Soil Analysis Request Form

Lab No. _____

Soil Chemistry and Fertility Laboratory

Department of Soil Science, Faculty of Agriculture at Kamphaeng Saen,

Kasetsart University

Tel./Fax 0-3435-1893 , www.agri.kps.ku.ac.th/soil E-mail: soilscience_kukps@hotmail.com

Date.....

Report from (customer name; full name/Organization/Company).....

Address .....

.....

Status O farmer O officer O student O researcher O other.....

Soil report request O Thai O English

Report received by O customer (yourself)

O Mailing address.....

O Line ID ..... O E-mail.....

Billing address O customer name (following the report form) or

O other (please specific your full name/organization/company)

.....

.....

Sample name/sample ID..... Depth to sample.....cm

Please specific soil sampling area: latitude and longitude/ GPS coordinates/ location/address.....

Relief*	Other characteristics*	Water*
O lowland O slope.....%	O salt crust O hardpan	O rainfall O river
O upland O undulating	O skeletal soils O deep cracks when soils is dry (high in swelling)	O irrigation O ground water
O other	O other	O other .....

Land use:* O lowland crop (flooded)..... O upland crop..... O vegetable.....

O orchard..... O other.....

Yield from previous crop*.....kg/1600 m^2 **Plant growth** O normal O abnormal

Visual symptom:* O chlorosis (top leaves or lower leaves or strips along the vein) O other.....

Land use within the past 3 years*:.....

Fertilizer/Lime application*	Formula*	Rate (kg/1600 m^2)*	Application method*
O chemical fertilizer (solid or liquid) O organic fertilizer (solid or liquid)			
O lime application			

*Please specify a crop management to receive a recommendation

Signature of customer	Approval signature (for officer)	O Paid by cash.....baht
..... (.....) Tel:.....	..... (.....) Date.....	Book No./Receipt No..... Signature..... Collector/Cashier Date.....

Report received by	O Customer Signature of customer/receiver..... Date.....	O Mailing address..... No..... O EMS.....

Appointment date .....

Date of sample received.....

Lab No. _____

Test Items	Price/Unit	Unit	Total (Baht)
○ **Basic soil analysis:** pH, EC_e, OM, Avail. P, Exch. K, Ca, Mg +Recommendation	**700**		
○ **Basic soil analysis:** pH, EC_e, OM, Avail. P, Exch. K, Ca, Mg	**600**		
○ soil pH - (ratio for soil:water = 1:1)	50		
○ Lime requirement; LR (Woodruff buffer method)	100		
○ Electrical conductivity; saturation paste (EC_e)	100		
○ Electrical conductivity; soil:water = 1: 5 suspension (EC_w)	50		
○ Soil organic matter; SOM (Walkley and Black method)	200		
○ Available Phosphorus (extracted by Bray-II)	300		
○ Extracting solution by 1N NH_4OAc for exchangeable K, Ca, Mg and Na	200		
Analysis by AAS (200 baht/element) ☐ Exch. K ☐ Exch.Ca ☐ Exch.Mg ☐ Exch.Na			
○ Total nitrogen (Kjeldahl method)	600		
○ Nitrate-N; NO_3^- - N (Kjeldahl method)	400		
○ Ammonium-N; NH_4^+ - N (Kjeldahl method)	400		
○ Extracting solution for micro nutrient element	200		
Analysis by AAS (200 baht/element) ☐ Extr. Zn ☐ Extr. Mn ☐ Extr. Fe ☐ Extr. Cu			
○ Available boron; Avail. B (Azomethine – Hydrogen Method)	600		
○ Exchangeable sulfate; Exch. S (Turbidimetric method)	300		
○ Cation exchange capacity; CEC (1N NH_4OAc)	700		
○ Base saturation percentage (%BS)	1300		
○ Sodium adsorption ratio; SAR	600		
○ Carbon/Nitrogen ratio (C/N ratio)	800		
○ Soil texture ☐ Hydrometer method	300		
☐ Pipette method	500		
○ Bulk density	150		
○ Particle density	150		
○ Moisture content	200		
○ Field capacity; FC	300		
○ Permanent wilting point; PWP	300		
○ Available water capacity; AWCA	600		
○ Hydraulic conductivity; Ks	300		
○ Plastic limit (%)	200		
○ Liquid limit (%)	200		
Total (baht)			

Appointment date .....