

Department of Agriculture Research and Education

1. Crop Science (CS)

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2022-23			OUTCOMES 2022-23			
	2022-23	Output	Indicators	Targets 2022-23	Outcome	Indicators	Targets 2022-23
526.08	1.	Entries tested in AICRP multilocation trials	1.1 Total number of new entries tested in AICRP multi-location trials	4,200	1. Expected improvement in potential productivity of crops	1.1 Percent increase in yield potential	2.6
	2.	Varieties identified by AICRP multi-location trials	2.1 Total number of varieties identified by AICRP Varietal Identification Committees for release	120		2. Enhanced adoption of farming techniques under crop science schemes	2.1 Percent farmers adopting to new technologies demonstrated to them
	3.	Breeder seed produced	3.1. Total quantity of breeder seed produced (quintals)	1,00,000			
	4.	Trainings organized	4.1. Total number of trainings organized for farmers, scientists, technical, supporting staff, extension agencies	350			
	5.	Human resource development	5.1. Total number of Master's and Doctoral Degrees awarded	240			
	6.	No. of publications	6.1. Total number of publications	400			

Department of Agriculture Research and Education

1. Agricultural Extension (CS)

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2022-23			OUTCOMES 2022-23			
	2022-23	Output	Indicators	Targets 2022-23	Outcome	Indicators	Targets 2022-23
243.72	1.	Training of farmers and extension personnel for creating awareness on upcoming technologies	1.1. Number of farmers, farm women and extension personnel trained by KVKs (In lakh)	16.20	1. Greater adoption of agro-ecosystem specific relevant technologies for farmer-centric growth	1.1. Adoption rate of new technologies (%)	10%
	2.	On-farm testing and Frontline demonstration to identify the location specificity and to establish the production potential of improved agricultural technologies	2.1. No. of on-farm trials and frontline demonstrations conducted by KVKs	32,000			
			2.2. No. of frontline demonstrations conducted by KVKs	1,70,000			
	3.	Enhanced production of seeds	3.1. Quantity of seeds produced (Tons)	16,000			
4.	Enhanced	4.1. 1.No. of planting	250				

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2022-23			OUTCOMES 2022-23			
	2022-23	Output	Indicators	Targets 2022-23	Outcome	Indicators	Targets 2022-23
		production of planting materials	materials produced (In lakh)				

2. Agricultural Engineering (CS)

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2022-23			OUTCOMES 2022-23			
	2022-23	Output	Indicators	Targets 2022-23	Outcome	Indicators	Targets 2022-23
48.30	1.	Development/refinement of technologies/machines for farm mechanization; process protocols/products for processing and value addition of agro-produce	1.1. No. of new technology/Machines/process protocols/ value added products developed	25	1. Enhanced level of farm mechanization and agro-produce processing	1.1. Expected increase in input use efficiency and agro-processing (%)	1.5%
	2.	Front line demonstration of the newly	2.1 No. of front-line demonstrations of newly developed prototypes	27			

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2022-23			OUTCOMES 2022-23			
	2022-23	Output	Indicators	Targets 2022-23	Outcome	Indicators	Targets 2022-23
		developed/ improved prototypes.					
	3.	Training of the farmers and entrepreneurs for for custom hiring, testing of farm & processing machines and samples	3.1. Farmers/ entrepreneurs trained	400			
			3.2. Machines/ samples tested (nos.)	25			

3. Natural Resource Management +NICRA (CS)

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2022-23			OUTCOMES 2022-23			
	2022-23	Output	Indicators	Targets 2022-23	Outcome	Indicators	Targets 2022-23
185.77	1.	Soil inventory and characterization	1.1. Total Number of Block level land resource inventory developed	9	1. Productivity gains due to efficient and cost-effective management of natural resources	1.1. Percentage increase in crop productivity over previous year	2.5

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2022-23			OUTCOMES 2022-23			
	2022-23	Output	Indicators	Targets 2022-23	Outcome	Indicators	Targets 2022-23
	2.	Testing of soil and water conservation measures for supplementary irrigation	2.1. Total number of soil & water conservation technologies developed	6		1.2. Percentage increase in cropping intensity over the previous year	2.5
	3.	Development of system based farm production technologies	3.1. Total number of system-based farm production technologies developed	14			
	4.	Development of organic farming packages	4.1. Total number of organic farming packages of practices developed	5			
	5.	Development and demonstrations of climate resilient technologies	5.1. Total number of climate resilient technologies developed and demonstrated	6			
	6.	Development of technologies for managing soil health	6.1. Number of technologies developed on managing soil health	6			
	7.	Design and development of technologies for irrigation	7.1. Number of technologies developed for irrigation water	5			

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2022-23			OUTCOMES 2022-23			
	2022-23	Output	Indicators	Targets 2022-23	Outcome	Indicators	Targets 2022-23
	water management	management					

4. Horticulture Science (CS)

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2022-23			OUTCOMES 2022-23		
	2022-23	Output	Indicators	Targets 2022-23	Outcome	Indicators
157.53	1. Collection of germplasm	1. Germplasm accessions for breeding of new varieties (No.)	800	1. Increase in potential production and productivity of fruits and vegetables	1.1. Increase in potential productivity of component horticultural crops (%)	1
	2. Identification & Release of varieties/hybrids	2. Improved varieties identified/released for higher productivity/resource use efficiency (No.)	40		1.2. Enhanced potential gross production of horticultural crops (%)	1
	3. Standardization of technologies (production /protection/ post-harvest handling/ processing/ value addition/process/	3. Technologies standardized for higher productivity (No.)	120	2. Introduction of new varieties of horticultural crops	2.1 Increase in potential area covered under new varieties of horticultural crops (%)	1

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2022-23			OUTCOMES 2022-23			
	2022-23	Output	Indicators	Targets 2022-23	Outcome	Indicators	Target
		kit) for enhanced productivity					
	4.	Training and capacity building of stakeholders	4.1. Trainings and capacity building programs conducted for farmers/ stakeholders (No.)	225	3. Reduced potential crop losses due to improved varieties breeder seeds	3.1. Reduction in potential crop losses due to development of trait specific improved varieties and management techniques of horticultural crop	2
	5.	Field demonstration of technologies	5.1. Field demonstrations conducted for Dissemination of technologies to stakeholders (No.)	300			
	6.	Production of improved seed/spawn and plants	6.1. Improved seed, spawn, plants made available for enhanced productivity Breeder /truthfully labeled seeds of vegetables, spices etc (quintal)	100			
			6.2. Breeder seed of tuber crops (potato, tropical tuber crops, perennial spices) etc. (metric tons)	2,450			
			6.3. Rooted cuttings (lakhs)	12			
			6.4. Plants of perennial	15			

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2022-23			OUTCOMES 2022-23			
	2022-23	Output	Indicators	Targets 2022-23	Outcome	Indicators	Target
		Horticultural Crops (lakh)					
		6.5. Mushroom spawn (q)	600				

5. National Agricultural Science Fund (CS)

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2022-23			OUTCOMES 2022-23			
	2022-23	Output	Indicators	Targets 2022-23	Outcome	Indicators	Targets 2022-23
35.67	1.	Publications	1.1. No of publications	60	1. Better research facilities to increase high rated publications, patents and technologies	1.1. % of high impact publication from the total no. of publication	50%
	2.	Patents/copyrights	2.1. No. of patents/ copyrights filed/granted	3			
	3.	Technologies developed	3.1. No of technologies developed	10			

6. Animal Science (CS)

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2022-23			OUTCOMES 2022-23			
	2022-23	Output	Indicators	Targets 2022-23	Outcome	Indicators	Targets 2022-23
224.41	1.	Evaluation, and	1.1 Number of genetic	11	1. Overall increase	1.1. Percent	1

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2022-23			OUTCOMES 2022-23			
	2022-23	Output	Indicators	Targets 2022-23	Outcome	Indicators	Targets 2022-23
		characterization of genetic resources	resources characterized		in productivity of livestock and poultry sectors in the project areas	increase in milk productivity of cattle and buffaloes	
	2.	Production of quality germplasms (semen doses, piglets and poultry)	2.1. Number of germplasms produced	1500000		1.2. Percent increase in egg production of layers and body weight in broiler poultry as well as sheep and goat (small ruminants).	2.5
	3.	Development of genetic markers and diagnostic kits for diseases, adulterants / environmental pollutants, and new value added products / processes (milk, meat, egg, fibre)	3.1. Number of genetic markers, diagnostic kits and new value-added products / processes developed	39			
	4.	Sero-surveillance, sero monitoring and testing of	4.1. Number of samples tested	350000			

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2022-23			OUTCOMES 2022-23			
	2022-23	Output	Indicators	Targets 2022-23	Outcome	Indicators	Targets 2022-23
		samples for important diseases of livestock and poultry					
	5.	Stakeholders trained	5.1. Number of stakeholders trained	15000			

7. Fisheries Science (CS)

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2022-23			OUTCOMES 2022-23			
	2022-23	Output	Indicators	Targets 2022-23	Outcome	Indicators	Targets 2022-23
118.89	1.	Development of fish breeding technologies	1.1. No. of breeding technologies developed	5	1. Enhanced fish production	1.1. Percentage (%) increase in fish production	6
	2.	Development of fisheries & aquaculture products	2.1. Nos. of process/products/technologies developed	25			
	3.	Technology transfer on fisheries and aquaculture through de	3.1. No. of demonstrations of fisheries and aquaculture technologies conducted	50			
			3.2. No. of	10000			

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2022-23			OUTCOMES 2022-23			
	2022-23	Output	Indicators	Targets 2022-23	Outcome	Indicators	Targets 2022-23
			stakeholders trained				

8. National Agricultural Higher Education Project (NAHEP) (CS)

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2022-23			OUTCOMES 2022-23		
	2022-23	Output	Indicators	Targets 2022-23	Outcome	Indicators
167.18	1. Increase in education facilities, courses and trainings to facilitate knowledge upgradation	1.1. International trainings undertaken for students	110	1. Improvement in student and faculty	1.1. Percentage increase in AU on time graduation rate over previous year	2 %
		1.2. Industry seminars and professional workshops conducted	210		1.2. Percentage increase in student placement rates	2%
		1.3. New pilot courses added/ upgraded	10	2. Reduced student and faculty inbreeding	2.1 Reduced student inbreeding (% increase in AU students admitted from other states)	4%

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2022-23			OUTCOMES 2022-23		
	2022-23	Output	Indicators	Targets 2022-23	Outcome	Indicators
		1.4. New facilitative units established to enable academic and research infrastructure	18	3. Increased faculty research effectiveness	2.2. Reduced faculty inbreeding (% faculties with HE degrees from more than one university and more than one state)	4%
		1.5. National and international trainings undertaken for faculty upgradation	215		3.1. Percentage increase in faculty research effectiveness	2%
	2. Promotion of research and technology transfer initiatives	2.1. Number of MoUs signed with industry	35		3.2. Number of students and faculties directly benefitted	20000

9. Agriculture Education +ESM (CS)

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2022-23			OUTCOMES 2022-23		
	2022-23	Output	Indicators	Targets 2022-23	Outcome	Indicators

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2022-23			OUTCOMES 2022-23				
	2022-23	Output	Indicators	Targets 2022- 23	Outcome	Indicators	Targets 2022- 23	
288.28	1.	State universities financially supported for creation of amenities	1.1. Number of SAUs supported	58	1.	Attracting talented students towards higher agricultural education (UG students)	1.1. Percent change in number of students enrolled in AUs over previous	10%
			1.2. Number of Hostels, Examination Halls, Radio Stations, Smart Class rooms, sports facilities created	50			2.1. Percentage of high impact factor publications from total number of publications (NAAS impact factor 6 and above)	5%
	2.	Capacity building programs organized /conducted	2.1. Number of training programs	250	3.	Skills and Entrepreneurship/self-employment among UG student	3.1. Percent change in students taking up Entrepreneurship/employ ability (% increase over last year)	2%
			2.2. Number of faculty trained	16000				
	3.	Technology/processes/Models/policies/other tools etc. developed	3.1. No. of technology/processes/Models/policies/other to	14				
	4.	Skill and entrepreneurship development through READY Program	4.1. Number of students trained	16000				