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Course Directory

Knowledge that Cultivates Growth

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171+ expert led courses on Agriculture & Allied sectors

Mission Directorate
Holistic Agriculture Development Program (HADP) &
Competitiveness Improvement of Agriculture & Allied Sectors Project
Agriculture Production Department
Government of Jammu & Kashmir



About the course directory

The Daksh Kisan Learning Catalog is your gateway to a world of knowledge designed to empower farmers with modern agricultural practices. Featuring 171 expert-curated courses across the Agriculture and Allied sectors, this platform is revolutionizing farmer education in Jammu & Kashmir.

Hosted on dakshkisan.jk.gov.in, the platform has already registered 1.95 lakh farmers, helping them upskill and adapt to the latest advancements in farming. The courses are meticulously designed by experts from SKUAST-Jammu and SKUAST-Kashmir, ensuring scientifically sound and practical knowledge tailored to local conditions.

What Makes Daksh Kisan Unique?

- ✓ Multi-Language Support – Courses are available in Hindi, Dogri, Urdu, and Kashmiri to ensure accessibility for all.
- ✓ Comprehensive Learning – Engaging video lectures and in-depth reading materials for a complete learning experience.
- ✓ Assessments & Certifications – Farmers can test their knowledge through course assessments and earn certificates upon successful completion.
- ✓ Mandatory for Schemes – Upskilling through Daksh Kisan is a prerequisite for availing beneficiary-oriented schemes on the Kisan Sathi Portal.

Explore. Learn. Grown

Take the next step in your farming journey with Daksh Kisan LMS —where knowledge meets progress!



1

Development of Seed and Seed Multiplication

Course Details

Courses	No. of Modules	Topics covered	Duration
Development of Seed and Seed Multiplication	06	<ol style="list-style-type: none"> 1.Importance of quality seed, seed standards and seed certification in field crops 2.Methods of quality seed production in cereals and pulses 3.Importance of quality seed, seed standards and seed certification in vegetable crops 4.Seed Production techniques in major vegetable crops of Jammu 5.Funding Scheme 6.Business Plan 	145 Min
Seed Processing Unit	04	<ol style="list-style-type: none"> 1.Post-harvest handling, processing and branding of seed 2.Post Harvest handling of vegetable seeds 3.Business plan for commercial seed production: market and supply chain 4.Funding Plan 	72 Min
Seed multiplication under Protected cultivation NEW!	03	<ol style="list-style-type: none"> 1.Seed multiplication under protected cultivation 2.Business Plan 3.Financial Plan 	83 Min



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2 Promotion of Niche crops



Available in:

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- HINDI
- URDU
- KASHMIRI

Course Details

Courses	No. of Modules	Topics covered	Duration
Production of Quality Planting Material of Niche Crops (Saffron)	03	<ol style="list-style-type: none">1. Production of Quality Planting Material of Niche Crops (Saffron)2. Business Plan3. Funding Plan	28 Min
Production of Quality Planting Material of Niche Crops (Kala Zeera)	03	<ol style="list-style-type: none">1. Production Technology of Kala zeera2. Business Plan3. Funding Plan	25 Min



2 Promotion of Niche crops

Course Details

Courses	No. of Modules	Topics covered	Duration
Production of Quality Planting Material of Niche Crops (Bhaderwahi Rajmah)	04	1.Importance of Bhaderwahi Rajmash 2.Production Technology of Bhaderwahi Rajmash 3.Business Plan 4.Funding Plan	49 Min
Production of Quality Planting Material of Niche Crops (Hill Garlic)	04	1.Importance of Hill garlic 2.Production Technology of Hill Garlic 3.Business Plan 4.Funding Plan	49 Min
Production of Quality Planting Material of Niche Crops (Pecannut)	04	1.Importance of Pecannut 2.Production Technology of Pecannut 3.Business Plan 4.Funding Plan	103 Min



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2 Promotion of Niche crops

Course Details

Courses	No. of Modules	Topics covered	Duration
Production of Quality Planting Material of Niche Crops (Kashmiri chilli) NEW!	03	<ol style="list-style-type: none"> 1. Production of Quality Planting Material of Niche Crops (Kashmiri Chilli) 2. Business Plan 3. Financial Plan 	155 Min
Production of Quality Planting Material of Niche Crops (Red Rice) NEW!	03	<ol style="list-style-type: none"> 1. Production of Quality Planting Material of Niche Crops (Red Rice) 2. Business Plan 3. Financial Plan 	63 Min
Production of Quality Planting Material of Niche Crops (Mushkibudji) NEW!	03	<ol style="list-style-type: none"> 1. Production of Quality Planting Material of Niche Crops (Mushkibudji) 2. Business Plan 3. Financial Plan 	62 Min



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3

Promotion of Vegetables/Exotic vegetables

Course Details

Courses	No. of Modules	Topics covered	Duration
Protected Cultivation of Vegetable Crops	11	<ol style="list-style-type: none"> 1.Scope and importance of protected cultivation 2.Types of Protected Structure 3.Biotic and a-biotic stress management under protected cultivation 4.Principles of green house vegetable cultivation 5.Suitability of vegetable crops for green house cultivation 6.Nursery Raising Technology Under Green House As A Enterprise For Entrepreneurs 7.Soilless cultivation of vegetable crops 8.Technique of grafting and plant architecture maintenance 9.Green house technology for high value vegetable production under green house (Protected Structure) 10.Business Plan 11.Funding Plan 	242 Min
Open Field Vegetable Production	11	<ol style="list-style-type: none"> 1.Commercial vegetable production: its importance and scope. 2.Hi- Tech Nursery for quality transplant production. 3.Agro-technique for production of commercially important kharif and Rabi vegetables 4.Production technique for raising of export oriented high value exotic vegetable crops 5.Important nutrients and their deficiency symptoms in vegetable crops 6.Disease and pest management of vegetable crops 7.Off- Season vegetable production for higher income generation. 8.Strategies for management of post – harvest losses of vegetables. 9.Value addition in vegetable production to boost the exports. 10.Business Plan 11.Funding Plan 	251 Min



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4 Strengthening Agri-Marketing System

Course Details

Courses	No. of Modules	Topics covered	Duration
Rural Business and Service Hubs	05	<ol style="list-style-type: none"> 1.Rural Business and Service Hubs: Concept and Mandate in the Service Delivery of Agriculture and allied sectors 2.Rural entrepreneurship through Business Service Hubs – Evolving ecosystem in Hub and Spoke Model 3.ICT and Its application in Rural Agribusiness and Service Delivery Mechanism 4.Financial Plan 5.Business Plan 	109 Min
CA/Cold stores under Agri-Marketing System NEW!	04	<ol style="list-style-type: none"> 1.Advanced Concepts and Applications of Controlled Atmosphere (CA) Storage 2.Post-Harvest Management and Regulatory Compliance in ControlledAtmosphere (CA) Storage 3.Business Plan 4.Financial Plan 	46 Min
Hi Tech/ Portable Grading Lines under Agri - Marketing System NEW!	04	<ol style="list-style-type: none"> 1.Basic principles of Grading and Packing 2.Grading Lines: Design Installation and operation 3.Business plan 4.Financial Plan 	44 Min



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4 Strengthening Agri-Marketing System

Course Details

Courses	No. of Modules	Topics covered	Duration
Agri-supply chain management	03	1. Agri-supply chain management 2. business Plan 3. Financial Plan	76 Min



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5 Promotion of Medicinal & Aromatic Plants Cultivation on Commercial Basis in the UT of J&K



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Course Details

Courses	No. of Modules	Topics covered	Duration
Medicinal & Aromatic Plants: Cultivation, Management & Marketing of Medicinal & Aromatic Plants	01	<ol style="list-style-type: none">1. Cultivation Practices of Medicinal & Aromatic Plants2. Harvesting & Post-harvest Management of Medicinal & Aromatic Plants3. Marketing & Trade of Medicinal & Aromatic Crops/Plants4. Business Plan of Medicinal & Aromatic Crops/Plants5. Financial Plan	50 Min



6 Promotion of Apiculture

Course Details

Courses	No. of Modules	Topics covered	Duration
Beekeeping for Entrepreneurs	03	1. Beekeeping for Entrepreneurs 2. Business Plan 3. Financial Plan	53 Min
Apiculture Equipments & Manufacturing Unit	03	1. Apiculture equipment & Manufacturing Unit 2. Business Plan 3. Financial Plan	47 Min
Establishment of Honey Processing Unit	03	1. Apiculture equipment & Manufacturing Unit 2. Business Plan 3. Financial Plan	43 Min



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7

Strengthening of Sericulture

Course Details

Courses	No. of Modules	Topics covered	Duration
Mulberry Production Technology	08	<ol style="list-style-type: none"> 1. Soil Preparation and mulberry propagation 2. Cultivation of mulberry and nutrient management 3. Chawki leaf production technology 4. Mulberry diseases and their management 5. Pests of mulberry and their management 6. Intercropping in mulberry 7. Business Plan 8. Financial Plan 	145 Min
Bivoltine Silkworm Rearing Technology	09	<ol style="list-style-type: none"> 1. Prerequisites for Bivoltine Silkworm Rearing 2. Disinfection, importance & Methods 3. Silkworm Rearing (Chawki and Lateage) 4. Silkworm Diseases and Management 5. Mounting & Mountages, cocoon harvesting drying and storage 6. Mulberry leaf harvesting preservation and quality maintenance 7. Silkworm seed production technology 8. Business Plan 9. Financial Plan 	175 Min
Silk Reeling units	03	<ol style="list-style-type: none"> 1. Skill Reeling units 2. Business plan 3. Financial Plan 	53 Min



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8 Promotion of Nutri cereals

Course Details

Courses	No. of Modules	Topics covered	Duration
Millet Production Technology	09	<ol style="list-style-type: none"> 1. Millets & its importance 2. Agronomic practices for millets production 3. Underutilized/pseudo-cereals production technology 4. Emerging pests of millets and their management 5. Disease management for improved millets production 6. Seed production in millets 7. Post harvest management and value addition in Millets 8. Business Plan 9. Financial Plan 	155 Min
Establishment of Millet Processing Unit	03	<ol style="list-style-type: none"> 1. Establishment of Millet Processing Unit 2. Business Plan 3. Financial Plan 	64 Min

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9

Farm Mechanization and Automation

Course Details

Courses	No. of Modules	Topics covered	Duration
Operation, Maintenance & Repair of Agriculture Machinery	10	<ol style="list-style-type: none"> 1. Establishment of Custom Hiring Centre/Farm Machinery Bank: Requirements & operational Guidelines 2. Tillage Machinery: Operation, adjustments & maintenance 3. Sowing, Planting and Transplanting Machinery: Operation, adjustments & maintenance 4. Intercultural/Weeding Machinery: Operation, adjustments & maintenance 5. Plant Protection Machinery: Operation, adjustments & maintenance 6. Harvesting and Threshing Machinery: Operation, adjustments & maintenance 7. Irrigation Pump: Operation, adjustments & maintenance 8. IC Engine and Tractor: Operation, scheduled & General maintenance 9. Financial Plan 10. Business Plan 	237 Min
<div style="color: red; font-weight: bold; font-size: small;">NEW!</div> Skilling Course on Farm Machinery under Farm Mechanization & Automation	08	<ol style="list-style-type: none"> 1. Custom Hiring Centre 2. Land/Seed Bed Preparation 3. Sowing and Planting 4. Spraying 5. Harvesting and Threshing 6. Resource Conservation Machines 7. Business plan 8. Financial Plan 	108 Min



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10 Promotion of Mushroom Cultivation



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Course Details



Courses	No. of Modules	Topics covered	Duration
Spawn Production Technology	05	<ol style="list-style-type: none">1.Preservation and raising of mushroom cultures for spawn production2.Basic requirements of spawn production laboratory3.Commercial spawn production, its storage and transportation4.Business Plan5.Financial Plan	112 Min
Mushroom Production Technology	10	<ol style="list-style-type: none">1.Introduction to mushrooms, its commercial importance and round the year cultivation2.Nutritional and medicinal properties of mushrooms3.Substrate preparation for different types of mushrooms4.Farm designs for mushroom cultivation5.Crop management and environmental conditions for raising mushroom crop6.Commercial cultivation of specialty mushrooms7.Marketing and economics of mushroom cultivation8.Management of different types of diseases, disorders and insect pests of mushrooms9.Business Plan10.Financial Plan	233 Min
Post-harvest processing and value addition	04	<ol style="list-style-type: none">1.Techniques for handling and processing of mushrooms2.Product development and value addition of mushrooms3.Business Plan4.Financial Plan	88 Min



11

Promotion of Oilseeds

Course Details

Courses	No. of Modules	Topics covered	Duration
Quality Seed Production in oilseed	08	<ol style="list-style-type: none"> 1.Importance of Quality Seed, Seed Standards and Seed certification in Oilseed Crops 2.Diversifying oilseed production by popularization of non-conventional oilseed crops 3.Agro-technology for quality seed production of major oilseed crops 4.Insect pest management of major Oilseed crops 5.Disease management in Oilseed crops 6.Post harvest management of quality seed in major oilseed crops 7.Funding Agencies/schemes for promotion of oilseeds 8.Business Module for promotion of Oilseeds 	181 Min
Skilling Course  on Farm Machinery & Equipments for promotion of Oilseeds	03	<ol style="list-style-type: none"> 1.Farm Machinery & Equipment's for promotion of Oilseeds 2.Business plan 3.Financial plan 	66 Min
Skilling Course  on Irrigation Infrastructure under promotion of Oilseeds	03	<ol style="list-style-type: none"> 1.Irrigation Infrastructure under promotion of Oilseeds 2.Business plan 3.Financial plan 	84 Min



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11

Promotion of Oilseeds

Course Details



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Courses	No. of Modules	Topics covered	Duration
Skilling Course on Extractor Oil Seed under promotion of Oilseeds	03	<ol style="list-style-type: none">1.Extractor Oil Seed under promotion of Oilseeds2.Business plan3.Financial plan	78 Min
Skilling Course on oil mills with Filterpress under promotion of Oilseeds	03	<ol style="list-style-type: none">1.Oil mills with Filter press under promotion of Oilseeds2.Business plan3.Financial plan	36 Min



12 Formulation of 300 FPOs

Course Details

Courses	No. of Modules	Topics covered	Duration
Capacity Building of CBBO's and Rural Youth in Formulation of Sustainable Farmer Produces Organization (FPO)	10	<ol style="list-style-type: none"> 1.Introduction to FPO (Issues, Challenges and Way forward) 2.Role of different agencies in FPO formation and promotion 3.Stages of FPO Formation and Registration 4.Market and Marketing of FPO produce 5.Value addition, Licensing and Certification of FPO produce Crops/Plants 6.Basic accounting and record keeping for management of FPO 7.Development of MIS for FPOs 8.Human Recourse Management for sustainable FPO 9.Sustainable business planning & implementation (Adoption of multi - commodity & multi-enterprise approach) 10.Identification of resources for funding sustainable FPO business plan (infrastructure / working capital requirements and convergence of Government Departments/Schemes/ Ministries) 	91 Min



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13 Adoption & Promotion of Integrate Farming System

Course Details

Courses	No. of Modules	Topics covered	Duration
Integrated Farming System	10	<ol style="list-style-type: none"> 1. Concept of farming system, Integrated farming system and organic/natural farming and relevance of IFS in J&K with respect to nutritional/livelihood security, sustainability and profitability. 2. Criteria for selection of IFS module, synthesis and land allocation customization. 3. Cropping system based selection (quantification and management practices). 4. Mushroom production tips based on bi-product generated within farm. 5. Efficient resource utilization for composite fish and poultry farming within IFS. 6. Planning & Contribution of Horticulture enterprise in IFS 7. Dairy unit – Its contribution & standardised Management tips 8. Round the year green fodder production 9. Business Plan 10. Financial Plan 	187 Min



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14 Promotion of Commercial Floriculture

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Course Details

Courses	No. of Modules	Topics covered	Duration
Ornamental Nursery Production	10	<ol style="list-style-type: none"> 1. Management and Layout of ornamental nursery 2. Plant propagation structures 3. Growing Media and its Composition 4. Plant Growing Containers for Nursery Ornamental Plant Production 5. Pot Plant production and maintenance 6. Methods of Propagation of Ornamental Plants 7. Nursery Raising: Open pollinated and hybrid seedling production of annual flowers 8. Management and Practices in rooting of cuttings of ornamental plants 9. Business Plan 10. Financial Plan 	177 Min
Commercial Flower Production	11	<ol style="list-style-type: none"> 1. Introduction to Commercial Floriculture 2. Commercial production of marigold 3. Commercial production of rose under protected conditions 4. Commercial production of carnation under protected conditions 5. Commercial production of gerbera under protected conditions 6. Commercial production of lilium under protected conditions 7. Production technology of chrysanthemum 8. Production technology of gladiolus 9. Post harvest handling of cut flowers 10. Scheme for area expansion for cluster based commercial flower production. 11. Business Plan 	187 Min



14 Promotion of Commercial Floriculture

Course Details

Courses	No. of Modules	Topics covered	Duration
Aromatic Plant Cultivation for Oil Production	04	<ol style="list-style-type: none">1. Production technology of lavender2. Propagation of Lavender3. Business plan for Lavender cultivation4. Financial Plan	45 Min
Open Field Production of Bulbous Flowers	03	<ol style="list-style-type: none">1. Open Field Production of Bulbous Flowers2. Business plan3. Financial plan	41 Min
Annual Flower Seed Production	03	<ol style="list-style-type: none">1. Annual Flower Seed Production2. Business plan3. Financial plan	41 Min



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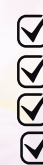


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15 Development of Rainfed Areas



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Course Details

Courses	No. of Modules	Topics covered	Duration
Rainfed Agriculture	08	<ol style="list-style-type: none"> 1. An Overview of Rainfed Agriculture 2. Quality Seed Production in crops. 3. Soil Health Management under Rainfed Agriculture. 4. Agronomic manipulations for optimizing seed Production. 5. Water Management in Rainfed Areas. 6. Integrated Pest Management in Rainfed Areas (Agro-ecosystem) 7. Business Plan 8. Financial Plan 	210 Min
Skilling Course on Irrigation Infrastructure under Rainfed Area 	03	<ol style="list-style-type: none"> 1. Skilling Course on Irrigation Infrastructure under Rainfed Area 2. Business plan 3. Financial plan 	68 Min
Skilling Course on Custom Hiring Center under Rainfed Area 	03	<ol style="list-style-type: none"> 1. Skilling Course on Custom Hiring Center under Rainfed Area 2. Business plan 3. Financial plan 	70 Min



15 Development of Rainfed Areas

Course Details

Courses	No. of Modules	Topics covered	Duration
Skilling Course on Small Agro Processing Unit under Rainfed Area <small>NEW!</small>	03	1. Skilling Course on Small Agro Processing Unit under Rainfed Area 2. Business plan 3. Financial plan	66 Min
Goat, sheep & backyard poultry farming under Rainfed Area <small>NEW!</small>	03	1. Goat, sheep & backyard poultry farming under Rainfed Area 2. Business plan 3. Financial Plan	131 Min



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16 Alternate Agriculture System for Sustainability



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Course Details

Courses	No. of Modules	Topics covered	Duration
Organic Input Production & Utilization	09	<ol style="list-style-type: none"> 1.Organic Farming Need & principles 2.Cultural and Mechanical Practices in Organic Farming 3.Methods of composting 4.Commercial potential of bio-fertilisers and their mass production 5.Development of Bioformulations and their application in the field 6.Vermicomposting Technology 7.Preparation of basic formulations of Natural Farming 8.Business Plan 9.Financial Plan 	176 Min
Certification and Marketing Procedures for Organic Produce	08	<ol style="list-style-type: none"> 1.Organic Certification 2.Govt. Sponsored Schemes for supporting Organic Farming in J&K/India 3.Prospects and Marketing opportunities of Organic Farming in J&K/India 4.Business module for commercial vermicomposting 5.Processing and Value addition of Organic Produce 6.Branding and Marketing of Organic Produce as per PGS System 7.Business Plan 8.Financial Plan 	186 Min



16 Alternate Agriculture System for Sustainability



Available in:



Course Details

Courses	No. of Modules	Topics covered	Duration
Hydroponic for exotic vegetables	05	<ol style="list-style-type: none">1. Basic principles of hydroponics and requirement for crop growth and suitable crops for hydroponics.2. Nursery raising, transplanting techniques, and harvesting management in hydroponics.3. Construction of different hydroponics models and Hydroponics produce marketing trends and profit analysis.4. Business Plan5. Financial Plan	132 Min



17

Sensor Based Smart Agriculture

Course Details

Courses	No. of Modules	Topics covered	Duration
Sensors and IoT technology for Smart Farming.	07	<ol style="list-style-type: none">1. Drone Technology for agriculture: the future farmer2. Use of sensor technology in agriculture3. GIS in agriculture4. Automation in agriculture robotic agriculture5. Artificial intelligence in agriculture6. Business technologies for adoption7. Financial funding schemes for sensor based smart agriculture	147 Min



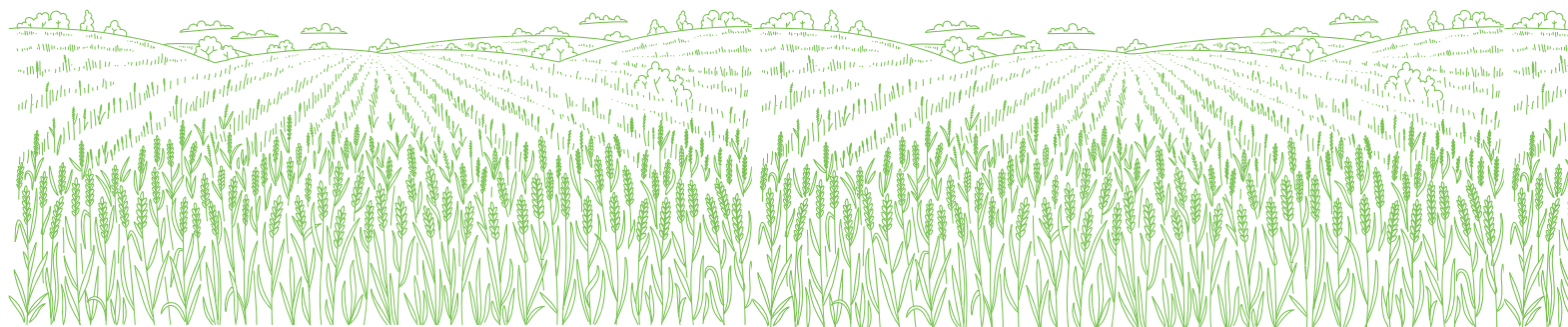
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18 Minimizing Pesticide Use in Agriculture



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Course Details

Courses	No. of Modules	Topics covered	Duration
Biopesticides production for Disease and Pest Management	08	<ol style="list-style-type: none"> 1. Introduction and Benefits of Biopesticides 2. Types and Mode of Action of Biopesticides 3. Development of Bio pesticides and their Application in Field 4. Biopesticide Production Technology 5. Different Application Methods of Biopesticides for Successful Diseases and Pest Management 6. Principles of Integrated Diseases and Pest Management 7. Business Plan for Biopesticide development 8. Financial Plan 	154 Min
Model Apple Orchard for Precision Disease and Pest Management	06	<ol style="list-style-type: none"> 1. Precision based insect pest management 2. Precision disease management 3. Sensor based pesticide spraying technology 4. orchard design for precision disease and pest management 5. Business Plan 6. Financial Plan 	128 Min



19 Soil & Land Resource Information System




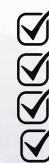
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Course Details

Courses	No. of Modules	Topics covered	Duration
Entrepreneurship in Mini Soil-Plant Testing Laboratories	12	<ol style="list-style-type: none">1. Basic Concepts of Soil Fertility2. Importance of Soil and plant analysis and proper method of soil and plant sampling their processing and storage.3. Safety measures in Lab & handling and preparation of different reagents for use in soil and plant analysis4. Determination of pH, EC and Organic Matter5. Nitrogen estimation in soil and plant samples.6. Phosphorus estimation in soil and plant samples.7. Potassium estimation in soil and plant samples.8. Sulphur estimation in soil and plant samples.9. Micronutrients: Importance and their estimation.10. Soil and plant test interpretation, calibration, reporting and recommendations11. Business Plan12. Financial Plan	250 Min



19 Soil & Land Resource Information System

Course Details

Courses	No. of Modules	Topics covered	Duration
Establishment of Plant and Soil Testing Laboratory	14	<ol style="list-style-type: none"> 1.Principles and instrumental techniques used in soil and plant analysis 2.Importance of Soil and plant analysis and proper method of soil and plant sampling their processing and storage. 3.Safety measures in Lab & handling and preparation of different reagents for use in soil and plant analysis 4.Determination of pH, EC and Organic Matter 5.Nitrogen estimation in soil and plant samples. 6.Phosphorus estimation in soil and plant samples. 7.Potassium estimation in soil and plant samples. 8.Sulphur estimation in soil and plant samples. 9.Micronutrients: Importance and their estimation. 10.Soil and plant test interpretation, calibration, reporting and recommendations. 11.Establishment of soil and plant testing laboratory: Logistics, economics and government schemes. 12.Soil Quality/Soil Health and its Assessment. 13.Business Plan 14.Financial Plan 	279 Min



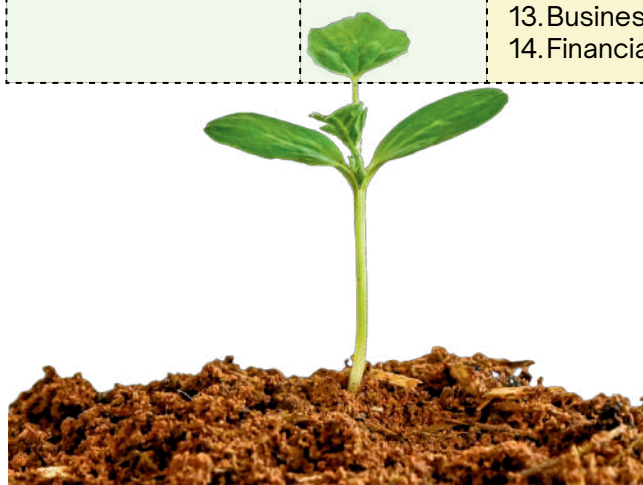
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20 Innovation Extension Approaches

Course Details

Courses	No. of Modules	Topics covered	Duration
ICT Enabling of Youth for 4th Gen Agriculture	10	<ol style="list-style-type: none">1. Definition, Importance and Advent of ICT2. Impact of ICT on the society3. ICT for Agriculture and Environment4. ICT Platforms for Commercial Business5. ICT for News and Media6. Basics of Computer7. Data processing and communication8. Applicable Software Tools9. Agriculture Price Analysis10. Handling of Audio-visual aids	166 Min



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21 Production of Designer Plants for Promotion of High Density



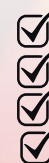
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Course Details

Courses	No. of Modules	Topics covered	Duration
Establishment of Nursery for Quality Planting Material	08	<ol style="list-style-type: none"> 1.Types & Importance of nursery in fruit production. 2.Components and Layout of nursery 3.Irrigation and Fertilization schedule and methodology for Mango Guava & Citrus 4.Multiplication techniques in Mango Guava & Citrus (Grafting/ budding etc and their aftercare) 5.Quality standards of plant material of specified crops 6.Diseases management and virus indexing for nursery/ rootstocks bank for creation of certified quality plant material. 7.Business Plan 8.Financial Plan 	194 Min
Establishment of Rootstock Bank	06	<ol style="list-style-type: none"> 1.Layout, Soil, irrigation and field preparation of specified crops 2.Fertilization schedule for mango, guava and citrus fruit crops 3.Multiplication techniques and after care in different rootstocks of specified fruit crops 4.Quality standards of rootstocks of different fruit crops 5.Business Plan 6.Financial Plan 	146 Min



21

Production of Designer Plants for Promotion of High Density

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Course Details

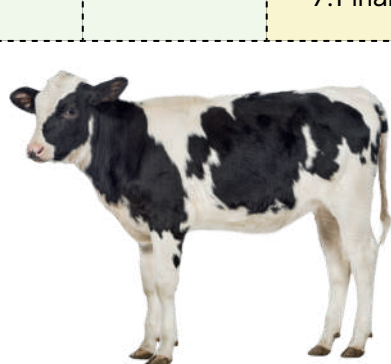
Courses	No. of Modules	Topics covered	Duration
Establishment of Motherblocks	08	<ol style="list-style-type: none"> 1. Layout, Soil, irrigation and field preparation 2. Fertilization schedule for mango, guava and citrus fruit crops 3. Canopy management in HDP orchards of specified crops (mango, guava and citrus) 4. Quality standards for purchase of plant material and budwood collection 5. Disease management of orchards 6. Pest management of orchards 7. Business Plan 8. Financial Plan 	198 Min
Rejuvenation of Old Orchards	04	<ol style="list-style-type: none"> 1. Need, time and Methodology for rejuvenation of mango orchards of different age groups. 2. Budwood collection, storage, time and varieties suitable for rejuvenation 3. Business Plan 4. Financial Plan 	86 Min
Protected Cultivation	04	<ol style="list-style-type: none"> 1. Use of protected cultivation for raising quality plant material of different fruit crops 2. Raising plant material of specified fruit crops under protected cultivation through grafting/ budding. 3. Business Plan 4. Financial Plan 	89 Min



23 Dairy Development

Course Details

Courses	No. of Modules	Topics covered	Duration
Establishment of Breed Multiplication Farms	10	<ol style="list-style-type: none"> 1. Purpose, Criteria and Benefits for Establishment of Breed Multiplication Farms 2. Dairy Cattle Breeds - Identification and Selection 3. Animal Identification & Record Keeping 4. Design and Layout of housing for different categories of livestock 5. Feeds And management of Dairy Cattle 6. Breeding Management of Dairy Cows 7. Clean Milk Production 8. Dairy Cattle Health Management 9. Business Plan 10. Financial Plan 	240 Min
Establishment of Satellite Heifer Units	07	<ol style="list-style-type: none"> 1. Satellite Heifer Unit- Introduction & Business Module 2. Dairy Heifers - Identification and Selection 3. Care & Management of calves 4. Calf and heifer feeding 5. Care and Management of heifers 6. Business Plan 7. Financial Plan 	132 Min



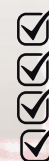
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23 Dairy Development

Course Details

Courses	No. of Modules	Topics covered	Duration
Establishment of Milk Value Added Startups	10	<ol style="list-style-type: none"> 1. Milk Plant requirements design and layout 2. Milk Processing 3. Classification of value added milk products 4. Value addition of Milk : Part I Paneer preparation 5. Value addition of Milk : Part II Khoa preparation 6. Value addition of Milk: Part III Frozen Milk Products: Kulfi and Ice cream 7. Value addition of Milk: Part IV Ghee preparation 8. Marketing of milk and milk products 9. Business Plan 10. Financial Plan 	224 Min
<div style="text-align: right; color: white; font-weight: bold; font-size: small;">NEW!</div> Refresher course for PASHU SAKHIS	04	<ol style="list-style-type: none"> 1. Balanced Nutrition and its importance 2. Nutritional requirement for different stages and age groups 3. Ration Balancing Programme 4. Clean Milk production and Milk recording 	78 Min



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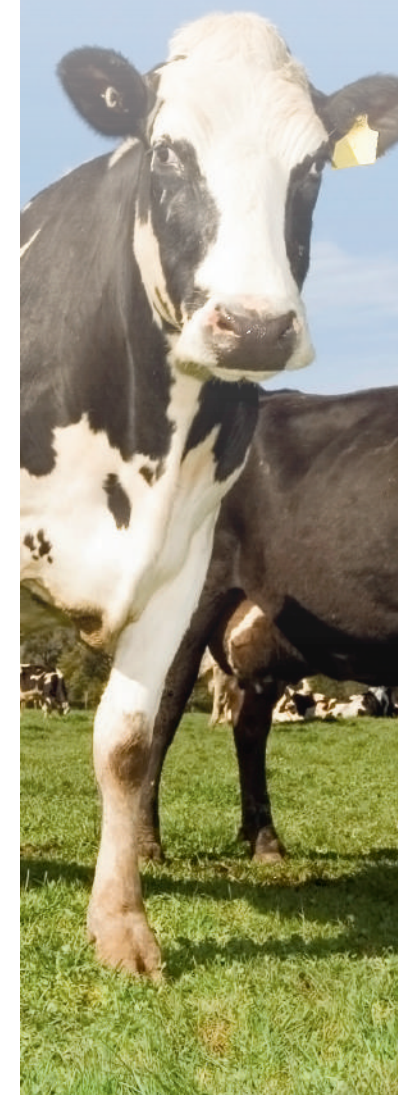


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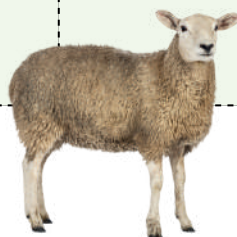
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24 Self Sufficiency in Mutton Production

Course Details

Courses	No. of Modules	Topics covered	Duration
General Sheep and Goat farming	08	<ol style="list-style-type: none"> 1.Introduction/Benefits of sheep and goat farming-Common husbandry practices-Housing and sanitation 2.Prophylaxis and Health care for profitable sheep and goat farming 3.Feeding management of different categories of sheep and goat- 4.UMMB, TMR and complete feed block, feedlotting 5.Preservation and conservation of surplus green fodders as silage and Hay. 6.Use of different Assisted reproductive technologies 7.Business Plan 8.Financial Plan 	157 Min
Establishment of Breed Based Farms	04	<ol style="list-style-type: none"> 1.Establishment of Kashmir Merino/Corriedale/FecB breed based farms in Kashmir 2.Record keeping 3.Business Plan 4.Financial Plan 	87 Min
Establishment of Commercial Farms	03	<ol style="list-style-type: none"> 1.Establishment of commercial sheep and goat farms for mutton production 2.Economics of commercial sheep and goat farms for mutton production 3.Funding opportunities/ schemes for setting of sheep/ Goat Farm 	61 Min



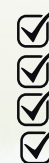
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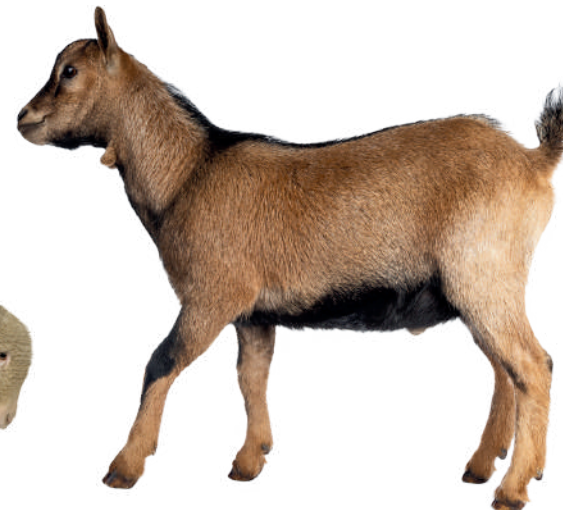
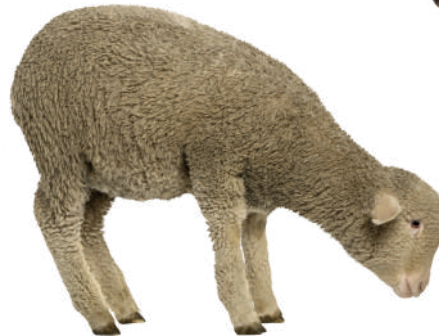
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24 Self Sufficiency in Mutton Production


Course Details


Courses	No. of Modules	Topics covered	Duration
Common Facilitation Centres	07	<ol style="list-style-type: none">1. Mutton Processing Unit2. Silage making Unit3. Total Mixed ration unit4. Fodder Block Maling Unit5. AI facility unit6. Business plan7. Financial Plan	137 Min



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25 Roadmap for Poultry development in J&K

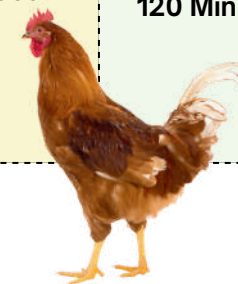


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Course Details

Courses	No. of Modules	Topics covered	Duration
Broiler Breeder Farm Cum Hatchery Management	07	<ol style="list-style-type: none"> 1. Introduction and selection of Parent stock 2. Housing, feeding and light management 3. Collection, transportation, storage, and setting/incubation of hatching eggs 4. Hatchery management 5. Establishment of feed mill 6. Funding scheme 7. Business plan 	121 Min
Poultry Feed Manufacture	06	<ol style="list-style-type: none"> 1. Introduction to poultry feed industry and requirement for establishment of feed mill 2. Procurement, selection and feed formulation 3. Processing and packaging of feed 4. Quality control of feed 5. Funding scheme 6. Business plan 	119 Min
Commercial Layer farming	08	<ol style="list-style-type: none"> 1. Introduction to layer farming 2. Site selection and housing management 3. Equipment's required in layer farming 4. Management of layers during chick, grower and laying phase 5. Medication and vaccination 6. Nutrient requirements and feed formulation for layers 7. Funding scheme 8. Business plan 	120 Min



25 Roadmap for Poultry development in J&K



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Course Details

Courses	No. of Modules	Topics covered	Duration
Mother Units for Producing Day Old Chicks for Free range and backyard Units	08	<ol style="list-style-type: none">1.Introduction and Breeds/Verities suitable for parent Stock2.Housing, feeding and light management3.Care and incubation of Hatching eggs4.Hatchery cleaning, disinfection and waste disposal5.Brooding and rearing of chicks and distribution of chicks, Vaccination, medication6.Establishment of feed mill7.Funding scheme8.Business plan	128 Min
Free Range and Horti Poultry Production	05	<ol style="list-style-type: none">1.Introduction to Free Range and Horti-Poultry2.Management of free range and horti-poultry birds3.Health care management4.Funding scheme5.Business plan	77 Min



26 Technology Intervention for Fish Seed and Trout Production in UT of JK



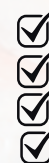
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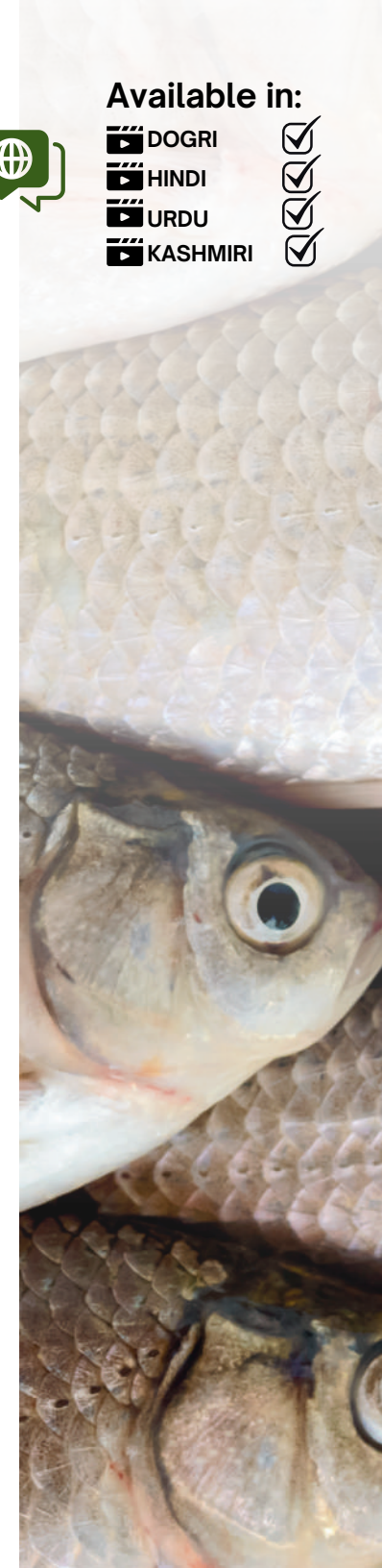
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Course Details

Courses	No. of Modules	Topics covered	Duration
Establishment of Trout Hatchery	06	<ol style="list-style-type: none"> 1.An Overview of Rainbow Trout 2.Site Selection for Trout hatchery construction 3.Hatchery Production I (Pre Fertilization) 4.Trout Hatchery Production II (Post Fertilization) 5.Business plan 6.Financial Plan 	88 Min
Establishment of Feed Mill under Trout & Carp culture	07	<ol style="list-style-type: none"> 1.Fish Feed Ingredients 2.Fish Feed Formulation (Trout/Carp) 3.Establishment of Fish Feed Mill (Trout/Carp) 4.Fish Feed Processing 5.Different Types of Feed 6.Business Plan 7.Financial Plan 	152 Min
Recirculatory Aquaculture System (RAS - Large, Medium, small & Mini)	09	<ol style="list-style-type: none"> 1.RAS and its Design 2.Components of RAS 3.Physical filtration system in RAS 4.Chemical filtration system in RAS 5.Biological filtration system and its importance 6.Different components of Biological filtration system in RAS 7.Health Management in RAS 8.Business Plan 9.Financial Plan 	152 Min



26 Technology Intervention for Fish Seed and Trout Production in UT of JK

Course Details

Courses	No. of Modules	Topics covered	Duration
Raceway Trout Culture	08	<ol style="list-style-type: none"> 1.Trout status 2.Raceway culture system 3.Transportation of Trout 4.Water quality management 5.Disease Management in Trout Culture 6.Feeding of Trout and its management 7.Brood Stock Management 8.Economics of Trout Farming 	172 Min
Carp farming in Ponds	06	<ol style="list-style-type: none"> 1.Aquaculture Systems 2.Carp Pond Management 3.Water Quality Management in Carp Culture 4.Health and Disease Management in Carp Culture 5.Business & 6.Funding Plan 	115 Min
Biofloc Fish Farming	10	<ol style="list-style-type: none"> 1.Introduction & objective of BFT training 2.Biofloc systems &its advantages 3.Working principal of BFT 4.Establishment of BFT Fish farming 5.Application of BFT & its different types. 6.Principals of BFT & Cultured fish spp 7.BFT Growth & management and water quality parameters 8.Business Plan 9.Different schemes & how to avail subsidy for BFT 10.Funding Plan 	173 Min



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26 Technology Intervention for Fish Seed and Trout Production in UT of JK

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Course Details

Courses	No. of Modules	Topics covered	Duration
Establishment of (i) Cold storage/ice plants (ii) Refrigeration Vehicles	10	<ol style="list-style-type: none">1.Introduction of Refrigeration and refrigeration systems.2.Ice plant Layout and constructions of Ice plant3.Maintenance of Ice plant4.Cold Storage Layout and constructions of Cold storage5.Maintenance of Cold storage.6.Refrigerated vehicles/insulated vehicles7.Auxiliary Equipment of refrigeration systems8.Cooling load in Ice plant and cold storage9.Business Plan10.Ice Plant/Cold storage	190 Min



27 Promotion of Wool/Pelt processing and marketing



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Course Details

Courses	No. of Modules	Topics covered	Duration
Fur and leather Processing Technology	06	<ol style="list-style-type: none">1.Pre Tanning operations2.Post Tanning Operation3.Defects and preservation of hides and skin4.Hair on tanning Operations5.Business Plan6.Financial Plan	51 Min
Wool Processing Unit	07	<ol style="list-style-type: none">1.Harvesting of wool for better returns2.Factors affecting wool quality3.Wool impurities4.Properties of wool5.Processing of wool6.Business Plan7.Funding Plan	84 Min



28 Development of Fodder Resources for UT of J&K



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Course Details

Courses	No. of Modules	Topics covered	Duration
Fodder & Feed Development Technology	08	<ol style="list-style-type: none"> 1. Disease Management in Fodder Crops 2. Fodder Production Technologies 3. Fodder Production and processing Technologies 4. Fodder cereals and legumes suitable for ecologies of Jammu & Kashmir 5. Diversifying fodder cultivation in Jammu & Kashmir from annuals to perennials 6. Production of Nutritionally enriched feed and fodder 7. Business Plan 8. Financial Plan 	155 Min
Hydroponic for Fodder Production	05	<ol style="list-style-type: none"> 1. Overview of Global and Indian scenario of hydroponics fodder production. 2. Different Methods for sustainable way of green hydroponics fodder production. 3. Steps for designing a successful hydroponics 4. Business Plan 5. Financial Plan 	128 Min
Fodder Processing Units NEW!	03	<ol style="list-style-type: none"> 1. Fodder Processing Unit 2. Financial Plan 3. Business Plan 	40 Min



28 Development of Fodder Resources for UT of J&K

Course Details

Courses	No. of Modules	Topics covered	Duration
Fodder Production in orchards	03	1.Fodder Production in orchads 2.Financial Plan 3.Business Plan	44 Min



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