

SECTIONAL ORG CHART



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CHEMICAL ANALYSIS



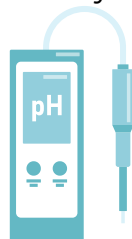
Ultraviolet- Visible Spectrometer

Uses colorimetric method to detect the concentration of analyte



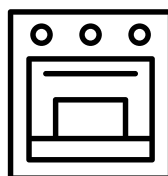
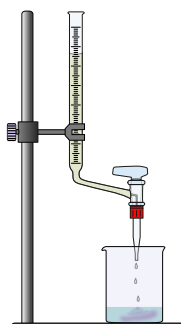
Atomic Absorption Spectrometer

to determine the metal concentration quantitatively



pH and EC Meters

To measure the pH and EC of water and fertilizer extract



Titration and Gravimetry

Services Offered

- Phosphate-P
- Nitrate-Nitrogen
- Sulfate



- Total Bases (K, Ca, Mg, Na)
- Trace Elements (Cu, Fe, Mn, Zn)



- pH
- Electrical Conductivity



Other Services

- Titration (HCO_3 , CO_3 , Cl, TN, NH_3 , CaCO_3 and OM)
- Gravimetry (S and Moisture)

PAB ACCREDITED PARAMETERS

- Water
 - pH, EC, Na, K, P, and NO₃-N
- Fertilizer
 - N, P, and K

WAYS FORWARD

- Regular distribution of the Water Test Kit
- Analysis of Heavy Metals using Inductively Coupled Plasma (ICP-OES)
- Additional PAB accredited parameters

ABOUT US

The Water Chemistry Section conducts analysis to determine the suitability of water for irrigation purposes, wastewater use and reuse for agricultural purposes thereby ensuring good quality of water, which is vital in crop production. It also provides technical assistance in the conduct of fertilizer and plant tissue testing to address soil fertility and nutrient management concerns.



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*"Lupa't Tubig ay Pag-ingatan at Pangalagaan
Tungo sa Maunlad na Agrikultura at Kabuhayan"*



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WATER CHEMISTRY SECTION