

SOIL ORGANIC CARBON DETECTION KIT

Soil generally contains 45% inorganic components, 5% organic components, 25% air and 25% water on average basis. Organic carbon plays major role in biological activity and fertility of the soil. Soils with sufficient organic carbon in it, definitely contains other major elements like Nitrogen, Phosphorous and Potassium in more available form.

Soil Organic Carbon Detection Kit (SOCDK) developed at BARC, ideally a quick, accurate and field test will be able to guide the farmer for this purpose.

ADVANTAGES OF THE KIT

- User friendly as any farmer himself can check the percentage of organic carbon in his field.
- It gives quick and reliable results.
- Evaluates the impact of organic carbon amendments supplemented periodically.
- It gives idea of amount of organic manure additions.
- It is economical & time saving.

APPLICATIONS

- Direct use by the farmer for organic carbon detection of soil before sowing of the crop and at the harvest of the crop.
- To take the corrective measures to maintain the soil organic carbon at optimum levels and evaluating the effectiveness of the organic manure supplements.
- Agriculture universities & soil-testing labs for research purpose.

❖ For technology transfer details, please contact headttcd@barc.gov.in

