



REPUBLIC OF ZAMBIA

MINISTRY OF FISHERIES
AND LIVESTOCK

NATIONAL LIVESTOCK

DEVELOPMENT POLICY IMPLEMENTATION PLAN

October 2020 - 2024



**NATIONAL LIVESTOCK
DEVELOPMENT POLICY**

**IMPLEMENTATION
PLAN**

OCTOBER, 2020 - 2024

TABLE OF CONTENTS

FOREWORD	5
ACKNOWLEDGEMENT	6
ACRONYMS	7
1. INTRODUCTION	8
2. COST ESTIMATE OF THE PLAN	8
3. RATIONALE	9
4. IMPLEMENTATION FRAMEWORK	9
5. MONITORING AND EVALUATION	9
ANNEX 1: Implementation Framework for the National Livestock Development Policy 2020 - 2024	10

FOREWORD

Livestock development programmes have been implemented within the framework of the implementation plans of the national agricultural policies since 2011. The country has implemented two national agricultural policies namely: First National Agricultural Policy 2011 – 2016 and the Second National Agricultural Policy (SNAP) 2016 – 2021. These implementation plans are building blocks to actualizing the Vision 2030 which aims to "modernize the agricultural sector" and to make Zambia a better place for all.



Hon. Prof. Nkandu Luo - MP

This implementation plan is the first standalone plan for the Livestock subsector and builds on the achievements and lessons learnt during the implementation of the SNAP. The Plan has been developed to operationalize the National Livestock Development Policy, which is the main policy document outlining the Strategic Development Areas (SDAs) for the country for the period 2020 – 2024. The implementation plan outlines the specific interventions to be undertaken including the results to be generated to achieve sustainable livestock production and productivity which will contribute to achieving economic diversification, poverty-reduction, and job creation.

It covers areas that are important in realizing the potential of the livestock sub-sector and is aligned to Zambia's medium to long term aspirations expressed in the Seventh National Development Plan (7NDP). This plan ensures the achievement of medium-term development objectives that will contribute to actualizing the Africa Agenda 2064, Malabo Declaration, and the sustainable Development Goals (SDGs) numbers 1 and 2.

A multi-sectoral and coordinated approach will be the basis for implementing this plan. It has been driven by the Result-Based Management (RBM) approach which provides a clear result-linkage of the strategic objectives, measures, and activities or programmes, upon which indicators are developed. Achievement of the Key Performance Indicators (KPIs) will depend on the effective implementation of planned programmes and the attainment of outcomes and output targets for the planned objectives.

I wish, therefore, to call upon all stakeholders to actualize the activities in the implementation plan to achieve the broad vision set out in the policy.

A handwritten signature in black ink, appearing to be 'Nkandu Luo'.

Hon. Prof. Nkandu Luo, MP
MINISTER OF FISHERIES AND LIVESTOCK

ACKNOWLEDGEMENT



The development of the Implementation Plan has been achieved by the collaborative work that could not have been completed without the concerted efforts of various stakeholders. Special thanks go to the Minister of Fisheries and Livestock, Hon. Prof. Nkandu Luo, MP, for the guidance in areas of focus and prioritization of projects and programmes contained in the Plan.

During the process of formulating the plan, wide consultations were made with all key stakeholders at National, Provincial, and District levels. I wish to acknowledge the invaluable contributions of our key stakeholders during the development of the policy and its implementation plan. I also wish to acknowledge the guidance and technical support rendered to the Ministry by the Cabinet Office. Further, I would like to thank the management and staff of the Ministry for their commitment.

Finally, I wish to thank the cooperating partners who provided financial and technical assistance in the process of developing this policy.

It is my sincere hope that all stakeholders will work towards achieving the targets set in this plan.

A handwritten signature in black ink, consisting of a stylized 'B' followed by a horizontal line that ends in a small flourish.

Dr. Benson Mwenya, PhD
Permanent Secretary
MINISTRY OF FISHERIES AND LIVESTOCK

ACRONYMS

7NDP	Seventh National Development Plan
ATI	Agriculture Training Institution
AU	African Union
AU-IBAR	African Union Inter-African Bureau on Animal Resource
CPs	Cooperating Partners
FAGR	Farm Animal Genetic Resources
FAO	Food and Agriculture Organisation
ILRI	International Livestock Research Institute
LIMS	Livestock Information Management Systems
MCTA	Ministry of Chiefs and Traditional Affairs
MCT	Ministry of Communication and Transport
MFL	Ministry of fisheries and Livestock
MLG	Ministry of Local Government
MHI	Ministry of Housing and Infrastructure Development
MNDP	Ministry of National Development and Planning
MOA	Ministry of Agriculture
MOCTA	Ministry of Chiefs and Traditional Affairs
MOF	Ministry of Finance
MOH	Ministry of Health
MOHE	Ministry of Higher Education
MoJ	Ministry of Justice
MOTA	Ministry of Tourism and Arts
MWDSEP	Ministry of Water Development, Sanitation, and Environmental Protection
MWS	Ministry of Works and Supply
NGOs	Non-Government Organisations
OIE	World Organisations for Animal Health
SADC	Southern Africa Development Community
SDA	Strategic Development Area
SDG	Sustainable Development Goals
SZI	Smart Zambia Institute
UNZA	University of Zambia
ZEMA	Zambia Environmental Management Authority
ZSA	Zambia Statistics Agency

1. INTRODUCTION

The National Livestock Development Policy Implementation Plan was developed to translate the main policy into specific, measurable, actionable, realistic, and time-bound (SMART) goals to benefit all stakeholders. The Plan describes broad actions that the government, together with its stakeholders, intends to undertake to address key issues related to livestock development. The overall objective of this plan is “to transform the livestock industry in order to enhance socio-economic development”.

The plan outlines a clear linkage of the strategic objectives, measures, activities, and strategies, upon which the Key Performance is developed. They also provide for annual targets, key players, and the estimated costs over a period of five years. The plan will address four Strategic Development Areas (SDA) under Result area 1 – A diversified and Export-oriented Sector in the 7NDP and will achieve the following results: 1) improved livestock production and productivity; 2) Improved livestock Research and Development; 3) Improved animal welfare; and 4) Improved livestock information and early warning systems.

These results will be achieved at a cost of **ZMW 1.45 billion** and will be implemented within the following policy framework:

1. Result Area 1: Improved Livestock Production and Productivity

Specific Objective 1: To promote sustainable livestock production and productivity

Specific Objective 2: To promote established standards and quality of livestock, livestock products, and by-products

2. Result Area 2: Improved Livestock Research and Development

Specific Objective 3: To strengthen Livestock Research and Development (R&D)

Specific Objective 4: To promote sustainable management of Farm Animal Genetic Resources (FAGR)

3. Result Area 3: Improved Livestock Research and Development

Specific Objective 5: To improve the animal welfare and livestock production environment;

Specific Objective 6: To improve animal health service delivery

Specific Objective 7: To improve the management of rangelands and livestock water resources

4. Result Area 5: Improved Livestock Research and Development

Specific Objective 8: To establish a Livestock Information Management System (LIMS)

2. COST ESTIMATE OF THE PLAN

The total cost of implementing programme objectives in the Implementation plan is estimated at **ZMW 1.45 billion** over a period of five years. The distribution of the total cost according to the intended results is summarised in table 1.

Table 1 : The Estimated cost of the implementation Plan

No	Specific objective	Specific Development Area/Specific Objective	Estimated Cost (ZMW)	%age Allocation
1		Result Areas 1: Improved Livestock Production and Productivity	791,619,979.80	54.56%
	1	To promote sustainable livestock production and productivity	755,408,156.85	52.06%
	2	To promote the production of quality livestock products and by-products	36,211,820.95	2.50%
2		Result Areas 2: Strengthening institutions for Research and Development	360,934,459.04	24.87%
	3	To strength livestock Research and Development	328,122,003.75	22.61%
	4	To promote sustainable Farm Animal Genetic Resources	32,812,455.29	2.26%
3		Result Areas 3: Improved animal welfare	223,332,732.63	15.39%
	5	To improve the wellbeing and livestock production environment	14,680,114.44	1.01%
	6	To strengthen and promote animal health	100,427,274.43	6.92%
	7	To improve the management of rangelands and livestock water resources	108,225,343.76	7.46%
4		Result Areas 4: Improved Livestock Information Management Systems	75,144,915.20	5.18%
	8	To establish a Livestock Information Management System (LIMS) and Livestock Early Warning Information System (LEWIS).	75,144,915.20	5.18%
		Total	1,451,032,086.67	100.00%

3. RATIONALE

The National Livestock Development Plan Implementation Plan is intended to provide a framework of broad activities to all clients and stakeholders in the livestock sub-sector. As they buy into these broad activities to develop their detailed activities, they will be supporting the operationalization of the National Livestock Development Policy in a multi-sectoral and coordinated approach.

4. IMPLEMENTATION FRAMEWORK

To achieve the objectives and policy measures outlined in chapter 3 in the main policy document the Government has put in place an implementation framework. The Ministry of Fisheries and Livestock will collaborate with other line ministries and stakeholders in the implementation of the policy as outlined in annex 1.

5. MONITORING AND EVALUATION

The Policy will be used as a guide towards achieving the Vision and Mission of the livestock sub-sector in the country. The Ministry will conduct spot checks and joint annual reviews on the implementation of the Policy with key stakeholders to assess the progress made. The Ministry will also conduct a mid-term and a final review of the implementation of the Policy to assess its impact.

ANNEX 1

Implementation Framework for the National Livestock Development Policy 2020 - 2024

RESULT AREAS 1: IMPROVED LIVESTOCK PRODUCTION AND PRODUCTIVITY										
SPECIFIC OBJECTIVE 1: To promote sustainable Livestock production and productivity										
OUTCOME: Sustained increase in production and productivity of all livestock species										
No	MEASURE	ACTIVITIES	OUTPUT INDICATORS	ANNUAL TARGETS					RESPONSIBLE INSTITUTION	ESTIMATED COST IN ZMW
				2020	2021	2022	2023	2024		
Strengthen extension and advisory services in Livestock development	Recruitment of Livestock Extension officers in all districts	No. of Livestock Extension recruited	0	145	100	100	100	100	MFL, MoF, MDD, PSMD	40,214,989.98
	Induction training	No. of Extension staff trained	0	145	100	100	100	100	MFL	2,468,513.71
	Procurement of motor vehicles for extension services	No. of Motor vehicles procured	0	10	0	0	0	0	MFL, CPs	6,453,378.88
	Procurement of motorbikes for extension services	No. of Motorbikes procured	0	0	223	0	222	222	MFL, CPs	23,376,708.41
	Construction of Camp Houses	No. of camp Houses constructed	68	77	100	100	100	100	MFL, MHI	318,175,000.00
	Rehabilitation of Camp Houses	No. of camp Houses rehabilitated	0	0	0	0	100	100	MFL, MWS	38,500,000.00
	Align Livestock Extension into Agriculture Camps	No. of camps	187	450	450	450	450	450	MFL, MOA, MOL, MCT, MHA, MLG	4,888,504.15

No	MEASURE	ACTIVITIES	OUTPUT INDICATORS	ANNUAL TARGETS					RESPONSIBLE INSTITUTION	ESTIMATED COST IN ZMW
				2020	2021	2022	2023	2024		
	Promote the adaptation of appropriate technologies to enhance livestock productivity	Validation of area-specific technologies	No of technologies validated	12	12	12	12	12	MFL, MOA	1,706,177.05
		Train staff in the use of Artificial Insemination techniques	No of staff trained	100	100	100	100	113	MFL, CPs, ATIs	3,046,737.73
		Train staff on the application of technologies	No of staff trained	100	100	100	100	100	MFL, CPs, ATIs	2,853,194.11
		Conduct field demonstrations	No of technologies demonstrated	12	12	12	12	12	MFL, CPs, ATIs	1,706,177.05
		Assess the adoption of appropriate technologies	No of technologies adopted	0	8	8	8	8	MFL, MOA	798,943.75
	Promote Livestock stocking and re-stocking	Promote "one livestock unit per rural household programme	Programme implemented	1	0	0	0	0	MFL, MOF CPs	32,104,556.45
	Promote artificial insemination	Strengthening Liquid Nitrogen plants	No. of Liquid Nitrogen Plants Strengthened	0	1	1	1	1	MFL, CPs	6,961,466.27
		Strengthening Satellite Artificial Insemination Centres	No. of Artificial Insemination Centres strengthened	20	20	20	20	20	MFL, CPs	4,456,378.40

No	MEASURE	ACTIVITIES	OUTPUT INDICATORS	ANNUAL TARGETS					RESPONSIBLE INSTITUTION	ESTIMATED COST IN ZMW
				2020	2021	2022	2023	2024		
		Train staff on the application of Artificial Insemination	No. of staff trained	100	100	100	100	100	MFL, ATI, CPs	2,853,194.11
		Conduct field demonstrations	No. of technologies demonstrated	12	12	12	12	12	MFL, ATI, CPs	1,706,177.05
		Sensitize smallholder farmers on the formation of Producer organizations	No. of Producer Organisation sensitized	200	200	200	200	200	MFL, MCTI	337,523.47
	Strengthen Livestock Producers Organisations	Facilitate formation of Producer Organisations	No. of Producer organizations formed	200	200	200	200	200	MFL, MCTI	202,523.47
		Train Producer Organisations in Business Development Skills	No. of Producer organizations trained	150	150	150	150	150	MFL, MCTI	186,832.45
	Promote commercialisation of livestock production	Establish livestock multiplication centres	No. of Livestock multiplication centres	1	3	2	2	2	MFL, Private Sector	129,722,635.15
		Facilitate establishment of poultry hatcheries	No of poultry of hatcheries established	0	2	2	2	2	MFL, Private Sector	78,945.42

No	Measure	Activities	Output Indicators	Annual Targets					Responsible Institution	Estimated Cost in ZMW
				2020	2021	2022	2023	2024		
4	Promote investment in non-conventional livestock production	Strengthen capacity of Livestock service centres (Tier 1 & 2)	No of functional Livestock service centres	20	20	20	20	20	MFL, MCTI, MOA, PRIVATE SECTOR AND CPs	129,309,367.70
		Facilitate establishment feed manufacturing facilities	No of feed manufacturing facilities established	0	3	3	2	2	PRIVATE SECTOR, MFL, MOA	78,945.42
		undertake scoping study to explore options for game ranching	No of scoping studies undertaken	0	0	1	0	0	MFL, MOTA, MOL, ZEMA	1,506,943.75
		Zoning of areas with high game ranching potential	No of areas of game ranches identified	1	0	0	0	0	MFL, MOTA, MOL	1,396,821.33
		Sensitize local communities in game ranching	No of local communities sensitized	0	0	150	150	150	MFL, MOTA, NGO, CPs	182,367.25
		facilitate the establishment of game ranches	No of game ranches established	0	3	4	4	3	MFL, MOTA, PRIVATE SECTOR	135,156.34
4	OBJECTIVE 1 TOTAL								755,408,158.85	

5 SPECIFIC OBJECTIVE 2: To promote established standards and

No	Measure	Activities	Output Indicators	Annual Targets					Responsible Institution	Estimated Cost in ZMW
				2020	2021	2022	2023	2024		
5	SPECIFIC OBJECTIVE 2: To promote established standards and quality of livestock, livestock products and by-products									
6	OUTCOME: Improved value of Livestock products and by-products									
	To promote good agricultural and manufacturing practices	Develop training manuals on good agricultural practices in key livestock species	No. of Manuals in key livestock products developed	1	2	3	2	2	MFL	1,962,828.95
		Conduct TOTs for officers in good agricultural practices	No. of TOT Training	0	10	0	10	0	MFL	4,255,657.90
		Train farmers on good agricultural practices	No. of Farmers trained	250,000	250,000	250,000	250,000	250,000	MFL	626,612.34
	Promote the application of grading systems for live animals and livestock products	Develop Live Animal and Product Grading Systems	No. of grading systems developed	12	0	0	0	0	MFL, MCTI	549,535.59
		develop product standards	No of standards developed	3	3	3	3	3	MFL, MCTI	549,535.59
		Facilitate the development of product Regulations	No of products identified for the certification system	0	1	0	0	0	MFL, MCTI	631,392.43
	Train farmers in product quality control	No. of farmers trained	0	2,000	2,000	2,000	2,000	MFL	1,023,690.81	
	Strengthen Animal Identification	Support the development of animal identification systems	No. of Identifications systems Developed	1	0	0	0	0	MFL, Smart Zambia, MOA	1,580,657.82

No	Measure	Activities	Output Indicators	Annual Targets					Responsible Institution	Estimated Cost in ZMW
				2020	2021	2022	2023	2024		
	and Traceability System	Create awareness on animal identification	No. of Training Workshops	11	30	30	30	30	MFL, Smart Zambia, MOA, CPs	1,497,987.73
		Integrate livestock product tracking in the animal identification and traceability system	No. of livestock products integrate	1	2	3	0	2	MFL	3,646,092.69
		Sensitize livestock farmers on animal and products traceability	No. of farmers sensitized	0	160,000	160,000	160,000	160,000	MFL, MCTI	3,417,944.11
	Promote application of appropriate value addition technologies	Train farmers in the use of available processing technologies	No. of farmers trained	0	2,000	2,000	2,000	2,000	MFL, MCTI	1,023,690.81
		facilitate the acquisition of processing equipment	No of equipment types acquired	0	1	0	0	0	MFL	4,391,705.43
		train farmers in processing of livestock products	No of farmers trained	2,000	2,000	2,000	2,000	2,000	MFL, MCTI, NGOs	1,497,987.73
	Promote livestock trade, marketing and	Promote Public, Private Partnerships (PPPs)	No of PPPs established	1	1	1	1	1	MFL, CPs, MCTI, PRIVATE SECTOR	584,078.17

No	Measure	Activities	Output Indicators	Annual Targets					Responsible Institution	Estimated Cost in ZMW
				2020	2021	2022	2023	2024		
	agribusiness development	Enhance Livestock Cooperative development	No of Cooperatives enhanced	100	100	100	100	100	MFL, MCTI	3,361,906.45
		Identify and facilitate the establishment of value addition ventures based regional comparative advantage	No. of value addition ventures established	5	5	5	5	5	MFL, MOA, MCTI	391,578.17
		Formalise export of livestock and livestock products to regional markets	No of regional markets formalised	1	2	2	2	2	MFL, MCTI, MFA, Private Sector	261,061.14
		Diversify the number of Livestock products exported to regional markets	No of livestock and livestock products exported by type	2	3	3	4	5	MFL, MCTI, MFA, Private Sector	338,561.14
		Promote investment in processing facilities	facilitate the development of slaughter facilities	No of slaughter facilities developed	0	1	1	2	1	MFL, MLG
	facilitate the development of meat processing facilities		No of meat processing facilities developed	1	2	3	2	2	MFL, MLG, CPs, MCTI, PRIVATE SECTOR	577,893.80

No	Measure	Activities	Output Indicators	Annual Targets					Responsible Institution	Estimated Cost in ZMW
				2020	2021	2022	2023	2024		
		facilitate the development of milk processing facilities	No of milk processing facilities developed	15	15	15	15	15	MFL, MLG, CPs, MCTI, PRIVATE SECTOR	722,367.25
		facilitate the development of skin and Hide processing facilities	No of skin and hide processing facilities developed	1	2	3	2	2	MFL, MLG, CPs, MCTI, PRIVATE SECTOR	722,367.25
		facilitate the development of processing facilities for animal by-product processing	No of facilities for animal by-product processing	0	1	1	4	0	MFL, MLG, CPs, MCTI, PRIVATE SECTOR	577,893.80
	Promote the formation of Livestock processors organizations	Sensitize small and medium scale (SMS) entrepreneurs on the formation of processor organizations	No of SMIES sensitized on product processing	250	250	250	250	250	MFL, MCTI	337,523.47
		Facilitate formation of Producer Organisations	No of Processor Organizations established	20	20	20	20	20	MFL, MCTI	135,009.39

No	Measure	Activities	Output Indicators	Annual Targets					Responsible Institution	Estimated Cost in ZMW
				2020	2021	2022	2023	2024		
		Train Producer Organisations in Business Development Skills	No of Processor organizations trained	150	150	150	150	150	MFL, MCTI	968,367.20
7	OBJECTIVE 2 TOTAL									36,211,820.95
8	RESULT AREA 1 TOTAL									791,619,979.80
9	RESULT AREAS 2: STRENGTHENING INSTITUTIONS FOR RESEARCH AND DEVELOPMENT									
10	SPECIFIC OBJECTIVE 3: To strengthen Livestock Research and Development									
11	OUTCOME: Improved production and productivity of livestock through the practical application of technologies									
	strengthen institutional collaboration	Facilitate collaboration with international and regional research networks	No of platforms created	1	2	2	0	0	MFL, ILRI, SADC, AU, OIE	1,865,122.28
	Strengthen institutional capacity for livestock research and Development	Create a Department of Livestock Research and Development Upgrade Batoka Livestock Research Centre into a National Centre of Excellence	Department of Livestock Research and Development Created Batoka Livestock Research Centre upgraded	1	0	0	0	0	MFL, MoF, Cabinet	18,518,689.54
				0	0	1	0	0	MFL, MHID, CPs	40,416,230.25

No	Measure	Activities	Output Indicators	Annual Targets					Responsible Institution	Estimated Cost in ZMW
				2020	2021	2022	2023	2024		
		Establish Regional Livestock Research Centres in the 3 agro-ecological zones	No of Regional Research centres established	0	2	1	0	0	MFL, MOA, MHID, CPs	187,400,327.50
		Rehabilitate infrastructure of existing research stations	No of research stations rehabilitated	1	2	3	0	0	MFL, MWS, CPs	2,310,000.00
		Equip custom-built research facilities	No of research facilities equipped	1	2	3	0	0	MFL, CPs	3,432,000.00
		Train staff in Livestock research methodologies	No of staff trained	20	20	20	20	20	MFL, MWS, CPs	1,262,422.53
		Recruit skilled personnel	No of staff recruited	0	118	116	116	116	MFL, MOF, CABINET OFFICE	42,112,776.02
		Conduct staff induction in research techniques	No of induction training conducted	0	3	3	3	3	MFL, CPs	2,933,561.55
		Procure motor vehicles	No of motor vehicles procured	0	6	4	4	4	MFL, MWS	10,775,627.33
		Procure motorbikes	No of motorbikes procured	0	8	8	7	7	MFL, MWS	1,345,341.82

No	Measure	Activities	Output Indicators	Annual Targets					Responsible Institution	Estimated Cost in ZMW
				2020	2021	2022	2023	2024		
	Promote research in forage production and pasture management	Support the development of forage legume and grass varieties	No of forage varieties developed	0	3	4	4	4	MFL, MOA	483,943.75
		Assess the use of indigenous plant species for fodder	No of studies conducted	1	0	0	0	0	MFL, MOA	302,289.08
		Support development of programs for forage seed multiplication	No of forage seed multiplication programs developed	2	1	1	0	0	MFL, MOA	1,812,140.70
	Promote research in rangeland utilization and management	Assess the status of rangelands	No of studies conducted	0	1	0	0	0	MFL, MOA	1,413,867.25
		Identification of suitable forage species	No of studies conducted	1	0	0	0	0	MFL, MOA	257,289.08
		Investigate the application of IKPs for sustainable rangeland management	No of studies conducted	0	1	0	0	0	MFL, MOA	257,289.08
	Promote research in livestock products and by-products	Develop technologies in meat production and processing	No. of technologies developed	3	3	2	2	2	MFL	655,021.92
		Develop technologies for poultry production and processing	No of technologies developed	1	2	1	0	0	MFL	368,517.25

No	Measure	Activities	Output Indicators	Annual Targets					Responsible Institution	Estimated Cost in ZMW
				2020	2021	2022	2023	2024		
		Develop technologies for leather/skin production and processing	No of technologies developed	2	4	3	3	3	MFL	638,521.92
		Development of technologies for the production of non-conventional livestock and processing	No of technologies developed	0	2	2	1	1	MFL, MOA	499,732.84
		Development of technologies for production and processing of livestock by-products	No of technologies developed	0	2	1	1	1	MFL, MOA, UNIVERSITIES	648,154.67
		Develop technologies in improved livestock nutrition	No of technologies developed	3	3	2	2	2	MFL	655,021.92
		Develop technologies for livestock breed improvement	No of technologies developed	1	2	1	0	0	MFL	368,517.25
		Develop technologies for livestock product utilization	No of technologies developed	2	4	3	3	3	MFL	638,521.92
		Facilitate the development of technologies for farm animal draft power	No of technologies developed	0	2	2	1	1	MFL, MOA	499,732.84

No	Measure	Activities	Output Indicators	Annual Targets					Responsible Institution	Estimated Cost in ZMW
				2020	2021	2022	2023	2024		
		Conduct studies on Livestock manure management	No of studies conducted	0	2	1	1	1	MFL, MOA, UNIVERSIT IES	648,154.67
		Facilitate the development of technologies for manure as a source of renewable energy	No of technologies developed	1	2	1	1	0	MFL, MOA, UNIVERSIT IES	638,521.92
	Promote investment in livestock Research and Development	Create strategic partnerships with relevant institutions	No of strategic partnerships created	1	2	3	1	0	MFL, MNDP, CABINET OFFICE	1,277,627.63
	Strengthen livestock research - extension linkages	Develop programs to strengthen farming systems approaches	No of programs developed	0	1	0	0	0	MFL, MOA	788,606.49
		Promote sustainable platforms for research - extension linkage	No of platforms promoted	1	1	1	1	1	MFL, MOA	1,310,242.13
		Create adaptive farming systems research teams	No of adaptive farming systems teams created	1	3	0	0	0	MFL, MOA	638,461.27

No	Measure	Activities	Output Indicators	Annual Targets					Responsible Institution	Estimated Cost in ZMW
				2020	2021	2022	2023	2024		
		Develop Programmes for Integrating Gender Action Learning Systems	No of programmes developed	1	0	0	0	0	MFL	261,707.43
		Develop suitable technologies for climate change mitigation and risk reduction	No. of technologies developed	5	0	0	0	0	MFL	688,021.92
	OBJECTIVE 3 TOTAL									328,122,003.75
SPECIFIC OBJECTIVE 4: To promote sustainable management of Farm Animal Genetic Resources										
OUTCOME: Improve livestock breed performance and sustained biodiversity in animal genetic resources										
	Create a farm animal Genetic resource management database	Conduct an inventory of all animal breeds	Livestock breed register developed	0	1	0	0	0	MFL, MOTA	109,657.82
	Promote conservation of indigenous animal breeds and strains	Establish a farm animal genetic resource centre (Gene bank)	Gene bank established	0	1	0	0	0	MFL, SADC, FAO, ILRI,AUIBR	26,492,402.72
		Conduct phenotypic and genetic characterization	No of Studies	3	6	4	4	3	MFL, MOTA, MOCTA, SADC,	628,656.34

No	Measure	Activities	Output Indicators	Annual Targets					Responsible Institution	Estimated Cost in ZMW	
				2020	2021	2022	2023	2024			
		Identify indigenous breeds/strains that are at risk of extinction	No of Studies	1	2	1	1	0		MFL, MOTA, MOCTA, SADC, FAO, ILRI, AUIBR	441,789.08
	Promote genetic resource management systems	Train staff in genetic resource management systems	No of staff trained	100	100	100	100	100		MFL, ATI, CPs	2,853,194.11
		Conduct field visits	No of technologies demonstrated	12	12	12	12	12		MFL, ATI, CPs	1,706,177.05
	Develop programmes for evaluation of the genetic potential of indigenous livestock breeds	Assess the genetic performance of indigenous breeds	No of studies conducted	2	3	2	2	1		MFL, MOCTA	580,578.17
12	OBJECTIVE 4 TOTAL										32,812,455.29
13	RESULT AREA 2 TOTAL										360,934,459.04

RESULT AREAS 3: IMPROVED ANIMAL WELFARE											
SPECIFIC OBJECTIVE 5: To improve animal welfare and livestock production environment											
OUTCOME: Improved quality of livestock, livestock products, and by-products.											
No	Measure	Activities	Output Indicators	Annual Targets					Responsible Institution	Estimated Cost in ZMW	
				2020	2021	2022	2023	2024			
14											
15											
16											
	Strengthen institutional cooperation on animal welfare	Enhance collaboration and cooperation across Government and other stakeholders	No. of Meetings	10	10	10	0	0	0	MFL, MOCTA, MOA, MOTA	638,461.27
		Identify and address priority animal welfare issues	An Accord developed	1	0	0	0	0	0	MFL, MOA, MOCTA, MOTA	1,310,242.13
		Develop a costed action plan on animal welfare	A Costed Action Plan developed	1	0	0	0	0	0	MFL, MOA, MOCTA, MOTA	1,310,242.13
		Provide training on animal welfare to improve knowledge, attitudes, and behaviours	No. of Trainings	20	20	20	20	20	20	MFL	2,933,561.55
	Improve public awareness of animal welfare	Provide communication to improve knowledge, attitudes, and behaviours	A communication Strategy Developed	1	0	0	0	0	0	MFL, MOA, MOCTA, MOTA	1,310,242.13
		Provide training to improve knowledge of the law and enforcement on animal welfare	No. of training	20	20	20	20	20	20	MFA, MOHA	2,933,561.55

No	Measure	Activities	Output Indicators	Annual Targets					Responsible Institution	Estimated Cost in ZMW
				2020	2021	2022	2023	2024		
	Improve compliance and enforcement levels	Review the enforcement model on animal welfare	Enforcement model reviewed	1	0	0	0	0	MFL, MOHA	1,310,242.13
		Provide enforcement training	No. of Trainings	20	20	20	20	20	MFL, MOHA	2,933,561.55
16	OBJECTIVE 5 TOTAL:									14,680,114.44
17	SPECIFIC OBJECTIVE 6: To improve animal health service delivery									
18	OUTCOME: Improved animal health									
	Strengthen institutional collaboration on primary Animal Health Care	Conduct mapping and capacity assessment of existing dialogues platforms	No. of recommendation Operationalised	1	0	0	0	0	MFL	160,973.45
		Build capacity of dialogues platforms	No. of Platforms built	1	1	1	1	1	MFL, CPs	3,046,737.73
		Operationalization information sharing through web hosting and Publications	No. of interactions and Publications	0	1	1	1	1	MFL	176,386.68
	Support routine vaccinations and	Sensitize local communities on primary Animal Health Care	No. of communities sensitized	50,000	50,000	50,000	50,000	100	MFL, MCTA	3,417,944.11
		Conduct training in routine vaccinations and surveillance	No. of trainings	50,000	50,000	50,000	50,000	100	MFL, MCTA	3,390,571.61

No	Measure	Activities	Output Indicators	Annual Targets					Responsible Institution	Estimated Cost in ZMW
				2020	2021	2022	2023	2024		
	surveillance of livestock diseases	Support routine vaccinations and surveillance	No. of vaccinations supported	1	0	0	0	0	MFL	1,417,015.58
		Sensitize local communities on primary Animal Health Care	No. of communities sensitized	50,000	50,000	50,000	50,000	100	MFL, MCTA	3,417,944.11
	Strengthen technical services on the control and prevention of animal diseases	Procure motor vehicles	No. of motor vehicles procured	0	10	0	0	0	MFL	6,453,378.88
		Procure motorbikes for field staff	No. of Motorbikes procured	0	0	0	0	0	MFL	-
	Promote the application of indigenous knowledge and practices in the management of animal diseases	Train farmers on effective disease control practices	No. of farmers trained	160,000	160,000	160,000	160,000	160,000	MFL, MOH, MLG	3,046,737.73
		Explore the application of indigenous knowledge and practices (IKP) in animal disease control	No of studies conducted	1	1	2	1	0	MFL, UNIVERSITIES, CPs	649,008.80
		Document available IKP in animal disease control	No of publications produced	10	10	10	10	0	MFL, UNIVERSITIES	994,829.11

No	Measure	Activities	Output Indicators	Annual Targets					Responsible Institution	Estimated Cost in ZMW
				2020	2021	2022	2023	2024		
		Promote Investment in ethnoveterinary research for application of IKPs	No of IKP technologies developed	0	2	2	2	4	MFL, UNIVERSITIES, CPs	648,154.67
		Develop knowledge transfer system	No. of Demos conducted	0	30	30	30	30	MFL	474,470.30
	Strengthen adoption of good animal nutrition practices	Conduct training in feed formulations	No. of trainings	50,000	50,000	50,000	50,000	100	MFL, MCTA	3,390,571.61
		Sensitize local communities on animal nutrition	No. of communities sensitized	50,000	50,000	50,000	50,000	100	MFL, MCTA	3,417,944.11
	Promote establishment of animal clinics	Establishment of clinics at Livestock Service Centres	No. of clinics established	120	120	120	120	120	MFL	24,090,000.00
		Train ineffective disease control practices	No. of training	160,000	160,000	160,000	160,000	160,000	MFL, MOH, MLG	3,046,737.73
	Promote the development of wheel bath and foot bath	Establishment of Wheel Bath	No. of Wheel Bath	24	24	24	24	24	MFL, MIH, NRF, RDA	21,450,000.00
		Recruitment of Livestock Extension officers in all districts	No. of staff recruited	24	24	24	24	24	MFL, MoF, MDD, PSMD	10,647,321.50
		Induction training	No. of staff trained	0	145	100	100	100	MFL	685,273.36

No	Measure	Activities	Output Indicators	Annual Targets					Responsible Institution	Estimated Cost in ZMW			
				2020	2021	2022	2023	2024					
19	OBJECTIVE 6 TOTAL												
20	SPECIFIC OBJECTIVE 7: To improve the management of rangelands and livestock water resources												
21	OUTCOME: improved Livestock nutrition												
	support and strengthen extension service delivery to promote good grazing practices	Sensitize local communities in sustainable utilization of grazing resources	No of communities sensitized	100	100	100	100	100	100	113	MFL, MOA	3,417,944.11	
		train farmers in sustainable rangeland management	No of farmers trained	160,000	160,000	160,000	160,000	160,000	160,000	160,000	MFL, MOA	3,046,737.73	
	Promote appropriate technologies for forage conservation and utilization	Train farmers in forage conservation and utilization	No of farmers trained	160,000	160,000	160,000	160,000	160,000	160,000	160,000	MFL, MOA	3,637,181.48	
		Conduct demonstrations in appropriate technologies for fodder conservation and utilization	No of demos conducted	0	100	100	100	100	100	100	MFL, MOA	590,443.75	
	Promote sustainable communal grazing management	facilitate the establishment of communal grazing system	No of communal grazing systems established	1	1	1	1	1	1	1	MFL, MOA	3,417,944.11	

No	Measure	Activities	Output Indicators	Annual Targets					Responsible Institution	Estimated Cost in ZMW
				2020	2021	2022	2023	2024		
	systems and rangeland improvement technologies	Facilitate formation of communal land use management teams	No of communal land use management teams formed	300	300	300	300	300	MFL, MOA	3,417,944.11
		Assess the status of rangelands	No of studies conducted	1	1	1	0	0	MFL, MOA	484,570.35
		Identification of suitable forage species	No of species identified	20	0	0	0	0	MFL, MOA	199,473.45
		Introduce suitable forage species in rangelands	No of species introduced	6	6	4	2	2	MFL, MOA	2,583,897.25
	Promote the application of Indigenous Knowledge and Practices (IKPs) in rangeland management	Engage local communities in the applications of IKPs in rangeland utilization	No of communities participating	100	100	100	100	113	MFL, MOA	1,327,469.11
		Develop knowledge transfer system for rangeland utilization	No of demos conducted	100	100	100	100	113	MFL, MOA	1,147,469.11
	Promote community participation in establishing watering points for livestock development	Sensitize local communities on the effects of climate change on grazing and water resources	No of local communities sensitized	100	100	100	100	100	MFL, MOA	3,417,944.11
		Train local communities on forage production	No of communities sensitized	100	100	100	100	100	MFL, MOA	3,046,737.73

No	Measure	Activities	Output Indicators	Annual Targets					Responsible Institution	Estimated Cost in ZMW
				2020	2021	2022	2023	2024		
		Sensitize local communities on forage seed multiplication	No of communities sensitized	100	100	100	100	113	MFL, MOA	3,417,944.11
		Train farmers in forage production	No of farmers trained	160,000	160,000	160,000	160,000	160,000	MFL, MOA	3,046,737.73
		Train farmers in forage seed production	No of farmers trained	160,000	160,000	160,000	160,000	160,000	MFL, MOA	3,637,181.48
		facilitate the development of climate smart water harvesting techniques	No of water harvesting facilities established	2,000	2,000	2,000	2,000	2,000	MFL, MOA, MWDSEP	3,046,737.73
	Strengthen collaboration in the development and maintenance of reliable water sources for Livestock	support construction of water reticulation infrastructure	No of sites for water reticulation infrastructure	2,000	2,000	2,000	2,000	2,000	MFL, MOA, MWDSEP	59,441,054.47
		facilitate maintenance of water reticulation infrastructure	No of water reticulation infrastructure maintained	2,000	2,000	2,000	2,000	2,000	MFL, MOA, MW DSEP	3,046,737.73
		Strengthen formation of community-based livestock water resource management teams	No of water resource management teams formed	250	250	250	250	250	MFL, MOA, MW DSEP	2,853,194.11
22	OBJECTIVE 7 TOTAL									108,225,343.76

No	Measure	Activities	Output Indicators	Annual Targets					Responsible Institution	Estimated Cost in ZMW	
				2020	2021	2022	2023	2024			
23	RESULT AREA 3 TOTAL									223,332,732.63	
24	RESULT AREAS 4: IMPROVED LIVESTOCK INFORMATION MANAGEMENT SYSTEMS										
25	SPECIFIC OBJECTIVE 8: To establish a Livestock Information Management System (LIMS)										
26	OUTCOME: Enhanced access to livestock information										
	Strengthen institutional capacity in Livestock Information Management systems	Create a custom-built one-stop livestock data management Centre	Livestock Data Management Centre created	1	0	0	0	0	0	MFL, ZSA, MNPD, CPs	4,147,182.72
		Train staff in Livestock data management	No of staff trained	20	20	20	20	20	20	MFL, MWS, CPs	626,612.34
		Recruit skilled personnel	No of staff recruited	0	30	0	0	0	0	MFL, MOF, CABINET OFFICE	2,711,122.92
		Procure motor vehicles	No of motor vehicles procured	0	3	12	0	0	0	MFL, MWS	1,936,013.66
		Create a functional livestock database	Livestock database created	1	0	0	0	0	0	MFL, ZSA, MNPD, CPs	1,580,657.82
	Operationalize Livestock Information Management System (LIMS)	Develop livestock collection systems	No of Systems	1	0	0	0	0	0	MFL, MOCTA, MOA, MOTA	1,310,242.13

No	Measure	Activities	Output Indicators	Annual Targets					Responsible Institution	Estimated Cost in ZMW
				2020	2021	2022	2023	2024		
		Conduct periodic Livestock Census	Livestock Census conducted	0	0	1	0	0	MFL, ZSA, MNPD, CPs	47,553,459.17
		Conduct periodic Livestock surveys	No. of Livestock surveys conducted	2	2	2	2	2	MFL, ZSA, MNPD, CPs	3,862,506.55
	Enhance collaboration with the Zambia Meteorological Department in collecting information in Climate Change early warning	Enhance collaboration and cooperation across Government and other stakeholders	No. of Meetings	10	10	10	0	0	MFL, MOCTA, MOA, MOTA	638,461.27
		Identify and address priority animal welfare issues	An Accord developed	1	0	0	0	0	MFL, MOA, MOCTA, MOTA	1,310,242.13
		Develop a costed action plan on animal welfare	A Costed Action Plan developed	1	0	0	0	0	MFL, MOA, MOCTA, MOTA	1,310,242.13
	Facilitate the establishment of Livestock Early Warning Information	Build Capacity of staff in LEWIS	No. of staff trained	20	20	20	20	20	MFL, ZSA, MNPD, CPs	4,255,657.90
		Sensitize farmers in LEWIS	No. of sensitization meetings held	10000	10000	10000	10000	10000	MFL, ZSA, MNPD, CPs	3,417,944.11
		Assess Livestock Conditions	No. of studies conducted	1	1	1	1	1	MFL	484,570.35
27	OBJECTIVE 8 TOTAL									75,144,915.20
28	RESULT AREA 4									75,144,915.20
29	GRAND TOTAL (OBJECTIVES 1-8)									1,451,032,086.67

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