

SCORESHEET

1st INTERNATIONAL SOIL JUDGING CONTEST

JEJU, KOREA

JUNE 5-7, 2014

PART I	
PART II	
PART III	
PART IV	
PART V	
TOTAL	

SITE NUMBER _____

COMPETITOR ID _____

PART I. SOIL MORPHOLOGY

Describe _____ mineral horizons within a depth of _____ m.

Horizonation			Boundary		Texture		Color			Structure		Consistence	Redoximorphic features		
Master		Sub (2)	No. (2)	Lower depth (cm) (2)	Distinctness (2)	Clay % (2)	Class (2)	Hue (2)	Val. (2)	Chr. (2)	Grade (2)	Type (2)	Moist strength (2)	Presence or absence (2)	Concentrations or depletions (2)
Prefix (2)	Letter (2)														

PART I. SCORE _____

PART II. SOIL PROFILE CHARACTERISTICS

Hydraulic conductivity (10)			Effective soil depth (5)		Available water holding capacity (5)		Soil wetness class (5)		
Surface (5)		Limiting layer (5)							
				Very deep (>150 cm)		Very low (<7.5 cm)		Class 1: >150 cm	
High		High		Deep (100 to 150 cm)		Low (7.5 to <15 cm)		Class 2: 101 to 150 cm	
Moderate		Moderate		Moderately deep (50 to 99 cm)		Moderate (15 to <22.5 cm)		Class 3: 51 to 100 cm	
Low		Low		Shallow (20 to 49 cm)		High (>22.5 cm)		Class 4: 26 to 50 cm	
				Very shallow (<20 cm)				Class 5: 25 cm or less	

PART II. SCORE _____

PART III. SITE CHARACTERISTICS

Landform (5)		Parent material (5 each)		Slope (5)		Erosion (5)	
	Summit		Alluvium		0 to <2%		None apparent
	Shoulder		Ash/tephra		2 to <7%		Inter-rill (Sheet)
	Backslope		Colluvium		7 to <15%		Rill
	Toeslope		Human transported materials		15 to <30%		Gully
	Plain		Residuum		>30%		Tunnel

PART III. SCORE _____

PART IV. SOIL CLASSIFICATION

Epipedon (5)		Subsurface horizon/feature (5 each)		Order (10)		Suborder (5)		Diagnostic horizon (5)		Reference Soil Group (10)		Prefix qualifier (5 each)		Suffix qualifier (5)	
	Melanic		Argillic		Alfisol		Aquic		Argic		Alisol		Andic		Chromic
	Mollic		Cambic		Andisol		Psamm-		Cambic		Andosol		Silandic		Clayic
	Ochric		Lithic contact		Entisol		Udic		Melanic		Cambisol		Vitric		Dystric
	Umbric		Paralithic contact		Inceptisol		Vitric		Mollic		Luvisol		Fulvic		Siltic
	None		Andic properties		Ultisol				Umbric		Umbrisol		Haplic		Skeletal

PART IV. SCORE _____

PART V. INTERPRETATIONS

Tangerine production (5)		Carrot production (5)		Golf course suitability (5)		Septic tank suitability (5)	
	Class 1 - Optimal		Class 1 - Optimal		Slight limitations		Slight limitations
	Class 2 - Suitable		Class 2 - Suitable		Moderate limitations		Moderate limitations
	Class 3 - Unsuitable		Class 3 - Possible		Severe limitations		Severe limitations
			Class 4- Unsuitable				

PART V. SCORE _____