB SOIL (Fill in ONE bubble for each item or if no SUBSOIL is present mark NONE for EACH item.

5. COLOR (5)

None (no Subsoil)

Very Dark

black very dark aray very dark brown, very dark arayish brown, dusky red, very dusky red, reddish black, dark reddish aray, dark reddish brown

Medium or Bright

brown, dark grayish brown, yellowish brown, brownish yellow, yellow, dark red, reddish brown, red, weak red, light red, reddish gray, yellowish red, gray, reddish yellow, grayish brown, olive brown, light olive brown, strong brown, dark yellowish brown, and olive yellow

Very Light

white, light gray, light brownish gray, very pale brown, pale brown, light brown, light yellowish brown, pinkish gray, pink, pinkish white, light reddish brown, pale red, light pink, light reddish gray, and the white page

Drab or Mottled

light olive, pale olive, olive, olive gray, light olive gray, olive yellow, pale yellow, yellow, the 10Y-5GY page, and Glev 1 and Glev 2 pages

Material (5)

6. TEXTURE (5)

None (no Subsoil)

Coarse

coarse, medium, and fine sand, loamy sands

Medium

coarse sandy loam, sandy loam, fine sandy loam, very fine sandy loam, loam, silt loam silt

Fine

sandy clay loam, clay loam, silty clay loam

Very Fine

sandy clay, silty clay, and clay

7. THICKNESS (3)

None (no Subsoil)

Very Thick

20 Inches or more

Thick

10 through 19 Inches

(D) Thin

4 through 9 Inches

Very Thin

Less Than 4 Inches

INTERPRETATION OF SOIL FEATIURES (Fill in ONE bubble for each item).

8. Type of Material that Limits Depth (5)

None

No Limiting Material

Bedrock

Hardpan

table

Soft or Hard

Cemented

Extremely Gravelly

Material or high water

Loose or Mixed Mate

9. Parent or Underlying

Hard Bedrock

Soft Bedrock

Organic Materials Peat or Muck

10. Depth of Soil Favorable for **Roots Water Penetration (5)**

Very Deep

60 inches or more

Deep

40 through 59 inches

Moderately Deep 20 through 39 inches

Shallow Less than 20 inches

11. Air and Water Movement (5)

Very Rapid Sands (course)

Rapid Loam sands, coarse sandy loam, sandy loam

Moderate Fine sandy loam, loam, silt loam, silt, sandy clay loam, clay loam, silty clay loam

Slow Sandy clay, clay, silty clay 12. Available Water Holding Capacity to 60 Inches (5)

Hiah > 7.5 inches

Medium

5 to 7.5'

Low 3.5 to less than 5"

Very Low Less Than 3.5 inches

ACCELERATED EROSION (Fill in ONE bubble for each item).						TOPOGRAPHY or LAY OF LAND (Fill in ONE bubble for each item).										
	nount of Erosion or Evidence of Deposition	on	14. Kind o	of Erosion (3)		15. Landsca	pe Posi	ion (3)			16. Stee	oness of Slope (5)				
(3) A None to Slight			None		A	Upland Soil Developed From Underlying Bedrock					Nearly L	Level nan or equal to 2%				
	Less than or equal to 10%		e of Sheet or	В	Terrace, Foot	Slope,	Dune L	and, Old	В	Gently Sloping Less than or equal to 5%						
В	Moderate Less than or equal to 25%	Rill Erosion		(c)	Soil From Tran	Materio	als	©	Moderate Sloping Less than or equal to 15%							
©	-			ank Erosion		Recent Alluvial Fans, Floo		Flood Plo	ains	D		ngly Sloping ss than or equal to 25%				
D	Greater than 25% Evidence of Damaging Deposition	g Deposition D Evidence of Wind Erosion Evidence of Wind Flat, Ponded or Lake Bed Deposits, P					posits, Playas	E	Steep	r then 25%						
17. L	AND CAPABILITY CLASSIFICATION (F	ill in	ONE bub	oble ONLY).	(8)				18. LAND USE	(5)	(Bubble o	all that apply.)				
	Land Suitable for Cultivated Crops			Land Suit	able for Perm	nanent Vegetat	ion									
A	CLASS I No Special Problems - Very Good	d (E)	CLASS V		Nearly Level Grazing Land, Few Grazing Limitations			A Irrigated	•							
CLASS III Some Limitations or Problems-Good La CLASS III Many Limitations or Complex Problems			and (F	CLASS VI	Grazing Restriction	or Woodland- S		(B) Building S (C) Non-Irrigo		ted Crops						
			s G	CLASS VII		Range or Woodland - Severe Limitations			D Range (E) Woodland	d						
D	CLASS IV Very Limited in Crop Use or Very Complex Problems	H	CLASS VIII		Recreation, or '	ed	_	ation, Watershed								
19. M	AJOR PROBLEMS IN USE (5)		LAND M	ANAGEMEN	NT NEEDS	(Bubble all t	nat app	y.)				-				
(Bubble all that apply.)		20. Agri	cultural Man	agement Pro	ement Practices (3) 21. Ero			Control Practices (3)	22. Irrigation Method (3)						
	A None		(A) N	lone			A	None			A	None				
	(B) Erosion (C) Slope		_	rrigation Man	agement or	Drainage		None			В	Flood				
	© Shallow Soil Problems		_	rosion Contro		В		Vege Mulch	tative Cover and		©	Furrow				
	E Fineness or Compaction		_	Fertility Improvement Pratices				our Farming and/or	,	D	Sprinkler					
	F Dense or Hard Pan		_	Chiseling or R			•		ces and Waterways		E	Drip				
	G Courseness or Dryness H Wetness or Flooding		_	Grazing Mand Voodland Mo	_		D		or Streambank ization		O	·				
URBA	N LAND LIMITATION (5) Fill in one bu	ubble d	on each line	e for Slight, Mod	erate, or Seve	re										
23. Limitation for Septic Tank Filter Fields				SLIGHT	MODERAT B	DDERATE SEVERE			Soil and			on Pit #2 (Side 2)				
24. L	imitations for Shrink-Swell			A	В	©						Contestant: 1				
25. L	imations for Foundations without Basem	ent		A	В	©		lman	ortanti Eillin hubb	alos a	arofully.	and completely				
26. L	imations for Local Roads and Streets			A B © Important: Fill in bubbles care					ureruny	апа сотпрівтету						
27. L	imitations for Top Soil		A	В	©											

Pit #3

Group: 1 Contestant: 1

Important: Fill in bubbles carefully and completely

SURFACE SOIL (Fill in ONE bubble for each item).

1. COLOR (5)

Very Dark

black, very dark gray, very dark brown, very dark grayish brown, dusky red, very dusky red, reddish black, dark reddish gray, dark reddish brown, dark gray, dark brown, dark olive brown, and dark olive gray

Medium or Bright

brown, dark grayish brown, yellowish brown, brownish yellow, yellow, dark red, reddish brown, red, weak red, light red, reddish gray, yellowish red, gray, reddish yellow, grayish brown, olive brown, light olive brown, strong brown, dark yellowish brown, and olive yellow

Very Light

white, light gray, light brownish gray, very pale brown, pale brown, light brown, light yellowish brown, pinkish gray, pink, pinkish white, light reddish brown, pale red, light pink, light reddish gray, and the white page

Drab or Mottled

liaht olive, pale olive, olive, olive gray, light olive gray, olive vellow, pale vellow, vellow, the 10Y-5GY page, and Glev 1 and Glev 2 pages

2. TEXTURE (5)

Coarse

coarse, medium, and fine sand, loamy sands

Medium

coarse sandy loam, sandy loam, fine sandy loam, very fine sandy loam, loam, silt loam, silt

Fine

sandy clay loam, clay loam, silty clay loam

Very Fine

sandy clay, silty clay, and clay

3. GRAVEL AND ROCK (3)

None to Few

<15% by Volume

Moderate

Affects Farmina Operation 15-35%

Severe

From 36-60%

Extreme Prevents Farming Operation > 60% 4. THICKNESS (3)

Very Thick 20 Inches or more

(B) Thick

10 through 19 Inches

(c) Thin 4 through 9 Inches

Very Thin

Less Than 4 Inches

SUB SOIL (Fill in ONE bubble for each item or if no SUBSOIL is present mark NONE for EACH item.

5. COLOR (5)

None (no Subsoil)

Very Dark

black very dark aray very dark brown, very dark arayish brown, dusky red, very dusky red, reddish black, dark reddish aray, dark reddish brown

Medium or Bright

brown, dark grayish brown, yellowish brown, brownish yellow, yellow, dark red, reddish brown, red, weak red, light red, reddish gray, yellowish red, gray, reddish yellow, grayish brown, olive brown, light olive brown, strong brown, dark yellowish brown, and olive yellow

Very Light

white, light gray, light brownish gray, very pale brown, pale brown, light brown, light yellowish brown, pinkish gray, pink, pinkish white, light reddish brown, pale red, light pink, light reddish gray, and the white page

Drab or Mottled

light olive, pale olive, olive, olive gray, light olive gray, olive yellow, pale yellow, yellow, the 10Y-5GY page, and Glev 1 and Glev 2 pages

6. TEXTURE (5)

None (no Subsoil)

Coarse

coarse, medium, and fine sand, loamy sands

Medium

coarse sandy loam, sandy loam, fine sandy loam, very fine sandy loam, loam, silt loam silt

Fine

sandy clay loam, clay loam, silty clay loam

Very Fine sandy clay, silty clay, and clay 7. THICKNESS (3)

None (no Subsoil)

Very Thick

20 Inches or more

Thick 10 through 19 Inches

(D) Thin

4 through 9 Inches

Very Thin

Less Than 4 Inches

INTERPRETATION OF SOIL FEATIURES (Fill in ONE bubble for each item).

8. Type of Material that Limits Depth (5)

None

No Limiting Material

Bedrock

Soft or Hard

Hardpan Cemented

Extremely Gravelly Material or high water table

9. Parent or Underlying Material (5)

Hard Bedrock

Soft Bedrock

Loose or Mixed Mate

Organic Materials Peat or Muck

10. Depth of Soil Favorable for **Roots Water Penetration (5)**

Very Deep 60 inches or more

Deep 40 through 59 inches

Moderately Deep

20 through 39 inches

Shallow Less than 20 inches

11. Air and Water Movement (5)

Very Rapid Sands (course)

Rapid Loam sands, coarse sandy loam, sandy loam

Moderate Fine sandy loam, loam, silt loam, silt, sandy clay loam, clay loam, silty clay loam

Slow Sandy clay, clay, silty clay 12. Available Water Holding Capacity to 60 Inches (5)

Hiah > 7.5 inches

Medium 5 to 7.5'

Low 3.5 to less than 5"

Very Low Less Than 3.5 inches

ACCE	LERATED EROSION (Fill in ONE bubbl	TOPO	TOPOGRAPHY or LAY OF LAND (Fill in ONE bubble for each item).										
	nount of Erosion or Evidence of Deposition	on	14. Kind c	of Erosion (3)		15. Landsca	pe Posi	tion (3)			16. Stee	oness of Slope (5)	
(3) A None to Slight					A	Upland Soil Develope	Underlyi	ing Bedrock	A	Nearly Less th	Level nan or equal to 2%		
	Less than or equal to 10%		e of Sheet or	В	Terrace, Foo Alluvial Fans	Dune L	and, Old	В	·				
В	Moderate Less than or equal to 25%	Rill Erosion Active G			Soil From Transported Materic Bottomland			als	©	Modera	te Sloping an or equal to 15%		
©	© High or Severe			ank Erosion	©	Recent Alluvi	a uvial Fans, Flood Plains			D	Strongly Sloping Less than or equal to 25%		
D	Evidence of Damaging Deposition	nce of Damaging Deposition © Ev				(D) Basin Flat, Ponded or Lake Bed D			oosits, Playas	E	· '		
17. L	AND CAPABILITY CLASSIFICATION (F	ill in	ONE bub	oble ONLY).	(8)				18. LAND USE	(5)	(Bubble o	all that apply.)	
	Land Suitable for Cultivated Crops	-		Land Suit	able for Perm	nanent Vegeta	ion						
A	CLASS I No Special Problems - Very Goo	d E	CLASS V		Nearly Level Grazing Land, Few Grazing Limitations			A Irrigated	•				
CLASS III Some Limitations or Problems-Good Lo CLASS III Many Limitations or Complex Problems			and (F)	CLASS VI	Grazing Restrictio	or Woodland-S		(B) Building S (C) Non-Irrigo		ted Crops			
			S G	CLASS VII		Range or Woodland - Severe Limitations			D Range (E) Woodlan	al			
D	CLASS IV Very Limited in Crop Use or Very Complex Problems	H	CLASS VIII		Wildlife, Recreation, or Watershed			$\tilde{\circ}$		eation, Watershed			
19. M	AJOR PROBLEMS IN USE (5)		LAND M	ANAGEMEN	IT NEEDS	(Bubble all t	hat app	ly.)					
(Bubl	ole all that apply.)		20. Agri	cultural Man	agement Pro	ement Practices (3) 21. Ero			Control Practices (3)	22. Irrigation Method (3)		
	(A) None		(A) N	lone			A	None			A	None	
	B Erosion C Slope		_	rrigation Man	agement or	Drainage	(None	•		В	Flood	
	D Shallow Soil Problems		_	rosion Contro		ement Pratices			etative Cover and hes		©	Furrow	
	Fineness or CompactionDense or Hard Pan		_	Chiseling or R					our Farming and/or		D	Sprinkler	
	(F) Dense or Hard Pan(G) Courseness or Dryness			Grazing Mana					ces and Waterways	S	E	Drip	
	(H) Wetness or Flooding		_	Voodland Mo	ınagement		(D)		or Streambank lization				
URBA	N LAND LIMITATION (5) Fill in one but	ubble o	on each line										
23 1	imitation for Septic Tank Filter Fields			SLIGHT (A)	MODERAT B	ODERATE SEVERE			Soil and Land Evaluation Pit #3 (S				
	imitations for Shrink-Swell			A	B	© ©			Contesta				
	imations for Foundations without Basem	ent		A	B	©							
	imations for Local Roads and Streets			A	В	©		Impo	ortant: Fill in bubl	oles c	carefully	and completely	
	imitations for Top Soil		A	В	©								



SURFACE SOIL (Fill in ONE bubble for each item).

1. COLOR (5)

(A) Very Dark

black, very dark gray, very dark brown, very dark grayish brown, dusky red, very dusky red, reddish black, dark reddish gray, dark reddish brown, dark gray, dark brown, dark olive brown, and dark olive gray

B Medium or Bright

brown, dark grayish brown, yellowish brown, brownish yellow, yellow, dark red, reddish brown, red, weak red, light red, reddish gray, yellowish red, gray, reddish yellow, grayish brown, olive brown, light olive brown, strong brown, dark yellowish brown, and olive yellow

© Very Light

white, light gray, light brownish gray, very pale brown, pale brown, light brown, light yellowish brown, pinkish gray, pink, pinkish white, light reddish brown, pale red, light pink, light reddish gray, and the white page

Drab or Mottled

light olive, pale olive, olive, olive gray, light olive gray, olive yellow, pale yellow, yellow, the 10Y-5GY page, and Gley 1 and Gley 2 pages

2. TEXTURE (5)

(A) Coarse

coarse, medium, and fine sand, loamy sands

(B) Medium

coarse sandy loam, sandy loam, fine sandy loam, very fine sandy loam, loam, silt loam, silt

© Fine

sandy clay loam, clay loam, silty clay loam

O Very Fine

sandy clay, silty clay, and clay

3. GRAVEL AND ROCK (3)

A None to Few

<15% by Volume

B Moderate

Affects Farming Operation 15-35%

Group: 1

© Severe

From 36-60%

D Extreme

Prevents Farming Operation > 60%

4. THICKNESS (3)

A Very Thick

20 Inches or more

Contestant: 1

B Thick

Important: Fill in bubbles carefully and completely

10 through 19 Inches

© Thin

4 through 9 Inches

Very Thin

Less Than 4 Inches

SUB SOIL (Fill in ONE bubble for each item or if no SUBSOIL is present mark NONE for EACH item.

5. COLOR (5)

A) None (no Subsoil)

B Very Dark

black, very dark gray, very dark brown, very dark grayish brown, dusky red, very dusky red, reddish black, dark reddish gray, dark reddish brown dark gray, dark brown, dark olive brown, and dark olive gray

© Medium or Bright

brown, dark grayish brown, yellowish brown, brownish yellow, yellow, dark red, reddish brown, red, weak red, light red, reddish gray, yellowish red, gray, reddish yellow, grayish brown, olive brown, light olive brown, strong brown, dark yellowish brown, and olive yellow

Very Light

white, light gray, light brownish gray, very pale brown, pale brown, light brown, light yellowish brown, pinkish gray, pink, pinkish white, light reddish brown, pale red, light pink, light reddish gray, and the white page

(E) Drab or Mottled

light olive, pale olive, olive, olive gray, light olive gray, olive yellow, pale yellow, yellow, the 10Y-5GY page, and Gley 2 pages

Material (5)

6. TEXTURE (5)

None (no Subsoil)

B Coarse

coarse, medium, and fine sand, loamy sands

© Medium

coarse sandy loam, sandy loam, fine sandy loam, very fine sandy loam, loam, silt loam, silt

D Fine

sandy clay loam, clay loam, silty clay loam

(E) Very Fine

sandy clay, silty clay, and clay

7. THICKNESS (3)

A) None (no Subsoil)

B Very Thick

20 Inches or more

© Thick

10 through 19 Inches

(D) Thin

4 through 9 Inches

E Very Thin

Less Than 4 Inches

INTERPRETATION OF SOIL FEATIURES (Fill in ONE bubble for each item).

8. Type of Material that Limits Depth (5)

(A) None

No Limiting Material

B Bedrock

Hardpan

table

Soft or Hard

Cemented

Extremely Gravelly

Material or high water

O Lease or Mixed Mar

Soft Bedrock

9. Parent or Underlying

Hard Bedrock

© Loose or Mixed Mate

D Organic Materials
Peat or Muck

 Depth of Soil Favorable for Roots Water Penetration (5)

A Very Deep

60 inches or more

в Деер

40 through 59 inches

Moderately Deep
20 through 39 inches

D **Shallow**Less than 20 inches

11. Air and Water Movement (5)

A Very Rapid
Sands (course)

B Rapid
Loam sands, coarse sandy
loam, sandy loam

© Moderate

Fine sandy loam, loam, silt loam, silt, sandy clay loam, clay loam, silty clay loam

(D) **Slow**Sandy clay, clay, silty clay

12. Available Water Holding Capacity to 60 Inches (5)

A) **High** > 7.5 inches

> 7.5 ITICHE

B **Medium** 5 to 7.5"

c) Low

3.5 to less than 5"

D Very Low
Less Than 3.5 inches

ACCELERATED EROSION (Fill in ONE bubble for each item).						TOPOGRAPHY or LAY OF LAND (Fill in ONE bubble for each item).									
	nount of Erosion or Evidence of Deposition	n	14. Kind	d of Erosion (3)		15. Landsca	pe Posi	tion (3)			16. Stee	pness of Slope (5)			
(3) (A)	None to Slight	None		A	Upland Soil Develope	Underlyi	ing Bedrock	A	Nearly Level Less than or equal to 2%						
	Less than or equal to 10%	Eviden Rill Ero	nce of Sheet or	B	Terrace, Foo Alluvial Fans	ł Slope,	Dune L	and, Old	В	Gently Sloping Less than or equal to 5%					
have the our are a social to 0507				Gully or		Soil From Transported Materials (c) Bottomland						te Sloping an or equal to 15%			
©				nbank Erosion	Recent Alluvial Fans, Flood Plains					D	D Strongly Sloping Less than or equal to 25%				
D				nce of Wind n	D	Basin Flat, Ponded	or Lake	Bed Dep	oosits, Playas	E	'				
17. L	AND CAPABILITY CLASSIFICATION (F	ill in	ONE b	ubble ONLY).	(8)				18. LAND USE	(5)	(Bubble o	all that apply.)			
	Land Suitable for Cultivated Crops			Land Suit	table for Pern	nanent Vegeta	tion								
A	(A) CLASS I No Special Problems - Very Good Land (B) CLASS II Some Limitations or Problems-Good Land			E CLASS V	Nearly Level Grazing Land, Few Grazing Limitations Grazing or Woodland- Some Restrictions				A Irrigated	·					
В				F CLASS VI					B Building S O Non-Irrige		nted Crops				
© CLASS III Many Limitations or Complex Problem D CLASS IV Very Limited in Crop Use or Very Complex Problems				G CLASS VII		Range or Woodland - Severe Limitations			D Range E Woodlan	d					
				H CLASS VIII		Recreation, or	ed	_		eation, Watershed					
19. M	AJOR PROBLEMS IN USE (5)		LAND	MANAGEMEN	NT NEEDS	(Bubble all t	hat app	ly.)							
(Bubble all that apply.)			20. Aç	gricultural Mand	agement Pr	ement Practices (3) 21. Eros			Control Practices (3	3)	22. Irrigation Method (3)				
	A None		A	None	(A) Not Management or Drainage			None			A	None			
	(B) Erosion (C) Slope		В	Irrigation Man				110110				Flood			
	D Shallow Soil Problems		©	Erosion Contro			В	Vege Mulci	etative Cover and		©	Furrow			
	E Fineness or Compaction		(D)	Fertility Improvement Pratices			(c)		our Farming and/o	r	D	Sprinkler			
	F Dense or Hard Pan		E F	Chiseling or Ri Grazing Mana					ces and Waterway		E	Drip			
	G Courseness or Dryness H Wetness or Flooding		G	Woodland Mo	_	(D) Gully or Streambank									
URBA	N LAND LIMITATION (5) Fill in one bu	bble o	on each l	ine for Slight, Mod	erate, or Seve	re									
	imitation for Septic Tank Filter Fields			SLIGHT (A)	MODERAT B				Soil and	l Lanc	d Evaluati	on Pit #4 (Side 2)			
	imitations for Shrink-Swell			A	B	©						Contestant: 1			
	imations for Foundations without Baseme	ent		A	В	©									
	26. Limations for Local Roads and Streets			A	B (c) Important: Fill in bubbles carefully and					and completely					
27. Limitations for Top Soil				A	B	©									