

Training Schedule

Paddy Farming (652)

S.No	Schedule		Theory (40Hrs)		Practical (80Hrs)		Instructions to the trainer	Key Learning outcomes (After going through the PCP learner will be able to..)
	Week	Day	Topic	Hours	Topic	Hours		
1.	Week 1	Day 1	Introduction to paddy cultivation	2	<ul style="list-style-type: none"> Visit to a paddy field To get familiar with paddy plant, area of cultivation, activities performed for paddy cultivation 	3	<ul style="list-style-type: none"> Use relevant PPTs/ videos showing the package of practice of paddy cultivation. Show relevant success stories of nearby locality. Arrange visit to nearby paddy field in advance. 	<ul style="list-style-type: none"> Explain general information about the paddy plant, species of economic importance, coverage area, scope etc.
2.		Day 2	Growth stages, growing ecology & requirement for paddy cultivation	2	<ul style="list-style-type: none"> Identify paddy plant parts Identify various growth stages of paddy Identify paddy variety 	3	<ul style="list-style-type: none"> Explain about paddy plant parts using charts and specimen. Explain using relevant audio video Aids. Show different paddy varieties available nearby. 	<ul style="list-style-type: none"> Identify paddy plant parts Identify various growth stages of paddy Identify paddy variety

3.	Week 2	Day 1	Seed & nursery management	3	<ul style="list-style-type: none"> Identify healthy paddy seed Prepare solution for chemical treatment of seed Prepare seed for germination/sprouting 	2	<ul style="list-style-type: none"> Differentiate between healthy seed & unhealthy seed by showing some samples. Ensure proper safety measure while making chemical solution for treatment Ensure proper placement of seeds for germination in gunny bags 	<ul style="list-style-type: none"> Identify healthy paddy seed Prepare solution for chemical treatment of seed Prepare seed for germination/sprouting
4.		Day 2	-	-	<ul style="list-style-type: none"> Observe seeds for sprouting Calculate the germination percentage 	5	<ul style="list-style-type: none"> Make prior arrangement for dryer, weighing balance & other equipment required. Take record of the observations & calculation 	<ul style="list-style-type: none"> Predict seeds for sprouting Calculate germination percentage Record observations precisely
5.	Week 3	Day 1	Nursery bed preparation	3	<ul style="list-style-type: none"> Prepare nursery bed by wet bed method 	2	<ul style="list-style-type: none"> Explain different methods of seed bed preparation using PPTs/charts/videos etc. Explain tools, equipments & precautions to be taken while 	<ul style="list-style-type: none"> Explain different methods of seed bed preparation. Prepare nursery bed by wet bed method. Use appropriate

							handling.	tools, equipments taking proper precautions.
6.		Day 2	-	-	<ul style="list-style-type: none"> • Prepare nursery bed by dry bed method • Prepare nursery bed by Dapog method 	5	<ul style="list-style-type: none"> • Demonstrate procedure and precautions to be followed. 	<ul style="list-style-type: none"> • Prepare nursery bed by dry bed method • Prepare nursery bed by Dapog method
7.	Week 4	Day 1	Introduction to System of Rice Intensification (SRI)	3	<ul style="list-style-type: none"> • Prepare mixture using compost, soil & rice husk/sand for nursery 	2	<ul style="list-style-type: none"> • Explain concepts of SRI using relevant PPTs and videos. • Ensure availability of raw materials for nursery bed preparation. 	<ul style="list-style-type: none"> • Prepare mixture using compost, soil & rice husk/sand for nursery
8.		Day 2	-	-	<ul style="list-style-type: none"> • Prepare nursery bed for SRI method 	5	<ul style="list-style-type: none"> • Explain concepts of SRI using relevant PPTs and videos. • Ensure availability of raw materials for nursery bed preparation. 	<ul style="list-style-type: none"> • Prepare nursery bed for SRI method
9.	Week 5	Day 1	Field preparation for paddy cultivation	2	<ul style="list-style-type: none"> • Introduction of farm equipments for land preparation • Puddling & field preparation for transplanting 	3	<ul style="list-style-type: none"> • Explain the technical components of equipments using relevant PPTs and videos. • Explain precautions to be taken while 	<ul style="list-style-type: none"> • Puddle & prepare field for transplanting

							doing various equipments.	
10.		Day 2	-	-	<ul style="list-style-type: none"> Hands on experience on farm equipments for land preparation 	5	<ul style="list-style-type: none"> Demonstrate the farm equipments for land preparation under supervision of operators. 	<ul style="list-style-type: none"> Use equipments judiciously for land preparation
11.	Week 6	Day 1	Nutrient management in paddy cultivation	3	<ul style="list-style-type: none"> Identification of nutrient deficiency symptom of paddy 	2	<ul style="list-style-type: none"> Explain nutrient deficiency symptoms using videos/PPTs/charts and specimen. 	<ul style="list-style-type: none"> Identify nutrient deficiency symptom of paddy Adopt preventive and curative measures
12.		Day 2	-	-	<ul style="list-style-type: none"> Introduction of integrated nutrient management Introduction about soil fertility 	5	<ul style="list-style-type: none"> Explain about integrated nutrient management practice using videos/PPTs/charts and specimen. 	<ul style="list-style-type: none"> Explain integrated nutrient management practices
13.	Week 7	Day 1	Water management in paddy cultivation	3	<ul style="list-style-type: none"> Identify critical stages of irrigation 	2	<ul style="list-style-type: none"> Explain critical growth stages using videos/ PPTs/charts and specimen. 	<ul style="list-style-type: none"> Identify critical stages for timely irrigation
14.		Day 2	-	-	<ul style="list-style-type: none"> Calculate irrigation schedule for 	5	<ul style="list-style-type: none"> Observe the calculation & give 2-3 exercises 	<ul style="list-style-type: none"> Calculate irrigation schedule for

					paddy crop		according to growth stage available.	paddy crop
15.	Week 8	Day 1	Integrated pest management of paddy	3	<ul style="list-style-type: none"> Identify important insects of paddy 	2	<ul style="list-style-type: none"> Explain pest infestation symptoms using videos PPTs//charts and specimen. Explain precautions to be taken while handling chemicals. 	<ul style="list-style-type: none"> Identify important insects of paddy. Identify infestation symptoms
16.		Day 2	-	-	<ul style="list-style-type: none"> Integrated pest management practices for important pest of paddy Safety measures while using pesticides 	3	<ul style="list-style-type: none"> Ensure safety measures while using chemicals. Explain about alternate methods of pest management other than chemical treatment 	<ul style="list-style-type: none"> Implement Integrated pest management practices. Take safety measures while using pesticides
17.	Week 9	Day 1	Integrated disease management of paddy	3	<ul style="list-style-type: none"> Identify important diseases of paddy 	2	<ul style="list-style-type: none"> Explain disease infestation symptoms using videos/PPTs/charts and specimen. Explain precautions to be taken while handling chemicals. 	<ul style="list-style-type: none"> Identify important diseases of paddy Identify infection symptoms
18.		Day 2	-	-	<ul style="list-style-type: none"> Integrated disease management practices for important 	5	<ul style="list-style-type: none"> Ensure safety measures while using chemicals. Explain about 	<ul style="list-style-type: none"> Implement Integrated disease management practices

					diseases of paddy		alternate methods of disease management other than chemical treatment	<ul style="list-style-type: none"> • Ensure safety measures while using chemicals.
19.	Week 10	Day 1	Harvesting of paddy crop	2	<ul style="list-style-type: none"> • Introduction to harvesting equipments for paddy • Identify right stage of harvesting for paddy 	3	<ul style="list-style-type: none"> • Explain right time and right equipments to be used to harvest using videos/PPTs/etc. • Demonstrate the equipments used for harvesting & their safety measures. 	<ul style="list-style-type: none"> • Identify right stage of harvesting for paddy • Use harvesting equipments judiciously for paddy
20.		Day 2	Post harvest management of paddy	2	<ul style="list-style-type: none"> • Introduction about post harvest practices • Hands on experience on drying, winnowing & cleaning practice in paddy • Calculation of moisture content of grain • Straw management 	3	<ul style="list-style-type: none"> • Demonstrate harvesting and storage of grains. • Explain precautions to be taken while following procedures. 	<ul style="list-style-type: none"> • Explain post harvest practices • Perform drying, winnowing & cleaning in paddy • Calculate moisture content of grain • Manage straw
21.		Day 1	<ul style="list-style-type: none"> • Maintain health and safety • Mechanisation 	2	<ul style="list-style-type: none"> • Maintenance of health and safety issues at workplace 	3	<ul style="list-style-type: none"> • Explain precautions to be taken while following 	<ul style="list-style-type: none"> • Maintain health and safety issues at workplace

	Week 11		in paddy		<ul style="list-style-type: none"> • Different tools and equipments used in paddy cultivation and post harvest operations 		<p>procedures.</p> <ul style="list-style-type: none"> • Demonstrate different tools and equipments used in paddy cultivation and post harvest operations, their identification and use. 	<ul style="list-style-type: none"> • Use different tools and equipments for post harvest operations safely
22.		Day 2	Marketing and entrepreneurial skills	-	<ul style="list-style-type: none"> • Communication and writing skills • Market survey 	5	<ul style="list-style-type: none"> • Explain marketing and entrepreneurial skills using PPTs/ videos/ role play • Explain effective communication and writing skills using relevant PPTs// videos. • Discuss appropriate ways to establish cordial relations with various clients for developing the business. • Arrange market visit to get prices of various inputs from the market. • Explain ways to identify appropriate buyers for the 	<ul style="list-style-type: none"> • Develop basic marketing entrepreneurial skills • Perform market survey for demand analysis • Use effective communication and writing skills

							produce.	
23.	Week 12	Day 1	Business plan for commercial cultivation of paddy	2	<ul style="list-style-type: none"> • Make a business plan to cultivate basmati rice. • Make a financial and budget plan using System of Rice Intensification. 	3	<ul style="list-style-type: none"> • Explain, prepare and share a business proposal for easy understanding of learner. • Demonstrate best ways of marketing one's produce. 	<ul style="list-style-type: none"> • Prepare a business plan for small paddy cultivation
24.		Day 2	Revision and doubt clearance	5	-	-	<ul style="list-style-type: none"> • Revision of tough topics to be done. • Class test may be conducted. 	<ul style="list-style-type: none"> • Clarify doubts
		Total		40		80		