

ACTION PLAN 2020-2022 FOR THE IMPLEMENTATION OF THE STRATEGY OF THE MAIN DIRECTIONS ENSURING ECONOMIC DEVELOPMENT IN AGRICULTURAL SECTOR OF THE REPUBLIC OF ARMENIA FOR 2020-2030

P1-M1									
M 1. Develop geographical digitalized maps of agricultural lands									
	Activities			2019	2020	2021	2022		
M1-1	TOR for Feasibility Study			-	25 000 000	-	-		
M1-2	Elaborate technical task(s)			-	150 500 000	1 504 500 000	-		
M1-3	Develop digital interactive maps of agricultural lands			-	176 000 000	-	1 584 000 000		
M1-4	Identification of the abandon land and vineyards by satellites			-	32 000 000	-	-		
TOTAL Funding, AMD				-	383 500 000	1 504 500 000	1 584 000 000		
Responsible					Cooperation/Support				
Ministry of Economy									
TOTAL Funding, AMD		COST STRUCTURE BY SOURCE				Cost allocation timeline			
		Government	Donor	Private	Other (iRFF funds)	%, 2019,	%, 2020	%, 2021	%, 2022
3 472 000 000		100%	0%	0%	0%	0%	11%	43%	46%
Expected Outputs			Key Indicators / Values						
Minimalizing of border disputes between neighboring communities, citizens and legal entities									

Correction of cadastral maps of communities	Corrected cadastral maps: 25% (100% by 2029)
Collect data's on agricultural land use status, land cover transformation, perennials and irrigated lands	Elimination of barriers to state registration of rights by 95%



P1-M2									
M 2. Establish and implement land consolidation legislation and programme									
	Activities			2019	2020	2021	2022		
M2-1	Development of a Concept on the Land Committee Structure and Functions Based on International Best Practice			1 000 000	-	-	-		
M2-2	Development of a Draft Law regulating the action of the Land Committee			-	500 000	-	-		
M2-3	Elaborating of digital system to promote the activity of Land Committee			-	1 000 000	-	-		
M2-4	Implementing of Pilot Project of Land Committee in Armavir region			-	2 000 000	-	-		
	TOTAL Funding, AMD			1 000 000	3 500 000	-	-		
	Responsible			Cooperation/Support					
	Ministry of Economy								
	TOTAL Funding, AMD	Cost allocation			Cost allocation timeline				
		Government	Donor	Private	Other (iRFF funds)	%, 2019,	%, 2020	%, 2021	%, 2022
	4 500 000	50%	50%	0%	0%	22%	78%	0%	0%

Expected Outputs	Key Indicators / Values			
Accurate information on registered land				
Regulation of Land Committee legislative field	1 new law and amendments to other legal 4 acts related thereto			
Establishment of Agricultural Land Digital Information System				
Promotion and Development of Land Rental Market	200 Newly Leased Land Agreements by Land Committee			

P1-M3										
M3 Establish agricultural credit guarantee fund and develop capacities										
Actions										
2019,										
2020										
2021										
2022										
M3-1	Feasibility study and Concept note on the foundation and operation of the Guarantee Fund for agricultural loans				-	3 000 000		-	-	
M3-2	Elaboration of relative normative and regulatory framework				-	500 000		-	-	
M3-3	Baseline survey regarding the social economic condition of the beneficiaries				-	-		3 000 000		3 000 000
TOTAL COSTS, AMD					-	3 500 000		3 000 000		3 000 000
Responsible position/person										
In collaboration /with the support of:										
Ministry of Economy										
TOTAL COST STRUCTURE BY SOURCE										
Cost allocation timeline										
TOTAL Funding, AMD										
Government										
Donor										
Private										
Other (iRFF funds)										
%, 2019,										
%, 2020										
%, 2021										
%, 2022										
9 500 000										
0%										
0%										
0%										
100%										
0%										
37%										
32%										
32%										

Expected Outputs	Key Indicators / Values
Improved availability and access to agricultural loans	1. 15 % increase in the number of agricultural loan beneficiaries in 2022 vs 2020 2. Improved social-economic conditions of the beneficiaries as per the outcome surveys carried out in 2021 and 2022
Mitigation and containment of credit risks of the Participating financing institutions	1.Mitigation and improvement of credit/collateral policy 2.Increased effectiveness of loan portfolio management 3.Increased interest in financing agricultural loans by the participating financing institutions

P1-M4											
M4. Introduce agricultural insurance system											
Actions				2019,		2020		2021		2022	
M4-1	To Sale insurance products (planned in 6 marzes of RA: Ararat, Armavir, Aragatsotn, Kotayk, Vayots Dzor and Tavush, insure 2 crops: apricots and grapes, 3 risks: hail and fire, spring frost) and signing of contracts			250 002 188		-		-		-	
M4-2	To Sale insurance products (planned in 6 marzes of RA: Ararat, Armavir, Aragatsotn, Kotayk, Vayots Dzor and Tavush, insure 5 crops: apricot, grape, peach, apple and cereal 3 risks: hail and fire, spring frost) and signing of contracts			-		712 335 000		986 310 000		1 369 875 000	
TOTAL COSTS, AMD				250 002 188		712 335 000		986 310 000		1 369 875 000	
Responsible position/person				In collaboration /with the support of:							
Ministry of Economy											
TOTAL Funding, AMD		COST STRUCTURE BY SOURCE				Cost allocation timeline					
		Government	Donor	Private		Other (iRFF funds)	%, 2019,	%, 2020		2021%	

	3 318 522 188	50%	50%	0%	0%	8%	21%	30%	41%
	Expected result	Key Indicators / Values:							
M4-1	To create of preconditions for full implementation of agricultural insurance in the Republic of Armenia	Over 30,000 hectares of land covered by hail and fire, risks of spring frost							
M4-2	Stabilization of the incomes of the entrepreneurs in agriculture								
M4-3	To create database								

P1-M5					
M5. Develop and implement an effective anti-hail system					
	Actions	2019	2020	2021	2022
M5-1	Formation of a responsible team for hail protection systems		2 000 000	-	-
M5-2	Feasibility analysis of hail protection systems		3 000 000	-	-
M5-3	Selection of system specific to RA		3 000 000	-	-
M5-4	Identification and selection of the most dangerous areas to hail of agricultural significance in the RA	-	-	1 500 000	-
M5-5	Implementation of hail protection system center, technological armament of the center	-	45 100 000	-	-
M5-6	Formation, teaching and training of the Hail protection system management team	-	-	-	-
M5-7	Implementation and launching hail protection systems	-	1 900 000 000	2 707 500 000	-
	TOTAL COSTS, AMD	-	1 953 100 000	2 709 000 000	-

	Responsible position/person			In collaboration /with the support of:					
	Ministry of Economy								
	TOTAL Funding, AMD	COST STRUCTURE BY SOURCE			Cost allocation timeline				
		<i>Government</i>	<i>Donor</i>	<i>Private</i>	<i>Other (iRFF funds)</i>	<i>%, 2019,</i>	<i>%, 2020</i>	<i>2021%</i>	<i>2022%</i>
	4 662 100 000	30%	70%	0%	0%	0%	42%	58%	0%
	Expected result		Key Indicators / Values:						
M5-1	Relevant Specialists								
M5-2	System Overview								
M5-3	Selected system		1. Database 2. 90% protection against hail risk in selected areas of RA						
M5-4	Selected areas of application of the system								
M5-5	System Management Center								
M5-6	80 trained specialists								
M5-7	Availability of hail protection system								
	P1-M6								
	M 6. Develop sector analysis for high priority agricultural value chains								
	Actions				2019,	2020	2021	2022	

M6-1	Selection of priority value chains to be analysed	-	1 000 000	-	-
M6-2	Development of the ToR and selection of the team of experts and methodology	-	3 000 000	3 000 000	-
M6-3	Competition for Selection of a Consulting Firm	-	500 000	500 000	-
M6-4	Performing the analysis, discussing the initial findings and presenting gaps and recommendations	-	9 000 000	9 000 000	-
TOTAL COSTS, AMD		-	13 500 000	12 500 000	-

Responsible position/person				In collaboration /with the support of:				
Ministry of Economy								
TOTAL Funding, AMD	COST STRUCTURE BY SOURCE			Cost allocation timeline				
	<i>Government</i>	<i>Donor</i>	<i>Private</i>	<i>Other (iRFF funds)</i>	<i>%, 2019,</i>	<i>%, 2020</i>	<i>%, 2021</i>	<i>%, 2022</i>
26 000 000	20%	80%	0%	0%	0%	52%	48%	0%
Expected result		Key indicators/values						
Reports of Value Chain Analysis								

P1-M7					
M 7. Initiate the change in law for leasing of agricultural machinery					
	Actions	2019	2020	2021	2022
M7-1	Study of international experience	-	500 000	-	-
M7-2	Identification of issues not covered by the legislation in the field of financial leasing	-	500 000	-	-

M7-3	Assessment of the impact of legislative gaps on the results of financial leasing of agricultural machinery					-	1 000 000	-	-
M7-4	Stakeholder Meetings and Discussions					-	-	-	-
M7-5	Development of the Draft based on research and recommendations					-	-	1 000 000	-
M7-6	Assessment of impact regulation					-	-	-	-
M7-7	Submission of the Draft the RA Government					-	-	-	-
	TOTAL COSTS, AMD					-	2 000 000	1 000 000	-
	Responsible position/person	In collaboration/with the support of							
	Ministry of Economy								
	TOTAL Funding, AMD	COST STRUCTURE BY SOURCE				Cost allocation timeline			
		Government	Donor	Private	Other	%, 2019	%, 2020,	%, 2021	%, 2022
	3 000 000	0%	100%	0%	0%	0%	67%	33%	0%
	Expected result	Key Indicators / Values							
	Draft developed	Upon entry into force of the law, renewal of the machinery park by 3-5% annually							
	Impact regulation assessment								
	Draft approved by the RA Government								
	Law availability								

P1-M8**M 8. Improve seed and planting material certification system**

<i>Actions</i>		<i>2019</i>	<i>2020</i>	<i>2021</i>	<i>2022</i>
M8-1	Increased control over the production, import and sale of seeds and planting material /perennials, berries, seedlings/	-	300 000	-	-
M8-2	Calculate, register entities engaged in the production of seeds and seedlings of vegetable crops	-	300 000	-	-
M8-3	Develop legislation regulating planting material certification	-	15 300 000	25 300 000	300 000
TOTAL COSTS, AMD		-	15 900 000	25 300 000	300 000

Responsible position/person

Ministry of Economy

In collaboration / with the support of:

FAO

TOTAL**COST STRUCTURE BY SOURCE****Cost allocation timeline****Funding, AMD***Government**Donor**Private**Other**%, 2019,**%, 2020**%, 2021**%, 2022***41 500 000**

20%

80%

0%

0%

0%

38%

61%

1%

Expected result

export of planting material /perennials and vegetable seedlings/

Key Indicators / Values:

adoption of a Legal Act

P1-M9**M-9 Support establishment of poultry, sheep, pig, cattle pedigree breeding farms**

<i>Actions</i>		<i>2019</i>	<i>2020</i>	<i>2021</i>	<i>2022</i>			
M9-1	Implementation of awareness and advisory activities	-	-	-	-			
M9-2	Involvement of financial resources necessary for the establishment of cattle pedigree breeding farms	-	-	-	-			
M9-3	Design and calculation task of cattle pedigree breeding farms	-	5 000 000	-	-			
M9-4	Quality assurance of production process	-	6 000 000	4 800 000	3 000 000			
TOTAL COSTS, AMD		-	11 000 000	4 800 000	3 000 000			
Responsible position/person		In collaboration /with the support of:						
Ministry of Economy								
TOTAL	COST STRUCTURE BY SOURCE				Cost allocation timeline			
Funding, AMD	Government	Donor	Private	Other	%, 2019,	%, 2020	%, 2021	%, 2022
18 800 000	25%	75%	0%	0%	0%	59%	26%	16%
Expected result		Key Indicators / Values:						
Availability of breeding farms		5						
Localization of advanced technologies of pedigree breeding farms		-						
Cattle, sheep and poultry pedigree breeding in the Republic of Armenia		-						
Increasing volumes of cattle and sheep production		-						
Increase self-sufficiency of poultry, %		30						

	P2-M10									
	M 10. Introduce HACCP (Hazard Analysis and Critical Control Point) standard in Armenia									
	Actions					2019	2020	2021	2022	
M10-1	Assessment and analysis of food safety system in food industry entities					-	11 000 000	-	-	
M10-2	Organization and implementation of trainings					-	5 000 000	-	-	
M10-3	Analysis and improvement of the legislation					-	-	5 000 000	-	
M10-4	Analysis and improvement of the legislation					-	-	-	3 000 000	
	TOTAL COSTS, AMD						-	16 000 000	5 000 000	3 000 000
	Responsible position/person		In collaboration /with support							
	Ministry of Economy									
	Total funding, AMD	COST STRUCTURE BY SOURCE				Cost allocation timeline				
		Government	Donor	Private	Other (iRFF funds)	%, 2019,	%, 2020	%, 2021	%, 2022	
	24 000 000	40%	60%	0%	0%	0%	67%	21%	13%	
	Expected result		Key Indicators / Values:							
	Ensuring food safety									

Implementation of HACCP system in food industry entities									



P2-M11

M 11. Improve animal health and animal identification systems (e.g., modern national livestock registry and livestock surveillance/traceability platform)

<i>Actions</i>		<i>2019,</i>	<i>2020</i>	<i>2021</i>	<i>2022</i>
M11-1	Development of livestock numbering and identification program	-	-	-	-
M11-2	Hardware Assessment and Software Development (IT)	1 200 000	2 400 000	2 400 000	1 200 000
M11-3	Training the animal numbering	-	1 520 000	1 520 000	760 000
M11-4	Acquisition of technical equipment and numbering supplies	27 000 000	454 750 000	137 250 000	137 250 000
M11-5	Delegation of numbering event	-	300 000 000	90 000 000	90 000 000
TOTAL COSTS, AMD		28 200 000	758 670 000	231 170 000	229 210 000

Responsible position/person	In collaboration /with the support of:							
Ministry of Economy	FAO, RA FSI, CARD, SDA, ADA,							

TOTAL Funding, AMD	COST STRUCTURE BY SOURCE				Cost allocation timeline				
	<i>Government</i>	<i>Donor</i>	<i>Private</i>	<i>Other (iRFF funds)</i>	<i>%, 2019</i>	<i>%, 2020</i>	<i>%, 2021</i>	<i>%, 2022</i>	
1 247 250 000	30%	70%	0%	0%	2%	61%	19%	18%	

Expected result	Key Indicators / Values:
Enforcement of the Law on Veterinary Medicine	-
Numbered and registered cattle, %	97
Availability of electronic database on numbered animals	-
Monitoring of livestock movement	-
Increase the efficiency of livestock provision,%	97
Improving food safety, ensuring traceability	-



P2-M12					
M 12. Develop and implement brucellosis prevention and eradication program					
	Actions	2019,	2020	2021	2022
M12-1	Sampling and Testing	-	221 011 572	217 411 572	217 411 572
M12-2	Vaccination	-	-	2 875 359 000	2 872 359 000
M12-3	Typological analysis	-	3 700 000	1 500 000	1 000 000
M12-4	Compensation Campaign	-	-	200 000 000	200 000 000
M12-5	Public Awareness Campaign	-	4 200 000	1 000 000	1 000 000
	TOTAL COSTS, AMD	-	228 911 572	3 295 270 572	3 291 770 572
	Responsible position/person		In collaboration /with the support of:		
	Ministry of Economy				

	TOTAL Funding, AMD	COST STRUCTURE BY SOURCE				Cost allocation timeline			
		<i>Government</i>	<i>Donor</i>	<i>Private</i>	<i>Other (iRFF funds)</i>	<i>%, 2019,</i>	<i>%, 2020</i>	<i>%, 2021</i>	<i>%, 2022</i>
	6 815 952 716	40%	60%	0%	0%	0%	3%	48%	48%
	Expected result	Key Indicators / Values:							
	RA Government draft decree								
	Developed and implemented of Compensation System								
	Developed and implemented of vaccination strategy								
	Raising awareness among farmers	more than 150000 farmers							
	P2-M13								
	P2- M 13. Introduce mechanisms for the control of the circulation of veterinary medicines (especially antibiotics)								
	Actions			2019,	2020	2021	2022		
M13-1	Improving legislation			2 000 000	2 000 000	-	-		
M13-2	Training			-	820 000	-	-		
	TOTAL COSTS, AMD			2 000 000	2 820 000	-	-		
	Responsible position/person			In collaboration /with the support of:					
	Ministry of Economy								
		COST STRUCTURE BY SOURCE			Cost allocation timeline				

TOTAL Funding, AMD	Government	Donor	Private	Other (iRFF funds)	%, 2019,	%, 2020	%, 2021	%, 2022
4 820 000	100%	0%	0%	0%	41%	59%	0%	0%
Expected result	Key Indicators / Values:							
Submission of the revised version of the draft laws on amendments and additions to a number of RA laws to the Government								
Submission of the Draft Decree of the RA Government (Draft Regulations) to the RA Government								
Developed mechanisms for the control of the circulation of veterinary medicines								

P3-M14

M 14. To decide the standards, to define the unfavorable areas, to form their maps, and to process the measures for further development of these areas

Actions	2019,	2020	2021	2022
M14-1 To define the classification standards of the unfavorable areas,	-	6 000 000	-	-
M14-2 To form the maps of unfavorable areas	-	3 000 000	-	-
M14-3 To process the measures for further development of the unfavorable areas	-	-	9 500 000	-
TOTAL COSTS, AMD	-	9 000 000	9 500 000	-

<i>Responsible position/person</i>				<i>In collaboration /with the support of:</i>				
Ministry of Economy								
TOTAL Funding, AMD	<i>COST STRUCTURE BY SOURCE</i>				<i>Cost allocation timeline</i>			
	<i>Government</i>	<i>Donor</i>	<i>Private</i>	<i>Other (iRFF funds)</i>	<i>%, 2019,</i>	<i>%, 2020</i>	<i>%, 2021</i>	<i>%, 2022</i>
18 500 000	100%	0%	0%	0%	0%	49%	51%	0%
<i>Expected result</i>		<i>Key indicators/ values</i>						
RA Government Decree on classification of unfavorable areas								
Existence of the maps of unfavorable areas								
Decision of the government RA about the measures for further development of unfavorable areas.								



P4-M15					
M 15. Introduce a new milk, grape, etc. pricing system that will be based on the quality standards					
<i>Actions</i>		<i>2019,</i>	<i>2020</i>	<i>2021</i>	<i>2022</i>
M15-1	Selection of products for introduction of new pricing system	-	1 000 000	-	-
M15-2	Study of international experience	-	3 000 000	-	-

M15-3	Processing of pricing systems	-	3 000 000	-	-				
M15-4	Processing of legislative framework	-	12 000 000	-	-				
M15-5	Implementation of set pricing system	-	-	4 000 000	-				
M15-6	Monitoring of set pricing system	-	-	-	12 000 000				
	TOTAL COSTS, AMD	-	19 000 000	4 000 000	12 000 000				
	Responsible position/person		In collaboration / with the support of:						
	Ministry of Economy								
	TOTAL Funding, AMD	COST STRUCTURE BY SOURCE			Cost allocation timeline				
		Government	Donor	Private	Other (iRFF funds)	%, 2019,	%, 2020	%, 2021	%, 2022
	35 000 000	0%	100%	0%	0%	0%	54%	11%	34%
	Expected result	Key indicators/values							
	Inclusion of relevant regulatory provisions in the Draft Law of the Republic of Armenia on Agriculture Activity								
	Draft Decree of RA Government								
	Definition of mandatory requirement for pricing calculation method								
	Definition of pricing method								

P4-M16

M 16. Develop feasibility studies for establishment of the modern wholesale market

<i>Actions</i>				<i>2019,</i>		<i>2020</i>		<i>2021</i>		<i>2022</i>	
M16-1	Processing of a technical task exploring the capabilities of modern wholesale markets			-		3 000 000		-		-	
M16-2	Contest of Selection of a Consulting Company for Capacity of Building for a Modern Wholesale Markets			-		500 000		-		-	
M16-3	Exploring the capabilities of creating modern wholesale markets			-		9 000 000		-		-	
M16-4	Creation of wholesale market						727 500 000		-		-
TOTAL COSTS, AMD				-		740 000 000		-		-	

Responsible position/person				In collaboration /with the support of:							
Ministry of Economy											

TOTAL Funding, AMD	COST STRUCTURE BY SOURCE				Cost allocation timeline				
	<i>Government</i>	<i>Donor</i>	<i>Private</i>	<i>Other (iRFF funds)</i>	<i>%, 2019,</i>	<i>%, 2020</i>	<i>%, 2021</i>	<i>%, 2022</i>	
740 000 000	0%	100%	0%	0%	0%	100%	0%	0%	

Expected result	Key indicators/ values
Research reports of capability creating Modern wholesale markets	
Mapping the capabilities and infrastructure available for creating wholesale markets	

P4-M17								
M 17. System development and fulfilment of food safety requirements which avail possibilities for products and market export diversification								
Actions					2019,	2020	2021	2022
M17-1	Study of modern systems for quality control of manufactured products				-	<i>11 000 000</i>	-	-
M17-2	Organization and implementation of trainings to improve manufacturers' knowledge and skills				-	<i>5 000 000</i>	-	-
M17-3	Analysis and improvement of the legislation				-	<i>25 000 000</i>	-	-
TOTAL COSTS, AMD					-	<i>41 000 000</i>	-	-
Responsible position/person				In collaboration /with the support of				
Ministry of Economy			International organizations					
Total funding, AMD	COST STRUCTURE BY SOURCE				Cost allocation timeline			
	<i>Government</i>	<i>Donor</i>	<i>Private</i>	<i>Other (iRFF funds)</i>	<i>%, 2019,</i>	<i>%, 2020</i>	<i>%, 2021</i>	<i>%, 2022</i>
41 000 000	0%	100%	0%	0%	0%	100%	0%	0%
Expected result		Key Indicators / Values:						
Increase market diversification opportunities		An integrated system of food safety requirements and for their implementation to increase market diversification opportunities						

P5-M18									
M 18. Develop Draft Law on Agriculture									
Actions					2019,	2020	2021	2022	
M18-1	Study of international experience and domestic legislative field				-	500 000	-	-	
M18-2	Elaborating structure and main provisions of the draft law				-	500 000	-	-	
M18-3	Drafting Law on Agriculture				-	500 000	-	-	
TOTAL COSTS, AMD					-	1 500 000	-	-	
Responsible position/person					In collaboration /with the support of:				
Ministry of Economy									
TOTAL Funding, AMD	COST STRUCTURE BY SOURCE				Cost allocation timeline				
	Government	Donor	Private	Other (iRFF funds)	%, 2019,	%, 2020	%, 2021	%, 2022	
1 500 000	0%	100%	0%	0%	0%	100%	0%	0%	
Expected Outputs		Key Indicators / Values							
Law on Agricultural Activities		1 law							

P5-M19					
M 19. Develop Farm Registry					
Actions	2019,	2020	2021	2022	
M19-1	Design Concept for Establishing Farm Registry	-	-	500 000	-
M19-2	Establishment of coordinating body	-	-	500 000	-
M19-3	Elaborate the core characteristic of Farm Registry	-	-	26 000 000	-
M19-4	Implement the necessary legal changes	-	-	-	1 500 000
M19-5	Develop of declaration template	-	-	-	3 000 000
M19-6	Awareness Campaign on Farm Registry	-	-	500 000	3 000 000
M19-7	Human resource management (trainings) for action and maintenance of FR	-	-	-	3 000 000
M19-8	Collection of Farms data	-	-	-	6 000 000
M19-9	Update database	-	-	-	3 000 000
TOTAL COSTS, AMD		-	-	27 500 000	19 500 000
Responsible position/person		In collaboration / with the support of:			
Ministry of Economy					
COST STRUCTURE BY SOURCE			Cost allocation timeline		

TOTAL Funding, AMD	<i>Government</i>	<i>Donor</i>	<i>Private</i>	<i>Other (iRFF funds)</i>	<i>%, 2019,</i>	<i>%, 2020</i>	<i>%, 2021</i>	<i>%, 2022</i>
47 000 000	0%	100%	0%	0%	0%	0%	59%	41%
Expected Outputs		Key Indicators / Values						
Registration of Agricultural holders in a Agricultural Holders Registry		Registered Agricultural Holders 75%						

P5-M20					
M20. Develop systematic market price collection, processing and dissemination system					
	<i>Actions</i>	<i>2019,</i>	<i>2020</i>	<i>2021</i>	<i>2022</i>
M20-1	Identification of the markets and products for price collection	-	-	-	-
M20-2	Creation of market prices data import, updating and analytics software	-	5 100 000	-	-
M20-3	Training and teaching of 25 specialists of department of AEIM	-	900 000	-	-
M20-4	Technical re-equipment of regional departments	-	3 880 000	-	-
M20-6	Project Awareness Campaign	-	970 000	-	-
	TOTAL COSTS, AMD	-	10 850 000	-	-

<i>Responsible position/person</i>				<i>In collaboration /with the support of:</i>					
Ministry of Economy									
TOTAL Funding, AMD	COST STRUCTURE BY SOURCE			Cost allocation timeline					
	<i>Government</i>	<i>Donor</i>	<i>Private</i>	<i>Other (iRFF funds)</i>	<i>%, 2019,</i>	<i>%, 2020</i>	<i>%, 2021</i>	<i>%, 2022</i>	
10 850 000	10%	90%	0%	0%	0%	100%	0%	0%	
Expected Outputs		Key Indicators / Values:							
M20-1	Methodology of work implementation	1. Database 2. Available to oversee agricultural products market prices 3.Informed citizens 4.Possibility to plan the production of agricultural products							
M20-2	Mobile app								
M20-3	50 trained specialists								
M20-4	Providing 40 tablets to regional departments								
M20-5	Video clip (2-5 minutes long)								
M20-6	Advertising campaign								
M20	Automated system for collecting, updating and disseminating of agricultural goods price data								



P5-M21					
M 21. Create a single payment institution as part of the Ministry					
<i>Actions</i>	<i>2019,</i>	<i>2020</i>	<i>2021</i>	<i>2022</i>	
M21-1	Feasibility study and concept note on the structure and legal form of the single payment institution	2 000 000	3 000 000	-	-
M21-2	Elaboration of relative normative and regulatory framework	2 000 000	-	-	-

M21-3	Elaborating of a 3-year programme for the operation of the single payment institution and developing the 2020 Annual work plan budget, Improve capacity of the people				8 000 000	14 000 000	15 000 000	-	
	TOTAL COSTS, AMD				12 000 000	17 000 000	15 000 000	-	
	Responsible position/person				In collaboration /with the support of:				
	Ministry of Economy								
	TOTAL Funding, AMD	COST STRUCTURE BY SOURCE				Cost allocation timeline			
		<i>Government</i>	<i>Donor</i>	<i>Private</i>	<i>Other (iRFF funds) ԳՖԿ միջոցներ</i>	<i>%, 2019,</i>	<i>%, 2020</i>	<i>%, 2021</i>	<i>%, 2022</i>
	44 000 000	0%	0%	0%	100%	27%	39%	34%	0%
	Expected result		Key Indicators / Values:						
	Savings in the resources (money) of the State budget allocated to the management of the Programmes and generation of free (available) cash assets		50 % reduction of the Programmes' management expenses foreseen in the the State Budget of RA in 2022 vs 2019 indicator						

<p>Development of one and unique management system for the fiduciary aspects, monitoring and evaluation of the Programs financed by the RA Government and the donor organizations which implementation is delegated to the Ministry of Economy</p>	<p>Availability of a single, unique OPERATING management system for the fiduciary aspects, monitoring and evaluation of the the Programs financed by the RA Government and the donor organizations which implementation is delegated to the Ministry of Economy, with the following descriptive features:</p> <ol style="list-style-type: none"> 1. Establishing of a result-based, consolidated and centralized management system and improved programs implementation, including: <ul style="list-style-type: none"> • agricultural production and value-chain development, • financial-credit • credit guarantee • and other sectorial programs 2. Improved systems for the transparent and centralized management of fiduciary aspects of the programs 3. Improved M&E processes due to the establishment of one and unique M&E system 4. Improved accountability due to the instruction of one and unique reporting system 5. Centralized and consolidated decision making, acceleration and improvement of decision-making processes 6. Development of human resources, administrative skills and mechanisms 7. Improved loan portfolio quality by developing a database/register for the subsidized agricultural loans
<p>Establishing (developing) of a centralized and unique payment settlement system for the Programs implemented in the agricultural sector</p>	<p>Availability of a unique, centralized OPERATING payment settlement system for the Programs implemented in the agricultural sector , with the following descriptive features:</p> <ol style="list-style-type: none"> 1. Payments done via paying new e-technologies, ensurance of transparency and improvement of procedures 2.Simplification of flow of funds and standardization of procedures 3.Improving the transparency, technical support and flexibility of the working procedures with the participating financial institutions 4. Improved exchange risk management



P7-M22					
M22. Develop the strategy and action plans for digital agriculture					
Actions	2019,	2020	2021	2022	
M22-1 Develop ToR for local consultants and conduct the selection process	-	2 590 000	-	-	

M22-2	Organize meeting sessions for stakeholder engagement	-	6 400 000	-	-				
M22-3	Conduct preliminary assessment of digital agriculture: desk and field research	-	20 200 000	-	-				
M22-4	Deliver and validate digital agriculture assessment report	-	5 840 000	-	-				
M22-5	Organize stakeholder consultation workshops for generating digital agriculture strategy and action plan	-	16 040 000	-	-				
M22-6	Integrate and finalize digital agriculture strategic plan	-	11 784 000	-	-				
	TOTAL COSTS, AMD	-	62 854 000	-	-				
	Responsible position/person		In collaboration /with the support of:						
	Ministry of Economy								
	TOTAL Funding, AMD	COST STRUCTURE BY SOURCE			Cost allocation timeline				
		<i>Government</i>	<i>Donor</i>	<i>Private</i>	<i>Other (iRFF funds)</i>	<i>%, 2019,</i>	<i>%, 2020</i>	<i>%, 2021</i>	<i>%, 2022</i>
	62 854 000	30%	70%	0%	0%	0%	100%	0%	0%
	Expected result	Key Indicators / Values							
	Strategic plan developed	One comprehensive strategy developed and validated by all stakeholders including Government							
	Number of national partnerships established for executing the strategy	Minimum 15 national relevant public and private stakeholders are included in the action plan and committed for the implementation plan							

P7-M23

M 23. Digitalize agriculture statistics in coordination with statistics agency (e.g., digitalization and integration of open agri-data sources in common platform, new digital data-capture processes for more real-time data, improved data accessibility to government and public)

<i>Actions</i>		<i>2019,</i>	<i>2020</i>	<i>2021</i>	<i>2022</i>
M23-1	Conducting needs assessment and feasibility study	-	3 000 000	-	-
M23-2	Elaboration of the Terms of Reference(s)	-	1 500 000	-	-
M23-3	Selection of the company	-	1 000 000	-	-
M23-4	Development of software on data collection, aggregation and analyses system, and data migration	-	-	35 000 000	-
M23-5	Piloting the developed system and verification of the software and data quality	-	-	3 000 000	-
M23-6	Deployment and training for the users	-	-	3 000 000	-
M23-7	Maintenance	-	-	6 000 000	-
TOTAL COSTS, AMD		-	5 500 000	47 000 000	-

<i>Responsible position/person</i>				<i>In collaboration /with the support of:</i>	
Ministry of Economy					
<i>COST STRUCTURE BY SOURCE</i>				<i>Cost allocation timeline</i>	

TOTAL Funding, AMD	Government	Donor	Private	Other (iRFF funds)	%, 2019,	%, 2020	%, 2021	%, 2022
52 500 000	30%	70%	0%	0%	0%	10%	90%	0%
Expected result		Key Indicators / Values:						
Software developed		One software is version control and documented						
Improved use of agricultural statistics		6 departments of the RA Ministry of Economy and its 10 regional agencies using the variables and indicators from the new system						
Data is integrated in the early warning systems		80% Accuracy of the Early warning system is acceptable						
Data is migrated		95% data is migrated						
Verified sets of requirements								
P7-M24								
M24. Develop the Ministry's IT and data analytics capacity to deal with existing and forthcoming agriculture data assets (farm register, irrigation register, livestock, land parcel identification, payments control, etc).								
Actions					2019,	2020	2021	2022
M24-1	Carrying out of detailed assessment on IT and data analytical training needs of the staff of the newly established department				-	-	5 150 000	-

	as well as other departments and decentralized offices at regional level								
M24-2	Designing and introducing training and capacity development plan			-	-		2 850 000	-	
M24-3	Conducting capacity building training for the Ministry staff including staff of the decentralized offices in various technical aspects			-	-		23 000 000	-	
	TOTAL COSTS, AMD			-	-		31 000 000	-	
	Responsible position/person			In collaboration /with the support of:					
	Ministry of Economy								
	TOTAL Funding, AMD	COST STRUCTURE BY SOURCE			Cost allocation timeline				
		<i>Government</i>	<i>Donor</i>	<i>Private</i>	<i>Other (iRFF funds)</i>	<i>%, 2019,</i>	<i>%, 2020</i>	<i>%, 2021</i>	<i>%, 2022</i>
	31 000 000	30%	70%	0%	0%	0%	0%	100%	0%
	Expected result		Key Indicators / Values:						
	Digital Agriculture and Innovation Department within the Ministry set up.		8 staff are involved in the work of the department						
	IT and data analytics capacity of the Ministry staff developed		30 training and courses are conducted on IT and digital capacity						

STRATEGY ACTION PLAN

ACTION PLAN		2019	2020				2021				2022				Required financing, AMD	Responsible for Implementation	Co-Responsible for Implementation
		IV	I	II	III	IV	I	II	III	IV	I	II	III	IV			
Priority 1: INCREASE AGRICULTURE SECTOR COMPETITIVENESS AND ENHANCE EFFICIENCY																	
1	Develop geographical digitalized maps of agricultural lands														3 472 000 000	Ministry of Economy	Ministry of Territorial Administration and Infrastructure Cadastre Committee Ministry of Environment Ministry of High-Tech Industry
2	Establish and implement land consolidation legislation and programme														4 500 000	Ministry of Economy	Ministry of Territorial Administration and Infrastructure Cadastre Committee
3	Establish agricultural credit guarantee fund and develop capacities														9 500 000	Ministry of Economy	Central Bank (by agreement)

4	Introduce agricultural insurance system															3 318 522 188	Ministry of Economy	Ministry of Finance Central Bank (by agreement) "Agricultural Insurers National Agency" NGO
5	Develop and implement an effective anti-hail system															4 662 100 000	Ministry of Economy	Ministry of Emergency Situations
6	Develop sector analysis for high priority agricultural value chains															26 000 000	Ministry of Economy	
7	Initiate the change in law for leasing of agricultural machinery															3 000 000	Ministry of Economy	Central Bank (by agreement)
8	Improve seed and planting material certification system															41 500 000	Ministry of Economy	Food Safety Inspectorate Armenian National Agrarian University (by agreement)
9	Support establishment of poultry, sheep, pig, cattle pedigree breeding farms															18 800 000	Ministry of Economy	Ministry of Territorial Administration and Infrastructure
Priority 2.ENSURE FOOD SAFETY																		
10	Introduce HACCP (Hazard															24 000 000	Ministry of Economy	Food Safety Inspectorate

	Analysis and Critical Control Point) standard in Armenia																
11	Improve animal health and animal identification systems (e.g., modern national livestock registry and livestock surveillance/trac eability platform)														1 247 250 000	Ministry of Economy	Ministry of Territorial Administration and Infrastructure Food Safety Inspectorate
12	Develop and implement brucellosis prevention and eradication program														6 815 952 716	Ministry of Economy	Ministry of Health Food Safety Inspectorate
13	Introduce mechanisms for the control of the circulation of veterinary medicines (especially antibiotics)														4 820 000	Ministry of Economy	Ministry of Health Food Safety Inspectorate
Priority 3. IMPROVE FOOD SECURITY AND NUTRITION																	

14	To decide the standards, to define the unfavorable areas, to form their maps, and to process the measures for further development of these areas														18 500 000	Ministry of Economy	Ministry of Territorial Administration and Infrastructure Ministry of Emergency Situations Cadastre Committee
Priority 4. DEVELOP LOCAL MARKETS AND INCREASE EXPORT POSSIBILITIES																	
15	Introduce a new milk, grape, etc. pricing system that will be based on the quality standards														35 000 000	Ministry of Economy	Central Bank (by agreement) Food Safety Inspectorate
16	Develop feasibility studies for establishment of the modern wholesale market														740 000 000	Ministry of Economy	Ministry of Territorial Administration and Infrastructure
17	System development and fulfilment of food safety requirements which avail possibilities for products and market export diversification														41 000 000	Ministry of Economy	Food Safety Inspectorate

Priority 5. DEVELOP INSTITUTIONAL AND HUMAN CAPACITY IN AGRICULTURE																		
18	Develop draft law on agriculture															1 500 000	Ministry of Economy	Ministry of Territorial Administration and Infrastructure Ministry of Environment
19	Develop farm registry															47 000 000	Ministry of Economy	Ministry of Territorial Administration and Infrastructure Ministry of High-Tech Industry Statistics Committee
20	Develop systematic market price collection, processing and dissemination system															10 850 000	Ministry of Economy	Ministry of Territorial Administration and Infrastructure Statistics Committee Central Bank (by agreement)
21	Create a single payment institution as part of the Ministry															44 000 000	Ministry of Economy	
Priority 7. PROMOTE DIGITAL AGRICULTURE AND TECHNOLOGY INNOVATION																		
22	Develop the strategy and action plans for digital agriculture															62 854 000	Ministry of Economy	Ministry of High-Tech Industry

23	Digitalize agriculture statistics in coordination with statistics agency (e.g., digitalization and integration of open agri-data sources in common platform, new digital data-capture processes for more real-time data, improved data accessibility to government and public)													52 500 000	Ministry of Economy	Ministry of High-Tech Industry Statistics Committee
24	Develop the Ministry's IT and data analytics capacity to deal with existing and forthcoming agriculture data assets (farm register, irrigation register, livestock, land parcel identification, payments control, etc.).													31 000 000	Ministry of Economy	Ministry of High-Tech Industry

