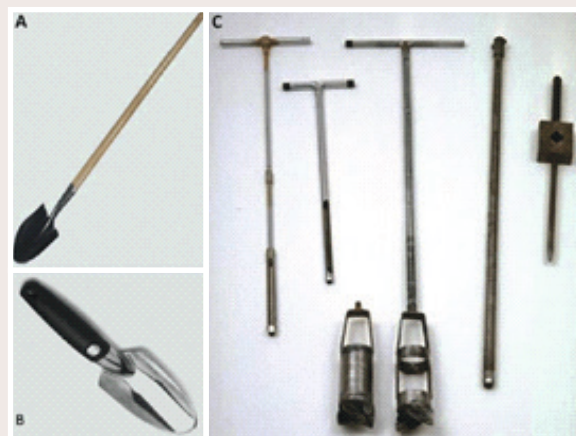


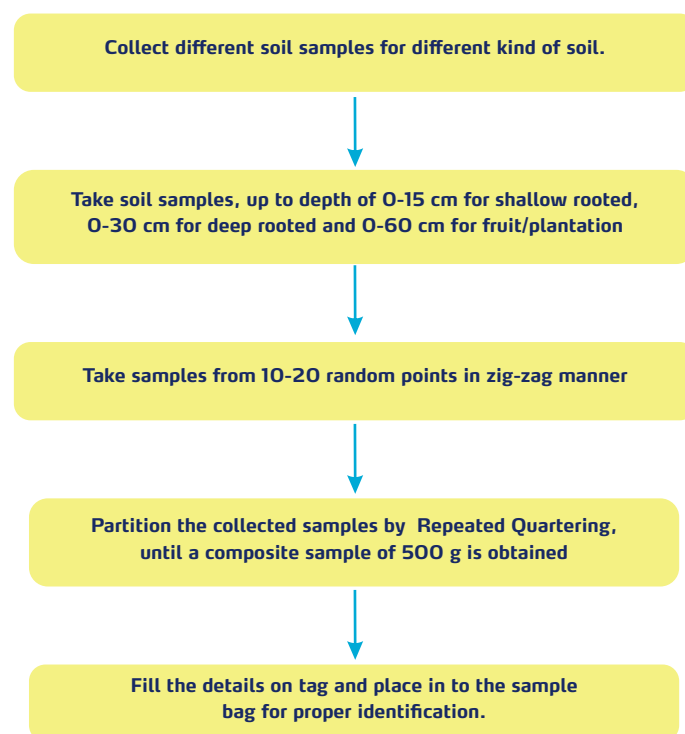
A. Sampling tools – all you need to keep handy for sending samples

A-Spade B-Khurpi C-Auger

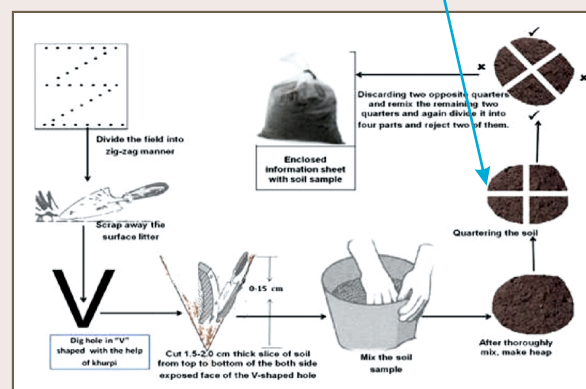
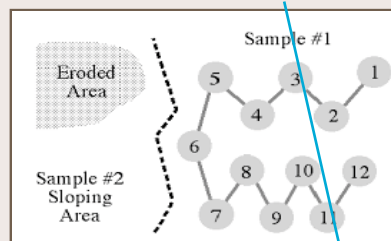
- Soil Auger - tube auger, post hole or screw type auger : or a Spade/Khurpi for taking samples
- A clean plastic bucket or tray or clean cloth for mixing the soil and sub sampling
- Yara Sample bag and tag
- Marker and Pencil for markings on the sample bags and sample tag
- Yara Sample information sheet



B. Sampling procedure



Remove vegetation and organic debris at sampling point



Submit the sample to local YARA Representative.

C. Precautions

- Do not sample from recently fertiliser applied field, near the bunds, from under the tree, pathways, site of previous compost, manure or cattle feed piles and unusually wet area
- Avoid sampling from field with standing crop
- Use tube auger for soft and moist soil, and screw auger or spade for harder soil
- Examine the cleanliness and strength of sampling bag before putting soil sample
- Ensure that proper identification marks are present on the sample bags as well as labels placed in the bags



Knowledge grows

Analytical Services

Know Your Soil's Health

मृदा के स्वास्थ्य का सदा रखें ध्यान,
धरती माँ से पायें अन्नपूर्णा वरदान ।



Remember that your analysis report is as good as your sample! Suggest availing assistance of our field team to ensure correct soil and plant tissue sampling.



Yara Fertilisers India Private Limited
#502, Global Business Square, Institutional Area,
Sector 44, Gurugram - 122003, Haryana

Customer Care : 1800 121 9272

Importance of Soil Analysis

- Soil analysis enables you to identify nutrient status of soil and their deficiencies in crop and recommends nutrient management practice based on requirement of the target crop.
- Analysis ensures timely identification of problems and adoption of corrective measures. It also provides a scientific guide for nutrient management.
- Getting your soil/plant samples checked is the first step towards adopting balanced and integrated nutrient management- for higher yields, better quality, maintaining soil health and enhanced return from investment in fertilizers.




Yara Analytical Services

- Yara established its first laboratory in 1975 in Pocklington, UK. With over 43 years' experience in research and commercial analytical services, Yara Analytical Services has till date carried out over two million analysis of soil and plant tissue samples from around the world.
- In keeping with our mission to "Responsibly feed the world and protect the planet", we have now established a world-class analytical facility in Uttar Pradesh, India. Our highly qualified team uses latest instrumentation, techniques and quality control procedures to ensure that we provide a rapid, accurate and impartial service.
- Our experience and knowledge combined with the use of our Internet-based Megalab interpretation system aims to provide a broad spectrum of accurate analytical data.



Introducing Megalab™

- Megalab is a secure, internet based, interpretation and data service application for all analysis reporting.
- The online application was developed by YARA in 1990 to assist round the clock reporting of fast and accurate results via web or e-mail.
- Megalab contains recognized guidelines for each crop. This mean all reports can be provided with interpretation for each nutrient, together with fertilizer product recommendations and advice.



Analysis Results (SOIL)

Customer	MR MONU SINGH VASUDEV PUR GHAZIPUR	Distributor	RAMDEO SINGH KUSHWAHA BEE
Sample Ref	PILOT-1-05	Date Received	21/10/2020
Sample No	A/11531		
Crop	POTATO		

Analysis	Result	Guideline	Interpretation	Comments
pH	7.1	6.5 - 7.5	Normal	The optimum soil pH is 6 to 7 for crop growth.
E.C. (mmhos/cm)	0.18	<1	Normal	No salinity risk.
Organic Carbon (%)	0.18	0.5 - 0.8	Very Low	Organic carbon has positive influence on soil health and nutrient availability to the crop. Suggestion to apply fully decomposed FYM 10 t/ha.
Nitrogen (kg/ha)	151.57	280 - 559.99	Low	Adjusted to apply @125 kg/ha YaraVita Urea in 3 spts down to 45.5 kg/ha at 12-15, 45.5 kg/ha at 25-30 and 38 kg/ha at 45-50 days after sowing. Apply 25 kg/ha YaraMito Complex (12-11-18) at sowing and 25 kg/ha at 25-30 days after sowing. Foliar application of DeKalpate (10-10-10) @ 5g/L at 35-40 days crop stage.
Phosphorus (kg/ha)	69.4	40 - 80	High	Adjusted to apply of DAP @ 115 kg/ha at the time of sowing. Foliar application of YaraVita Seraphos 500 ml/ha at 25-30 DAS and repeat at 45-50 DAS.
Potassium (kg/ha)	169.3	200 - 300	Low	Adjusted to apply 60 kg MOP at sowing and 60 kg/ha at 25-30 DAS. Foliar application of Korta K (13-00-45) @ 5 g/l in water at 50-55 days and Korta SGR (00-00-50) @ 5g/L at 60-70 DAS.
Sulphur (ppm)	12	10 - 30	Normal	Adjusted to apply DextroSulphur @ 8 kg/ha at the time of sowing.
Zinc (ppm)	1.24	1 - 5	Normal	Adjusted to apply 250 ml/ha YaraVita Zincar through foliar at 20-25 days crop stage.
Boron (ppm)	0.19	0.5 - 1	Low	Adjusted to apply 250 ml/ha YaraVita Borpac through foliar at 20-25 days (before tuber initiation).
Iron (ppm)	14.9	4 - 10	High	Adjusted to apply FeSO4 or Fe EDTA as per recommendation.
Copper (ppm)	1.24	0.3 - 2	Normal	Adjusted to apply Copper Sulfate as per recommendation.
Manganese (ppm)	8.3	5 - 10	Normal	Adjusted to apply MnSO4 as per recommendation.
Molybdenum (ppm)	0.059	0.2 - 0.409	Low	Adjusted to apply ammonium or sodium molybdate as per recommendation.
Calcium (ppm)	792	500 - 999.1	Normal	Adjusted to apply 25 kg/ha YaraVita Nitobor at 25-30 and again 25 kg/ha at 45-50 days crop stage.
Magnesium (ppm)	192	120 - 239.1	Normal	Adjusted to apply 15 kg/ha Magnesium Sulfate at the time of sowing.

Please Note
While every care is taken to ensure that the Results from Analysis are as accurate as possible, it is important to note that the analysis relates to the sample received by the laboratory, and is representative only of that sample. No warranty is given by the laboratory that the Results from Analysis relates to any part of a field or growing area not covered by the sample received. It is important to ensure that any soil, leaf, sludge or fluff sample sent for analysis is representative of the area requiring analysis and that samples are obtained in accordance with established sampling techniques. A leaflet containing instructions on how to take soil, leaf, herbage, sludge and fluff samples for analysis is available from the laboratory on request. Uncertainty measurements of results are available on request.

This report has been generated by Yara's Megalab™ software.

Services We Offer Soil and plant analysis

At Yara Analytical Services, we offer Soil Analysis, a necessary diagnostic tool to reveal the fertility status for planning the fertilizer needs of crop before planting or a new season. Moreover, The Yara Soil Analysis Report provides fertilizer application guidelines, in accordance with Yara Crop Nutrition Program for specific crops.

Another important service we offer at Yara Analytical Services is Plant Tissue Analysis, a diagnostic aid for an accurate assessment of the nutrient status content in various plant parts, mostly leaves, of any crop, at desired growth stage. Yara Field Team provides support to ensure correct sampling, as careful selection of the plant parts is necessary to depict the nutrient content.



Yara Analytical Services provides soil and plant analysis for following parameters-

Parameter	pH	EC	OC	N	P	K	S	Ca	Mg	Zn	Cu	Fe	Mn	B	Mo
Soil samples	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Plant samples				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

The Soil and Plant Analysis Services can be availed in the form of two packages, which provide freedom to choose, according to the requirement.

Package-1

Standard – (Soil) - pH, EC, OC, N, P, K, S, Zn, B

Package-2

Broad Spectrum-(Soil)- pH, EC, OC, N, P, K, S, Ca, Mg, Zn, B, Fe, Mn, Cu & Mo
Broad Spectrum – (Leaf)- N, P, K, S, Ca, Mg, Zn, B, Fe, Mn, Cu & Mo

Yara Analytical Service offer specific benefits for our customers like -

- Fast and accurate analysis
- Easy to understand results
- Comprehensive report on nutritional status
- Freedom to choose different types of soil analysis packages
- Tailor-made crop specific fertilizer application guidelines

Sampling Guide – Soil Analysis

The reliability of the analysis results and recommendations depends upon the care and skill with which samples are collected. It is to be noted that the most important phase of analysis is accomplished not in a laboratory but in the field where samples are collected. A sample free of contamination and fully representative of the field or plant is what gives you the best result.