

LESSON PLAN

Name of course	Chemistry of Fertilizers and Pesticides
Course Code	B23 – VOC – 122
Semester	5 th Semester

August 2025	Methods and time of fertilizer applications, tips to get best efficiency of Applied Fertilizers, Integrated, nutrient, management, fertilizers and its relations to plant nutrients, Factors effecting optimum fertilizer dose.
September 2025	Classification and types of fertilizers, Nitrogenous fertilizers: Ammonium nitrate, Urea, Calcium Cyanamide, Calcium Ammonium Nitrate, Sodium Nitrate, Ammonium Chloride: Introduction, Raw materials, Action of as a fertilizers.
October 2025	Phosphate fertilizers: Normal super phosphate, Triple Super Phosphate, Ammonium Phosphate. Potassic fertilizers (Types and optimum doses)
November 2025	Pesticides: Classification, synthesis, structure activity relationship (SAR), mode of action, uses and adverse effects of representative pesticides in the following classes: Organochlorines (DDT, Gammexene); Organophosphates (Malathion, Parathion); Carbamates (Carbofuran and Carbaryl); Quinones (Chloranil), Anilides (Alachlor and Butachlor).