SESSION TWO



A. LIMITATION OF PEAT

Caused by peat chemical properties

- 1. Poor nutrient uptake
- 2. More fertilizer needed
- 3. Fixation of micro nutrients

1. POOR NUTRIENT UPTAKE



2. HIGH DOSAGE OF FERTILIZER



3. FIXATION OF MICRO NUTRIENT



1. POOR ROOT ACHORAGE

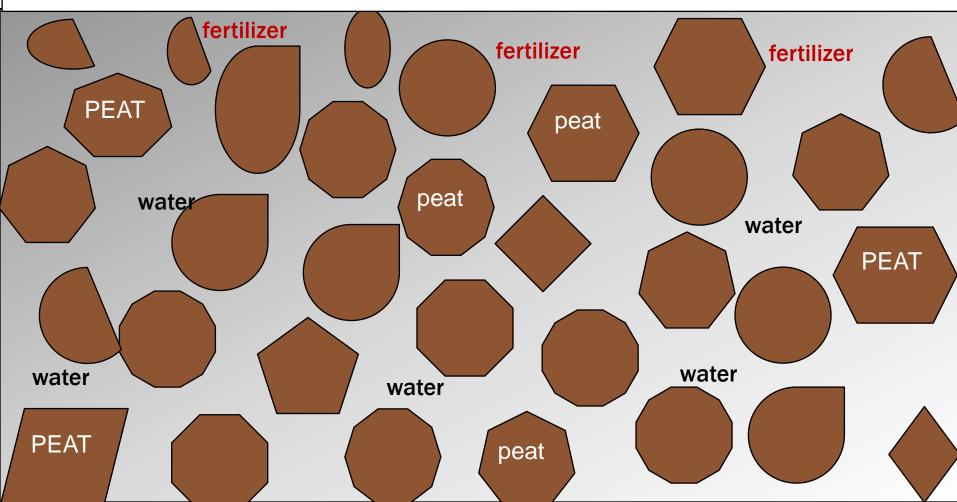


2. POOR ACCESSIBILITY



3. HIGH LEACHING

original ground level



4. WATERLOGGED



LIMITATION OF PEAT AFTER DRAINAGE



1. IRREVERSIBLE DRYNESS



2. FIRE PRONE



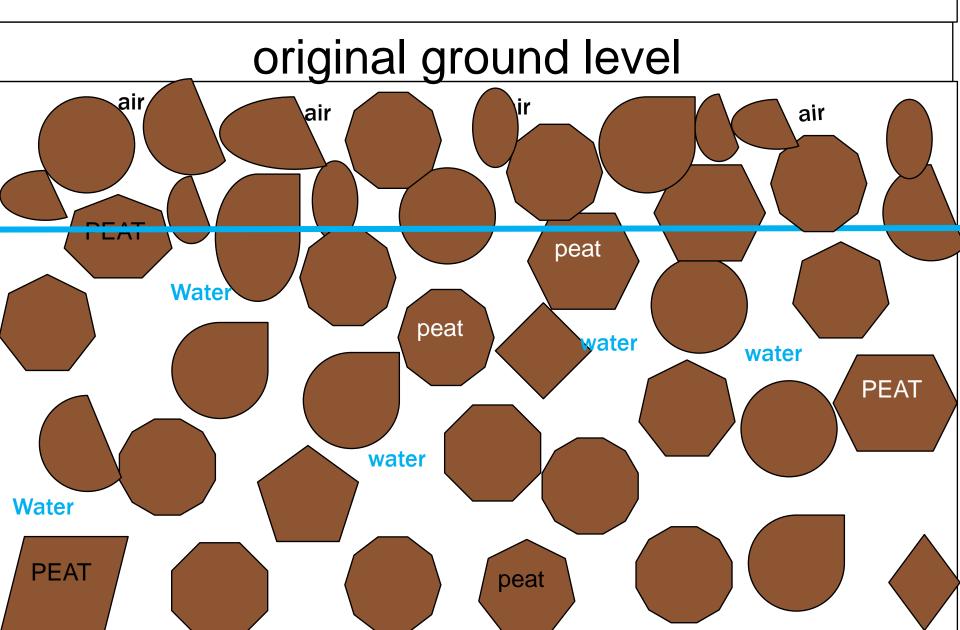
3. SUBSIDENCE OF PEAT



3.PROCESS OF PEAT SUBSIDENCE



3a. Process of subsidence



3b. Process of subsidence

Original ground level

ground level after subsidence air air air air air air air

3c. Process of subsidence

ORIGINAL GROUND LEVEL





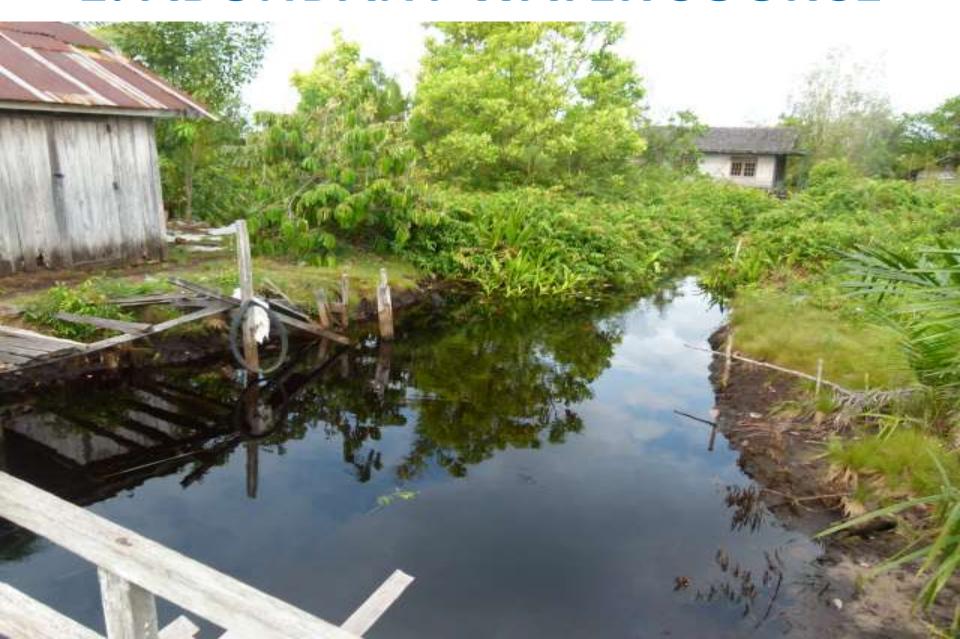


Advantages of peat



Advantages of peatland Peatland 1. Abundant water source 2. Possible water transport system 3. Cheap transportation cost

1. ABUNDANT WATER SOURCE



2. POSSIBLE WATER TRANSPORT SYSTEM



3. Cheap transport cost





1. LOW pH



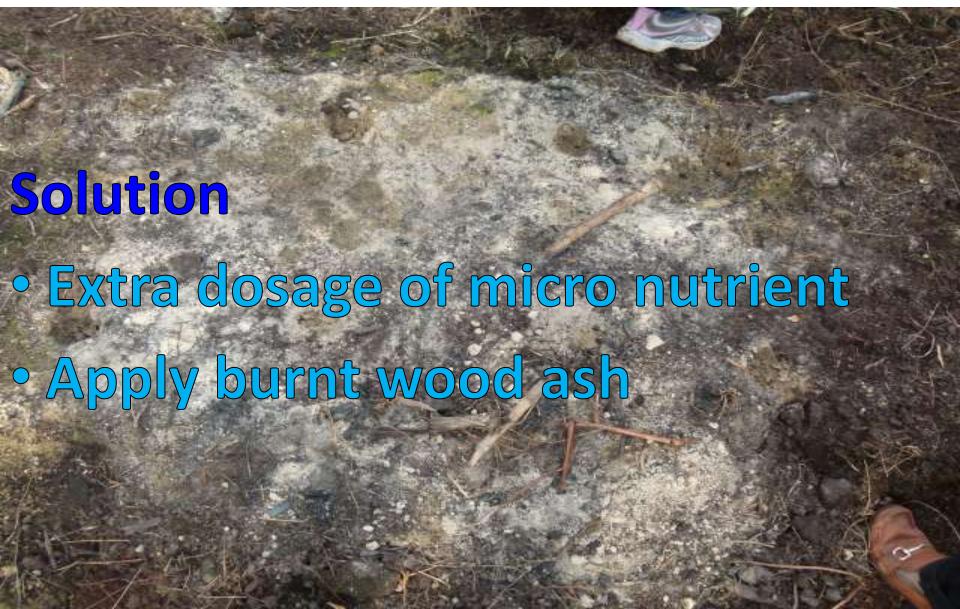
2. LOW NUTRIENTS



3. HIGH CARBON NITROGEN RATIO



4. HIGH CATION EXCHANGE CAPACITY



5. LOW BULK DENSITY

Solution



6. LOW BEARING



7. HIGH POROSITY



9. HIGH WATER TABLE



