6. ภาคผนวก

คำอธิบายหน้าตัดดิน (Soil profile description) การทำคำอธิบายหน้าตัดดินทำโดยขุดหลุมขนาดกว้าง ยาว และลึก ประมาณ 1.5 x 1.8 x 1.8 เมตร ในบริเวณแปลงทดลอง ทำการตรวจสอบลักษณะสัณฐานของดินโดยใช้คู่มือการสำรวจดินในสนาม (Soil Survey Staff, 1993) รายละเอียดเกี่ยวกับสภาพพื้นที่ได้จากการตรวจสอบจากสภาพพื้นที่ในสนามและจากแผนที่ภูมิประเทศมาตราส่วน 1:50,000 ของกรมแผนที่ทหารบก

6.1 คำอธิบายหน้าตัดดิน แปลงทดลองที่จังหวัดตรัง

Soil name : Natham series

Classification: Fine loamy, mixed, isohyperthermic Oxic Plinthudults

Described by : C. Nilnond

Date : 9 March 1998

Location : Trang Agricultural and Technology College, Ban Numfay,

Tambon Natham Nao, Amphoe Maung, Changwat Trang

Elevation : Approximately 30 m. above msl

Slope/Complex Slopes : 1-3% Slope/Nearly level-Undulation

Physiography : Low terrace

Natural vegetation : Oil palm

Climate : Tropical monsoon; Annual rainfall 2,182 mm. Mean temperature 27.5 °C

Parent material : Old alluvium

Drainage : Well drained

Erosion hazard : Slight

Runoff : Slow

Horizon	Depth (cm.)	Description
Ap	0-18	Dark brown (10 YR 4/3) sandy loam; moderate very fine subangular blocky structure; slightly hard (dry), friable, slightly sticky, slightly plastic; many very fine roots; very strong acid (field pH 5.0); clear smooth boundary.
Bt1	18-33	Brownish yellow (10 YR 6/6) sandy loam; moderate fine subangular blocky structure; hard (dry), friable, slightly sticky, slightly plastic; common very fine roots; strongly acid (field pH 5.5); clear smooth boundary.

Horizon	Depth (cm.)	Description
Bt2	33-58	Yellowish brown (10 YR 5/8) sandy clay loam; moderate fine subangular blocky structure; friable, sticky, plastic; common very fine and few medium roots; strongly acid (field pH 5.5); gradual smooth boundary.
Bt3	58-88	Brownish yellow (10YR 6/8) sandy clay loam; moderate fine subangular blocky structure; friable, sticky, plastic; common very fine and few medium roots; strongly acid (field pH 5.5); gradual smooth boundary.
Bt4	88-105	Brownish yellow (10 YR 6/8) sandy clay loam; moderate fine subangular blocky structure; friable, sticky, plastic; few fine roots; strongly acid (field pH 5.5); abrupt smooth boundary.
Bcv	105+	Yellowish brown (10YR 5/6) sandy clay loam; very friable, sticky, plastic; ironstone diameter 0.2 - 0.5 mm about 80% by volume; very strong acid (field pH 5.0).

6.2 คำอธิบายหน้าตัดดิน แปลงทดลองที่จังหวัดสุราษฎร์ธานี

Soil name : Chumphon series

Classification: Clyey skeletal, kaolinitic, isohyperthermic Typic Paleuduults.

Described by : C. Nilnond

Date : 10 March 1998

Location : Ban Dang, Tambon Klong Noi, Amphoe Chaiburi, Changwat Suratthani

Elevation : Approximately 80 m. above msl

Slope/Complex Slopes : 4% Slope/Undulation

Physiography : Terrace

Natural vegetation : Oil palm

Climate : Tropical monsoon; Annual rainfall 1,712 mm. Mean temperature 27.2 °C

Parent material : Old alluvium and transported material from clastic rocks.

Drainage : Well drained

Erosion hazard : Slight

Runoff : Slow

Horizon	Depth (cm.)	Description
Ap	0-14	Dark brown (7.5 YR 3/2) sandy loam; moderate very fine to fine subangular blocky structure; friable, slightly sticky, slightly plastic; many very fine and fine roots; strongly acid (field pH 5.5); abrupt smooth boundary.
Bt1	14-40	Brown (7.5 YR 4/4) sandy clay loam; moderate fine to medium subangular blocky structure; firm, sticky, plastic; common fine and common medium roots; very strong acid (field pH 5.0); clear smooth boundary.
Bt2	40-67	Yellowish brown (10 YR 5/8) sandy clay loam; moderate fine to medium subangular blocky structure; firm, sticky, plastic; common fine and common medium roots; very strong acid (field pH 5.0); clear smooth boundary.
Bt3	67-90	Yellowish yellow (10YR 5/4) sandy clay loam; moderate fine to medium subangular blocky structure; firm, sticky, plastic; common medium roots; very strong acid (field pH 5.0); clear smooth boundary.
Bt4	90-112	Pale brownish (10 YR 6/3) clay; many fine prominent dark red (2.5 Y 3/6) mottles; moderate fine to medium subangular blocky structure; firm, sticky, plastic; common medium roots; very strong acid (field pH 5.0); clear smooth boundary.
Bv	112+	Very pale brown (10YR 4/7) clay; many fine prominent dark red (2.5 Y 3/6) mottles; structureless; firm, sticky, plastic; common medium roots; about 50% iron-rich reddish material; very strong acid (field pH 5.0).

6.3 คำอธิบายหน้าตัดดิน แปลงทดลองที่จังหวัดกระบี่

Soil name : Tha Sae series

Classification: Fine loamy, mixed, isohyperthermic Typic Paleudults

Described by : C. Nilnond

Date : 11 March 1998

Location : Ban Wang Klong, Tambon Krabi Noi, Amphoe Maung, Changwat Krabi

Elevation : Approximately 20 m. above msl

Slope/Complex Slopes : 1-2% Slope/Nearly level-Undulation

Physiography : Valley

Natural vegetation : Oil palm

Climate : Tropical monsoon; Annual rainfall 2,150 mm. Mean temperature 28.3 °C

Parent material : Old alluvium

Drainage : Well drained

Erosion hazard : Slight

Runoff : Slow

Horizon	Depth (cm.)	Description
Ap	0-20	Dark brown (10 YR 3/3) sandy loam; moderate fine to medium subangular blocky structure; very hard (dry), firm, sticky, plastic; many very fine and few common roots; strong acid (field pH 5.5); abrupt smooth boundary.
Bt1	20-40	Dark yellowish brown (10 YR 4/4) sandy clay loam; moderate fine to medium subangular blocky structure; very hard (dry), firm, sticky, plastic; many fine and common medium roots; extremely acid (field pH 4.0); clear smooth boundary.
Bt2	40-63	Yellowish brown (10 YR 5/6) sandy clay loam; moderate fine to medium subangular blocky structure; firm, sticky, plastic; common fine and common medium roots; extremely acid (field pH 4.5); clear smooth boundary.

Horizon	Depth (cm.)	Description
Bt3	63-94	Yellowish brown (10YR 5/8) clay loam; many fine prominet reddish brown (5 YR 4/4) mottles; moderate fine to medium subangular blocky structure; firm, slicky, plastic; common fine and few medium roots; extremely acid (field pH 4.5); clear smooth boundary.
Bt4	94-125	Brownish yellow (10 YR 6/6) clay loam; many fine prominent dark red (2.5 YR 3-6) mottles; moderate fine to medium subangular blocky structure; friable, sticky, plastic; few medium roots; extremely acid (field pH 4.5); clear smooth boundary.
Bt5	125-148	Yellowish brown (10YR 5/4) clay loam; many fine prominent dark red (2.5 YR 3/6) mottles; moderate fine to medium subangular blocky structure; friable, sticky, plastic; few medium roots; extremely acid (field pH 5.0); clear smooth boundary.
Bt6	148-180	Light brownish gray (10 YR 6/2) clay loam; many fine prominent dark red (2.5 YR 3/6) mottles; structureless; friable, sticky, plastic; few medium roots; extremely acid (field pH 4.5).