Mindluster Platform

About the course Farm equipment and machines

Course Presenter : Agriculture Irrigation Engineering

Farm equipment and machines, in this course provides a comprehensive overview of the tools and machinery that power modern agriculture. Learners will explore the classification, design, and operation of essential equipment, from simple hand tools to advanced machines such as tractors, plows, seeders, sprayers, irrigation systems, and harvesters. The course highlights how these machines improve efficiency, save labor, and increase productivity across different farming stages, including soil preparation, planting, crop care, and harvesting. Emphasis is placed on safe operation, proper maintenance, and cost-effective selection of equipment suited to various farm sizes and conditions. Students will also examine the role of technology in modern farming, including precision agriculture and smart machinery. By the end, participants will gain practical knowledge to apply farm equipment effectively while promoting sustainability and long-term productivity. Agriculture Irrigation Engineering

Agriculture Category's Courses

Course Lesson(10)

Lesson 1 : **Farm Equipment Lecture 1 Types of tillage and implements used**

Lesson 2 :
Farm equipment Lecture 2 Primary tillage implement Plough Draft Pull Field capacity Ploughing method

Lesson 3 :
Farm equipment Lecture 3 Secondary Tillage implements Harrows Disc harrows Power Indigenous harrows

Lesson 4 :
Farm equipment Lecture 4 Hitching system Forces acting on a tillage implement Draft Control Sensing

Lesson 5 : **Farm equipment Lecture 5 Sowing Seeding equipment Calibration of a seed drill**

Lesson 6 :
Farm equipment Lecture 6 Planters Types Components Potato Sugarcane and rice planter transplanter

Lesson 7 : **Unit 3 lecture 3 Weeding equipment Farm equipment**

Lesson 8 : **Unit 4 lecture 1 Sprayers and dusters Farm equipment**

Lesson 9 :
Unit 5 lecture 1 Harvesters Mowers Combine harvester Diggers Sugarcane maize potato harvesters

Lesson 10 : **Unit 5 lecture 2 Threshers**

Related courses

Growing fenugreek

Growing microgreens

Growing eggplants in containers

Growing Peas in containers

Growing raspberries

Growing chocolate

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