

Directorate name	Project name	Project period		Project coordinator	Finance amount	Place of implementation	The target
		From	To				
Directorate of Water and Soil Research	The effect of agricultural practices on soil characteristics and groundwater quality for 3 years.	2022	2024	D. Fatima Bani Khalid		Eastern Badia	The second phase began, and soil and water samples were taken from the targeted farms and tests were conducted on them.
	Effect of potassium application on pearl millet yield under saline conditions.	2022	2024	Eng. Ayat Al elimat	7500 J.Ds	Deir Alla center/ Deir Alla station/ Al Khaldiah station	A projected 30% increase in the production of millet, 30% reduction in salinity in the soil.
	The effect of different levels of potassium on the production and growth of grape corp.	2022	2024	Hamzeh Rawashdeh	11300 J.Ds	Irbid/ Ajloun Al Ramtha	Increasing the production of Red Globe grapes, the projected production increase is 15%, and the fruit size of the grape crop is 15-20%.
Directorate of Environment and Climate Change Research	A GIS-RS-UAV approach for identifying potential sites for harvesting rainwater in the Northern Jordanain's Badia			D. Sahl Al Batayneh	5700 J.Ds	Eastern Badya	The model of water harvest
	Publishing carob farming in Jordan using modeling and WaPOR platform			D. Jafar Al Wedyan		Jordan	
	Digital			Eng. Lubna		The kingdom	

	Certification Platform for Cereals			Al Mahasneh			
	Improve the Livelihoods in Arid Areas Through Food Processing and Development of Protocols for In Vitro Propagation of the Caper Plant in Jordan	2021	2023	D. Eyad Msalm	23700	NARC	Improve effective ways to propagate karira plant to exploit it in the development of rangeland in Jordanian Badya.
	Developing effective methods for propagation Caper (Capparis sp.) to exploit it in the development of rangeland in the Jordanian Badia	2021	2023	D. Eyad Msalm	24800	NARC	Propagation of desert caper and develop protocols for tissue culture propagation and seed propagation
	in vitro propagation of turmeric (curcuma ceratonia) and carob(Ceratonia silique)	2024	Awaiting approval	Eng. Arabya Arabyat. D. Eyad Mslam Eng. Suha Al Masri		NARC	
	Propagation of doum palm through plant tissue culture	2024	Awaiting approval	D. Duaa Abu Darweesh		NARC	
	Comparing the gene expression of two input of durum wheat under Water Deficit conditions	2022	2024	Eng. Abeer Abu Rumman	10000	NARC and University of Jordan	Extract the genes responsible
Directorate of	Studying the			D. Ayman	7000	NARC	

Laboratories	effect of Nanoparticles of urea on wheat under drought conditions.			Ayesh	J.Ds		
Directorate of Rangeland Research	National Wheat Breeding Project	1959	Ongoing	D. Amal Alkhateeb	8000 almost	Maru station Mshaqar and Rabba station	Promoting good varieties of wheat that exceed 10% over the local take in case of productivity
	National Barley Breeding Program	1959	Ongoing	D. Nawal Al Hajjaj	6000	Al Ramtha, Al Mshaqar, and Al Ghoyer.	Promoting good varieties of barley that exceed 10% over the local take in case of productivity
	Participatory barley and wheat breeding			D. Nawal Al Hajjaj		Al Khanasri, Ramtha, Maru, Dhiban , Al Rabba, Al Ghoyer	Implemented in farmers fields
	Participatory barley breeding project.			Eng. Duaa Al Majali	6000	Al Rabba, Al Mshaqar, Maru.	Promoting good varieties of lentils and chickpeas that exceed 10% over the local take in case of productivity
	Multiplication of seeds	2016	Ongoing	Eng. Awadh Al Ka'abneh	300000	Across the kingdom	Contract with farmers to produce certified seed. - Receive 200 ton of basic seeds and 3000 ton of certified seed of barley and wheat crops.
	Physiological and agronomic responses of sesame to foliar	2024		D. Abdullah Al Dahdheh	3000	Maru	

	fertilizer by boron application under supplementary irrigation						
	Developing degradable organic pots from agriculture residue to conserve environment, increase success and nourishing trees transplant in permanent field.	2023	2024	Muhammad Alabdullah	2000	Al Khalidyah	
	Project of hybridization of national wheat and barley.	2022	Ongoing	D. Nawal Alhajjaj	2000 form ACSAD	Al Mshaqar station	The number of the variety that yield more than the local take.
	Evolutionary population	2008	Ongoing		300000	In farmers' fields in Ramtha Maru, Madaba, Al Ghouyer, and Al Rabba	Genetic groups, Coming up with climate change-tolerant genetic groups, and providing other breeding programs with inputs from wheat and barley.
	Project of mutation breeding for wheat and barley.	2009	Ongoing		Depends on technical needs	Al Mshaqar station and Al Ghouyer station	Number of variety that is heat tolerant, and number of good wheat quality for food processing
Directorate of Livestock Research	Improve local breeds of Dihawe goat	2022	2022	Sami Awabdeh	40800		
	Studying different energy			D. Ahmad Khresat	6500	Deir Alla center	Distributing fishes on

	sources in the biofloc system and its effect on the growth of Nile tilapia.						ponds and determine the quantities on forage every time, take daily and weekly measures based on the required measurements
	Utilization Of Agriculture Irrigation Pond for Fish Culture in Jordan			D. Ahmad Khresat	15000	Ghour Al Safi Station	Spawning Nile talipia and Carp fishes, distribute the fishes on the farmers and monitor it and write technical report.
	Evaluation Of the Effect of Nutrient Input Levels on Fish Productivity and Water Quality in Recirculating Aquaponic Systems			D. Ahmad Khresat	5200	Al Hussain Agricultural Research Center	
	camel genome			D. Muhammad Al Arayesh	7000	The entire kingdom	The first phase: collect 90 samples to isolate the DNA. The second phase collect 200 samples inspection and analysis purposes, and take measurements for 200 targeted camels.
Directorate of Horticultural Research	Cultivate palm trees in saline areas.	2023	open	Raed Lutfey	None	Al Khalidya/ Ghour Al Safi	
	Control	2023	2025	Amro	5000		

	cochineal insect on cactus.			Mhasneh			
	Assess different ways for organic fertilizer applications to improve the sustainability of palm tree in Jordan	2023	2025	Raed Lutfey	8000	Al Karama and Wadi Araba	
	Evaluation of different methods of vegetative propagation on guava (Psidium guajava L.) cultivars in Jordan	2022	2023	Raed Lutfey	4000		
	Evaluation of different methods of organic fertilizers applications to improve the sustainability of date palm production in Jordan.	2022	2023	Raed Lutfey	8000		
	Preserving the perennial Mehras olive trees	2022	2023	Yehya Abu Sini	50377.5	Ajloun/ Irbid/ Tafila	
	New Vegetable varieties control lines			D. Manar Al Talhuni	2000	Deir Alla/ Al Karama/ Al Rabba.	Finishing the readings of Al-Karama and Ghor Al-Safi, and cultivating the new varieties in Al Rabba and start taking readings.
	The Study of Four fertilizer mixes on cherry tomatoes			Eqab Awamleh, Haytham Hamdan, Yusef Al Khawaldeh, Saad Al Awamleh			

<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;"> <p>Directorate of Biodiversity Research</p> </div>	Effect of Ethephon application on the qualitative and quantitative characteristics Date Palm fruits (Phoenix dactylifera. L) c.v Majhul.			Eng. Eyad Alabdulrazza g	2000	Al Karama Agricultural Station	
	The Study of the Effect of Applying Ethephon on the Quality of Date Palm after Harvest of Medjoul Under Cold Storage Conditions			Eng. Eyad Alabdulrazza g	1000	Al Karama Agricultural Station	
	Characterization , Evaluation and Regeneration of the Local Landraces of Prioritized Plants in the National Seed Bank of Jordan under Summer Cultivation Conditions.	2023	2025	D. Khaldoun Al Sane'	3000	The research stations of Maru, Deir Alla, Al Shobak, including two crops of the farmers in Al Balqaa and Amman.	80%
	Conservation and Promoting the Use of Vegetable Crop Wild Relatives Native to Jordan.	2022	2023	D. Khalid Abu Layla	12000	Labs of the Directorate of Biodiversity Research at NARC	38 species have been collected and 60 natural habitat have been covered.
	Evaluating Vegetation Biomass Rehabilitation in a Steppe Rangeland Reserve in Northern Jordan using ESA's Sentinel-2 MSI and WorldView-	2021	2023	Nizar Obaidat	18855		

<div style="border: 1px solid black; padding: 5px; margin-bottom: 10px; width: fit-content;"> <p style="text-align: center;">Directorate of Biodiversity Research</p> </div> <div style="border: 1px solid black; padding: 5px; width: fit-content;"> <p style="text-align: center;">Directorate of plant protection research</p> </div>	2 Data						
	The Use of Fish Farming Water To Produce Cut Flowers	2019	2023	Rasha Amarin	5500		Stopped
	Assessment of the Impact of Fire on Forest Diversity Using Point Central Quarter Method and Geographical Information Systems in Jordan.	2023	2025	D. Basheer Al Qaderi	3000	Dibbeen Forest Reserve	10%
	Conservation and Characterization of chickpeas (Cicer sp.) local germplasm under different saline conditions	2020	2023	Eng. Heba Al Mnwar	5000	NARC	
	Introduction of promising wild plant species native to Jordan into cultivation for ornamental purposes.	2016	2023	Eng. Nuha Al Sakarneh	4000	NARC	1- A field bank was established in the center's garden. 2- 1000 seeds have been collected from the propagation result.
	Evaluating Vegetation Biomass Rehabilitation in a Steppe Rangeland Reserve in Northern Jordan using ESA Sentinel-2 MSI and WorldView-2 Data	2021	2023	D. Rana Jawarneh/ Yarmouk university Nizar Obaidat	18855	Al Khanasri pastoral reserve	
	Studying control	2023	2024	D. Hanna	14000	Southern areas	

<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: auto;"> <p>Directorate of bee research</p> </div>	of housefly using baiting traps and chemical control.			Mdanat		as Ghour Al Safi, Research station of animal production in faculty of Agricultural in Mu'tah university, Al Musharief Goat Station in Al Karak governorate	
	Appraisal the Efficacy of certain Chemical and Biorational Insecticides, against The prickly pear Cochineal and detection of its residues in Cactus fruits	2023	2024	Amro Mahasneh/ Muhammad Twaia'a	5000	Ajloun, Jerash, Mafraq, and NARC	Assess the effectiveness of 9 natural and chemical resources in Balela and Amama in Jerash, and cultivating cactus varieties and spreading infections under greenhouse conditions. And carrying out a number of visits to monitor the spread of the infection.
	Trapping Survey And Behavioral Manipulation Methods within the early detection Program For Ambrosia Beetles Within The Lands Of the Hashemite Kingdom of Jordan.	2023	2027	Amro Mahasneh/ Israa Salem/ Nizar Obaidat, Basheer Al Qaderi/ Adel Al Abed	4700	Ajloun, Jerash, Irbid, Al Balqaa, NARC	Monitor and survey the geographical spread of Ambrosia beetle.
	Evaluation of garlic extract for controlling root knot nematode	2021	2024	Eng. Yehya Da'na		Deir Alla Agricultural Research Center	An experiment was conducted to prepare the extract and an

							experiment to evaluate the effectiveness and stability of the extract.
	Developing Beekeeping in Jordan	2000	Ongoing	Eng. Banan Al Shqour		The entire Kingdom	
	Viral bee Disease Spread in the Middle East And its Relation to Bee Disappearing (CCD)			Eng. Banan Al Shqour		The entire Kingdom	
	Developing Local Breeds (Producing Bee Queens with Good Qualities From the Local Breed by Creating Specialized Apiary.)	2022	2024	Eng. Banan Al Shqour	13000	Maru Agricultural Station And Al Khanasire Agricultural Station	
	Developing the local breed. (Evaluation of the use of local wild plant extracts in the treatment of Varroa mites)	2022	2024	Eng. Banan Al Shqour	12000	Maru Agricultural Station	