



REPUBLIC OF ZAMBIA

SECOND NATIONAL AGRICULTURAL POLICY

IMPLEMENTATION PLAN

2016 – 2020

February, 2016



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ACRONYMS AND ABBREVIATIONS

ACF	Agriculture Consultative Forum
AfDB	African Development Bank
AgSAG	Agriculture Sector Advisory Group
ATIs	Agricultural Training Institutions
CDT	Cotton Development Trust
CFU	Conservation Farming Unit
CIDRZ	Centre for Infectious Diseases Research in Zambia
COMACO	Community Markets for Conservation
CRS	Catholic Relief Services
CSO	Central Statistics Office
CSOs	Civil Society Organizations
DMMU	Disaster Management and Mitigation Unit
DPs	Development Partners
EU	European Union
FAO	Food and Agriculture Organization
FEWSNET	Famine Early Warning Systems Network
FRA	Food Reserve Agency
GART	Golden Valley Agricultural Research Trust
GDP	Gross Domestic Product
IAPRI	Indaba Agricultural Policy Research Institute
JICA	Japan International Cooperation Agency
KFA	Kapenta Fisheries Association
LDT	Livestock Development Trust
MCDMCH	Ministry of Community Development, Mother and Child Health

MCTI	Ministry of Commerce, Trade and Industry
MFL	Ministry of Fisheries and Livestock
MLNREP	Ministry of Lands, Natural Resources and Environmental Protection
MEWD	Ministry of Energy and Water Development
MoA	Ministry of Agriculture
MoF	Ministry of Finance
MoH	Ministry of Health
MoIB	Ministry of Information and Broadcasting
MoJ	Ministry of Justice
MRI	Maize Research Institute
MWS	Ministry of Works and Supply
SNAP	Second National Agricultural Policy
NFNC	National Food and Nutrition Commission
NGO	Non-Governmental Organization
NRDC	Natural Resources Development College
PACRA	Patents and Companies Registration Authority
PAM	Programme Against Malnutrition
PLWHA	People Living With HIV and AIDS
PSMD	Public Service Management Division
SeedCo	Seed Company
SNDP	Sixth National Development Plan
TDAU	Technology Development and Advisory Unit
UNZA	University of Zambia
WB	World Bank
WRS	Warehouse Receipt System
WVI	World Vision International

Zamseed	Zambia Seed Company
ZCA	Zambia College of Agriculture
ZCF	Zambia Cooperative Federation
ZEMA	Zambia Environmental Management Agency
ZESCO	Zambia Electricity Supply Corporation
ZIAH	Zambia Institute of Animal Health
ZNFU	Zambia National Farmers Union
ZPPA	Zambia Public Procurement Authority

1.0 INTRODUCTION

This document is an Implementation Plan for the Second National Agricultural Policy (SNAP). The Plan covers the period from 2016 to 2020 and is closely aligned to Government initiatives outlined in the Revised Sixth National Development Plan (R - SNDP) and the Vision 2030, as well as other related policies and pieces of legislation.

The Plan provides concrete areas of work for the active support and participation of all key stakeholders in the agricultural sector based on formidable partnerships and provision of an enabling environment to ensure that the agricultural sector contributes effectively towards national economic growth and development.

The agricultural sector has continued to be one of the key drivers of the economy in Zambia and supports the livelihoods of at least 65 percent of the population. The sector contributes about 18 percent to the country's Gross Domestic Product (GDP) and has registered an average growth of 7 percent in the period 2008 - 2012.

Despite the growth in the sector, agriculture has continued to be hampered by challenges such as low production and productivity, little value addition, over-dependence on rain for crop production, limited capital and market access for small scale farmers and high post-harvest crop losses.

The Ministry of Agriculture (MoA) and the Ministry of Fisheries and Livestock (MFL), in consultation with other stakeholders developed an Implementation Plan

for the period 2016 – 2020, to guide the operationalisation of the Second National Agricultural Policy. The Implementation Plan aims at addressing the challenges highlighted in the SNAP. It also spells out the activities of various stakeholders in the agricultural sector such as Government, Private Sector, Civil Society Organizations (CSOs), Development Partners (DPs) and the farming communities.

2.0 IMPLEMENTATION FRAMEWORK

2.1 Time Frame for Implementation

The Second National Agricultural Policy shall be implemented over a period of five (5) years beginning in 2016 and will be reviewed from time to time. The Government will ensure alignment of the various strategies and development initiatives that have a bearing on the implementation of the Plan (see annex 1 for details). The Plan is also closely aligned with other various Government initiatives.

2.2 Institutional Arrangements

The Ministry of Agriculture and that of Fisheries and Livestock will be the lead institutions in implementing the activities that will support the development of the agricultural sector. The two Ministries will administer all agricultural Acts such as those covering agricultural marketing and trade, crops, fisheries and livestock development.

The two Ministries will also collaborate with other stakeholders that are involved in the promotion of technological research and development. The Ministries will continue to provide relevant information to all actors in the sector, including the private sector.

3.0 LEGAL AND REGULATORY FRAMEWORK

The implementation of the policy will be supported by the various relevant pieces of legislation. These pieces of legislation have been outline in the Second National Agricultural Policy.

4.0 RESOURCE MOBILISATION

The implementation of the Second National Agricultural Policy shall be funded from the following sources:

- i. Government budgetary provisions;
- ii. Development partners;
- iii. Private Sector;
- iv. Civil Society Organizations; and
- v. Any other stakeholders.

5.0 MONITORING AND EVALUATION

The implementation of the SNAP will be monitored and evaluated by the Ministries responsible for agriculture, livestock and fisheries in partnership with the Ministry of Finance, Development Partners and other stakeholders. This will involve the establishment of agreed base-line benchmarks and sector indicators by the two Ministries in collaboration with other key stakeholders. Furthermore, the Policy will be monitored and evaluated by other stakeholders through annual reports and quarterly review meetings. Government shall support data collection, analysis and dissemination of M& E results.

ANNEX: SECOND NATIONAL AGRICULTURAL POLICY IMPLEMENTATION LOG FRAME

NO	POLICY OBJECTIVES	POLICY MEASURES	ACTIVITIES	RESPONSIBLE INSTITUTIONS	TARGETS	INDICATORS
	CROPS					
01	To increase agricultural production and productivity	1. Promoting the use of improved and certified seed	Produce and disseminate brochures, TV and radio programmes, posters, and newspaper articles on use of improved and certified seed	MoA, MCDMCH, Seed Companies (Zam-Seed, Seed-Co, MRI, Pannar, Monsanto) Agro Based NGOs (Care, PAM, WVI,	Produce and disseminate 2,000,000 brochures per year, 80	Number of brochures produced and disseminated.
					TV and radio programmes per year, and 1, 000, 000 posters per year	Number of TV and radio programmes produced and aired
			Conduct field days and demonstration trials on the use of improved and certified seed.		Conduct 600 Field Days/ Demonstrations countrywide annually.	Number of posters produced and disseminated
			Conduct seed production and multiplication programmes		Produce 160, 000 MT of various grain seed, 10, 000, 000 of cassava cuttings and 10, 000, 000 annually	Number of field days/demonstrations conducted.
			Coordinate rural seed programmes		Coordinate 60 rural seed programmes	Quantity of grain seed of various crops produced and certified; Number of cuttings of cassava seed produced and certified; Number of sweet potato vines produced and certified
						Number of rural seed programmes coordinated

		2. Promoting investment in appropriate, affordable and cost effective irrigation technologies and infrastructure suitable for different agro - ecological regions and establishment of irrigation schemes for smallholder farmers	Construct small holder low cost community irrigation facilities.	MoA, JICA, Private Companies, Co-operatives/Farmer groups, NGOs	20 small holder communal irrigation schemes and dams constructed by 2016. 3000 ha of land brought under irrigation by communal irrigation schemes and dams constructed by 2016	Number of Small holder low cost community irrigation facilities constructed. Area brought under irrigation by the low cost community irrigation facilities constructed.
		3. Promoting the efficient use of available water resources for irrigation and promoting high value irrigable crops among small and medium scale farmers.	Training small scale farmers and staff in irrigation management system	MoA, NGO's, UNZA	1000 small scale farmers and 100 staff trained in irrigation management system annually	Number of Small scale farmers trained in irrigation management systems annually. Number of staff trained in irrigation management systems annually.
	LIVESTOCK					
		1. Promoting livestock stocking and restocking programmes	Establish livestock breeding centres (Livestock Production Centres).	MFL, MWS, LDT, GART, WVI, Heifer Intl, Land - O - Lakes	14 Livestock breeding centres established and operationalised by 2016.	Number of Livestock breeding centres established and operationalised
		2. Promoting livestock production and disease control services	Disseminate market oriented production technologies	MFL, NGOs, Development partners	30 improved goat and sheep technologies disseminated by 2016	Number of improved goat and sheep technologies disseminated
			Construct dip tanks	MFL, MWS, LDT, GART, WVI, Heifer Intl, Land - O - Lakes	600 dip tanks constructed by December 2016	Number of dip tanks constructed

			Produce animal vaccines	MFL, World Bank, AfDB	2,500,000 rabies vaccines produced by 2017 2,250,000 Haemorrhagic Septicemia vaccine produced 2017 1,850,000 black quarter vaccine produced by 2017 210 soya inoculum produced by 2017 600,000 anthrax vaccine produced by 2017 600,000 Brucella abortus vaccines produced by 2017 1,500,000 Newcastle vaccine produced by 2017	Number of rabies vaccines produced Number of Haemorrhagic Septicemia vaccine produced by 2016 Number of black quarter vaccine produced Number of soya inoculum produced Number of anthrax vaccine produced Number of Brucella abortus vaccines produced Number of Newcastle vaccine produced
			Conduct livestock disease control campaign (vaccines and vaccination campaigns)	MFL, World Bank, NGOs	12 Vaccination campaigns by 2017	Number of vaccination campaigns
			Establish Livestock Service Centres	MFL, Development partners, NGOs, Private Sector	1,400 Livestock Service Centres established by 2018	Number of Livestock Service Centres established
			Establish vegetable tanning Centres	MFL	Set up 20 vegetable tanning (skins and hides) Centres	Number of vegetable tanning (skins and hides) Centres set up
	FISHERIES					

		1.Promoting stocking and restocking of natural water bodies, ponds and dams with fish	Stocking of ponds and dams with fish	MFL, Fish farmers, World Fish Centre, NGOs	6,000 ponds and dams stocked with fish by 2018	Number of ponds and stocked with fish
			Stocking of dams and weirs (small water bodies) with fish	MFL, NGOs and traditional leaders	700 dams and weirs stocked with fish by 2018	Number of dams and weirs stocked with fish
			Restocking of natural water bodies with fish	MFL, traditional leaders	Lake Bangweulu and Lake Mweru-wa-ntipa restocked with fish by 2018	Lake Bangweulu and Lake Mweru-wa-ntipa restocked with fish
		2. Promoting access to fish seed (fingerlings)	Establish fish hatcheries	MFL, MCTI, Farmers Cooperatives, NGOs, Peace Corps.	16 fish hatcheries established by 2017	Number of fish hatcheries established and operationalised
			Construct community fish seed production centres	MFL, Farmers Cooperatives, NGOs, Peace Corps.	109 community fish seed production centres constructed by 2018	Number of Community fish seed production centres established and operationalised.
		GENERAL				
		1.Promoting farm power and mechanization	Conduct demonstrations on use of agricultural machinery.	MoA, SARO, UNZA, (TDAU), NGO's,	10 demonstrations on use of agricultural machinery conducted annually	Number of demonstrations on use of agricultural machinery conducted annually.
			Establish Farm Power Mechanization Centres	MoA, MFL, MWS, Development partners, ZPPA, Private sector, Academia	2 Farm Power and Mechanization Centres established by 2018	Number of Farm Power and Mechanization Centres established.
		2. Promoting the development of agricultural farm blocks	Develop farm blocks	MoA, MFL, MWS, ZESCO, MLNREP, ZEMA, MEWD	Two (2) farm blocks developed by 2018	Number of Farm blocks developed

02	To Improve effectiveness and efficiency in Agricultural Research and Development	1. Promoting alternative financing for agricultural research	Establish and operationalize a Competitive Grant scheme	MoA, MFL, GART, LDT, CDT, UNZA, Development partners, Private Sector	Competitive grant scheme established and operationalised by 2020	Competitive grant scheme established and operationalised
		2. Strengthening institutional capacity to undertake research incorporating the effects of climate change	Construction and rehabilitation of research facilities Purchase of research equipment	MoA, MFL, MWS, UNZA, GART, LDT, CDT	i. One (1) research facility constructed ii. Nine (9) existing research facilities rehabilitated. iii. Ten (10) sets of laboratory equipment purchased by 2017	Number of research facilities constructed Number of existing research facilities rehabilitated; and Number of laboratory equipment purchased.
		3. Promoting adaptive research	Redefining the boundaries of the agro-ecological regions	MoA, MFL, MET, UNZA	Three (3) agro-ecological regions boundaries redefined by 2018	Agro-ecological regions boundaries redefined
			Establish Livestock Research Station	MFL, MWS, Development partners	Three (3) Regional Livestock Research Stations operationalized by 2018	Number of regional Livestock Research Stations operationalised
			Develop animal breeding strategies and feed formulation technologies (what are the breeding and feed formulation technologies?)	MFL, NGOs	5 breeding strategies 10 feed formulation Technologies developed by 2018	Number of breeding strategies Number technologies developed
03	To Strengthen the Capacities of Agricultural Training	1. Increasing staffing levels in ATIs.	Recruit training officers	MoA, MFL, MoF, PSMD,	50 training officers recruited by 2018.	Number of training officers recruited.
		2. Improving the	Provide In-service training to	MAL (ATIs), UNZA,	50 staff trained	Number of staff

	Institutions.	efficiency and effectiveness of ATIs & staff.	training staff.	Development partners,	annually.	trained.
Provide Long term training to training staff			MoA, MFL, PSMD, Development partners	15 staff trained by 2018.	Number of staff trained.	
Provide training equipment and materials			MoA, MFL, MWS, ZPPA	10 Agricultural Training Institutions provided with training equipment and materials by 2020	Number of Agricultural Training Institutions provided with training equipment and materials.	
Construction and rehabilitation infrastructure			MoA, MFL, MWS,	New infrastructure constructed in 10 Agricultural Training Institutions 10 ATIs rehabilitated.	Number of Agricultural Training Institutions provided with new Infrastructure. Number of ATIs rehabilitated.	
Review the ATIs' Curricula to suit market and Industry needs.			MoA, MFL (ATIs), UNZA, MESVTEE, Development partners, Private sector	10 ATIs Curricula reviewed by 2018	Number of Training Institutions Curricula reviewed.	
04	To improve the efficiency of agricultural input and output markets.	1. Promoting private sector participation in agricultural input and output markets	Operationalise the Agricultural Marketing Bill	MoA, MFL, MoJ, Cabinet Office	Agricultural Marketing Bill Operationalized by 2017.	Agricultural Marketing Bill Operationalised.
Conduct base-line survey on status of cooperatives			MoA, MFL, MCTI ZCF	4,000 cooperatives assessed and data base on status established by 2017	Number of cooperatives assessed Data base on status of Cooperatives established	
Review of cooperative legislation		MoA, MFL, MCTI ZCF	Cooperatives society Act reviewed by 2017.	Cooperatives Society Act enacted and regulations developed.		
Identify and facilitate the		MoA, MFL, MCTI	106 value addition	Number of Value		

			establishment of value-addition ventures based regional comparative advantage	ZCF	ventures established by 2018	addition ventures established and operating.
			Conduct cooperative training and education of cooperative boards	MoA, MFL, MCTI ZCF	6,000 cooperative Boards training and education conducted by 2017.	Number of Cooperative Boards trained and educated.
			Conduct training in the use of Cooperative extension methodology	MoA, MFL, MCTI ZCF	3,150 Cooperatives trained in the use of cooperative extension methodology by 2018.	Number of Cooperatives trained in cooperative extension methodology.
			Produce and disseminate outreach materials on the cooperative recapitalization fund.	MoA, MFL, MCTI ZCF	600,000 out-reach materials produced and disseminated, 65 TV and radio programmes produced and broadcast by 2020.	Number of Out-reach materials produced and disseminated; Number of TV and radio programmes produced and broadcast.
05	To Promote availability of and accessibility to agricultural finance credit facilities and insurance.	1. Promoting broad based small holder credit and financial delivery system.	Establish Savings and Credit Cooperatives (SACCOs) Training and sensitization in village/rural banking services	MoA, MFL, MCTI, MoF, ZCF	106 SACCOs established by 2017 250,000 farmers trained in village/rural banking services by 2018	Number of SACCOs established. Number of farmers trained in village/rural banking services
		2. Promoting warehouse receipt system	i. Establish Warehouse Licensing Authority ii. Certification of warehouses for the warehouse receipt system (WRS)	MoA, FRA, ZAMACE, Development partners, Private Sector, GTAZ	Warehouse Licensing system established by 2016 1,000 warehouses certified by 2017	Licensing system established Number of warehouses certified
		3.Promoting a payback culture in agriculture credit management	Conduct sensitization trainings on credit repayment	MoA, MFL, ZNFU, NGOs, Private sector,	250,000 farmers trained in credit repayment by 2018	Number of farmers trained in credit repayment

		especially among small holder farmer				
06	To Increase Private Sector Participation in Agricultural Development	1. Strengthening the legal and regulatory framework	Formulate new legislation	MoA, MFL, MoJ, Cabinet Office	Formulate Agricultural Marketing Act, Livestock Development Act and Regulations for the Dairy Development Act by 2017	Agricultural Marketing Act, Dairy Development Act, Livestock Development Act formulated
			Repeal and amend existing legislation	MoA, MFL, MoJ, MCTI, MLNREP, Cabinet Office	Review and amend Plant Breeder's Rights Act, Cooperative Society Act, Fisheries Act, Fertilizer and Feed Act, Food Reserve Act, Agriculture Land act by 2017	Plant Breeder's Rights Act, Cooperative Society Act, Fisheries Act, Fertilizer and Feed Act, Food Reserve Act, Agriculture Land Act reviewed and amended
		2. Strengthening agricultural information management systems and dissemination;	Establish agricultural marketing information centres	MoA, MFL, FAO, MWS, World Bank, EU	Ten (10) agricultural marketing information centres established by 2018	Number of agricultural marketing information centres established.
		3. Strengthening coordination among all stakeholders in the sector	Conduct annual review and planning meetings with stakeholders.	MoA, MFL, ZNFU, IAPRI, ACF, AgSAG, ZCF, KFA	Five(5) Annual review and planning meetings with stakeholders conducted by the end of the first quarter of each year by 2020	Number of Annual review and planning meetings with stakeholders conducted.
		4. Promoting the development of agricultural farm blocks	Develop farm blocks	MoA, MFL, MWS, ZESCO, MLNREP, ZEMA, MEWD	Two (2) farm blocks developed by 2018	Number of Farm blocks developed
07	To Improve Food and Nutrition	1. Promoting diversification of agricultural	Conduct training in food processing and nutrition.	MoA, MFL, NFNC, NGO's	115 trainings in food processing and nutrition conducted	Number of trainings in food processing and nutrition conducted

Security	production and utilization			annually.	annually.
		Develop markets for specific agricultural commodities.	MoA, MFL, MCTI, NGO's, Private Sector	Three (3) foreign markets and 106 domestic markets for specific agricultural commodities established by 2020.	Number of foreign markets for specific agricultural commodities established. Number of domestic markets for specific agricultural commodities established
		Promote cultivation and utilization of crops other than maize such as Rice, soya beans, ground nuts, etc.	MoA, NGOs, Development partners	Increase Crop Diversification Index (Area planted to 12 major crops/ Area planted to Maize) to 1.25 by 2020	Crop Diversification Index (Area planted to 12 major crops/ Area planted to Maize)
	2. Promoting on-farm agro-processing, value addition and on-farm storage.	Training farmers in agro-processing, value addition and on-farm storage.	MoA, MFL, NGO's, Private Sector.	50 training programme in agro-processing, value addition and on-farm storage conducted annually.	Number of trainings in agro-processing, value addition and on-farm storage conducted annually.
	3. Reducing post-harvest losses.	Construct new storage facilities and rehabilitate existing ones.	MoA, FRA, ZPPA, MoF, MWS, Private Sector.	Rehabilitate two (2) silos for 100,000Mt by 2016 Construct six (6) silo with total capacity of 50,000Mt by 2018 106 cooperative storage sheds constructed by 2020	Number of silos rehabilitated Number of silos constructed Storage capacity created Number of cooperative storage sheds constructed

08	To Promote the Sustainable Management and Use of Natural Resources.	1. Promoting Sustainable Land Management including conservation agriculture	Training farmers in conservation agriculture methods.	MoA, MLNREP, UNZA, GART, ZNFU (CFU), FAO, EU, NGO's	78,750 farmers trained in conservation agriculture methods annually.	Number of Farmers trained in conservation agriculture methods annually.
		2. Promoting characterization, conservation and sustainable utilization of animal resources including climate resilient indigenous breeds	Establish bio-diversity conservation centres	MoA, MFL, Development partners	3 bio-diversity conservation centres established by 2018`	Number of bio-diversity conservation centres established
		3. Promoting sustainable fishing methods	Establish Fisheries Co-management committees.	MoA, MFL, MCDMCH, Traditional Leaders,	Nine (9) Co-Management committees established in nine (9) Fishery Areas established by 2018	Number of Co-Management committees established.
			Conduct sustainable fishing methods trainings.	MFL, NGOs, Traditional Authorities	520 sustainable fishing methods training programmes conducted by 2018	Number of Sustainable fishing methods trainings conducted
			Design and promote fishing gear	MFL, NGOs, Traditional Authorities	Three (3) types of fishing gear designed and promoted in Itzhi-Tezhi, Lower Zambezi and other in - shore fisheries by 2018	Number of New fishing gears designed and promoted in Itzhi-Tezhi, Lower Zambezi and other in - shore fisheries
09	To Mainstream Environment	1. Promoting awareness to climate change	Conduct awareness campaigns on climate change mitigation and	MoA, MFL, DMMU, FAO, ZNFU,	12 awareness campaigns on climate change mitigation and	Number of Awareness campaigns on climate change mitigation and

	and Climate Change in the Agricultural sector	mitigation and adaptation	adaptation	Development partners.	adaptation conducted annually.	adaptation conducted annually.
		2. Strengthening existing early warning systems,	Training of the district level and extension staff in early warning systems (surveillance, data collection and reporting)	MoA, MFL, FAO, CSO, DMMU, Meteorological Department, FRA and FEWSNET.	200 district and extension staff trained annually. 40 districts covered annually.	Number of district and extension staff trained annually. Number of districts covered annually.
			Establish a National Early Warning Call Centre	MoA, MFL, FAO, CSO, DMMU, Meteorological Department, FRA and FEWSNET.	Establish a National Early Warning Call Centre by 2018.	National Early Warning Call Centre established
			Develop a country wide information management system	MoA, MFL, MCTI, FAO, CSO,	Develop a country wide information management system by 2020.	Country wide information management system developed.
		3. Building individual capacity to carry out climate change risk assessment	Train stakeholders in climate change risk assessment	MoA, MFL, FAO, CSO, DMMU,	100 professionals trained in climate change risk assessment by 2018	Number of professionals trained
10	To Promote the Mainstreaming of Gender, HIV and AIDS, and Governance issues in Agriculture.	1. Promote women and youth participation in agriculture	Develop operational guidelines and procedures to facilitate increased access by women and youth to agricultural services, credit and leadership roles in farmer organizations	MoA, MFL, MGD, NGOs	Develop operational guidelines and procedures by 2018	Operational guidelines and procedures developed and disseminated
		2. Promoting agricultural technologies that mitigate impact of HIV and AIDS	Disseminate technologies to ease the drudgery of work on Persons Living With HIV and AIDS (PLWHA)	MoA, MFL, NGOs, NAC, MoH, Development partners, Private Sectors	Two (2) technologies disseminated for PLWHA by 2020	Number of technologies developed for PLWHA