



# T&T Borneo Laboratory Sdn. Bhd.

## Tests available

- pH
- Moisture
- Conductivity
- Organic matter
- Organic carbon
- Nitrogen (N)
- Phosphorus ( $P_2O_5$ )
- Boron ( $B_2O_3$ )
- Potassium ( $K_2O$ )
- Magnesium ( $MgO$ )
- Calcium ( $CaO$ )
- Copper
- Zinc
- Iron
- Manganese
- Lead
- Cadmium
- Chromium
- C:N Ratio
- Total plate count
- Coliform and *E. coli*

## Soil & Fertilizer

In order to grow and thrive, plants require abundant amount of NPK (nitrogen, phosphorus, potassium) in the soil. Fertilizers help to replace the nutrients that have been used up by the crop in the soil. Hence, fertilizers are crucial to improve crop yield and agricultural productivity by maintaining and improving soil fertility.

Organic fertilizers have seen a rise in usage due to popularity of organic food production. Some of the common ingredients in organic fertilizers include animals waste like manure, guano, bloodmeal and meat processing waste. If these fertilizers are not properly sanitized, there will be a risk of contaminating agricultural crops with foodborne pathogens.

Apart from polluted fertilizers, the soil may be tainted with chemicals, pesticides and heavy metals coming from atmospheric deposition, agriculture, farms, mining, manufacturing, waste disposal, construction works and industrial dumping. The presence of heavy metals in soil will lead to the uptake and accumulation of toxic metals in vegetables and fruits that are grown for public consumption. It is important to test for these heavy metals in the soil before usage and also after soil remediation to monitor for the effectiveness of soil treatment.

## Contact Us

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## Business Hours:

Mon-Fri (8:30am-5:30pm)

Sat, Sun & Public Holidays (Off)