

SOIL AND FERTILIZER MANAGEMENT (362)

The institutions having the following requisite infrastructure, may apply for accreditation:

A. Classroom :

Class room for 30 students (minimum area 250 sq. ft.) should have proper ventilation, well-illuminated black board/white board and availability of adequate furniture and ceiling fans.

B. Lab/Farm :

Institute should possess minimum of 0.5 acre of land. The size of workshop for 30 students should be at least 25ft. x 20 ft. with adequate lighting and exhaust & ceiling fans.

C. Faculty and Supporting Staff :

Faculty & Supporting Staff	Educational/Professional Qualification	No.
Coordinator	Graduate	01
Instructor	B.Sc. (Chemistry) or B.Sc. (Agriculture) from recognized university with 2 years experience	01
Lab In-charge/Lab Assistant	10 th class pass preferably locally trained person	01
Receptionist cum clerk	Relevant to job	01
Assistant	Relevant to job	01

D. List of Tools and Equipment :

Items	Quantity	Items	Quantity
Different type of soil sample	500 g each	Samples of Bio-fertilizers Agotobactor, Rhizobum culture	2 Sample each
Different type of fertilizers DAP, urea, super phosphate, gypsum, Muriate of potash	100gm each	Soil map for colour, texture and physical appearance of the soil (Munched chart)	2 sets of charts
Farms Yard Manure	1 kg	Litmus paper and universal	2 sets

		indicator for testing soil pH	
Chemicals for the estimation of soil nutrients	H ₂ SO ₄ (Sulphuric Acid), HCL (Hydrochloric acid) (500 ml each) etc.	Glassware for soil analysis : Beaker Flask Glass rod Test tubes Measuring cylinder Filter paper	Per sample 5 2 2 2 2 12
Equipments for estimation of soil nutrients pH, organic matter etc.	As per requirement	Implements for taking soil samples: Spade Kassi Augur Hand Hoe	1 1 1 1
Plastic bags for collection of soil samples.	As per requirement		

E. Physical Facilities :

The institution should have the facilities for Drinking water, bathrooms & toilets.

F. Library :

Library should have utility books/articles/magazines in related subject.

G. Batch Size :

Maximum 30 students per batch. An institution can run maximum 4 batches for this course at a time.