

SCORESHEET

1st INTERNATIONAL SOIL JUDGING CONTEST

JEJU, KOREA

JUNE 5-7, 2014

SITE NUMBER _____

COMPETITOR ID _____

<i>PART I</i>	
<i>PART II</i>	
<i>PART III</i>	
<i>PART IV</i>	
<i>PART V</i>	
TOTAL	

PART I. SOIL MORPHOLOGY

Describe _____ mineral horizons within a depth of _____ m.

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)	
High	High	High		Deep (100 to 150 cm)		Low (7.5 to <15 cm)	
Moderate	Moderate	Moderate		Moderately deep (50 to 99 cm)		Moderate (15 to <22.5 cm)	
Low	Low	Low		Shallow (20 to 49 cm)		High (>22.5 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%		Tunner	

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 	Analosol 	Psammic 	Cambic 	Andosol 	Silandic 	Clayic
Ochric 	Lithic contact 	Eutisol 	Udic 	Melanic 	Cambisol 	Vitric 	Dystric
Umic 	Paralithic contact 	Inceptisol 	Veric 	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 _____