

**ROAD MAP TO AGRICULTURAL DEVELOPMENT IN
NIGER STATE**

PREPARED BY

**NIGER STATE MINISTRY OF AGRICULTURE AND
ANIMAL HEALTH**

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REPOSITIONING MINISTRY OF AGRICULTURE AND ANIMAL HEALTH

1.0 AGRICULTURAL POTENTIALS OF NIGER STATE

1.1 Niger State covers a total land area of about 86,000sqkm or 8.6million hectares, representing about 9.3% of the total land area of the country. Out of this, about 7million hectares (or 80%) are arable from which about 32% or 2.3million hectares is actually cultivated for production of various food and cash crops.

1.2 The state is endowed with abundant natural resources such as fertile soils, minerals, forest resources, rivers and good climatic conditions well suited for growth of large number of crop species, livestock and fisheries.

1.3 According to the 2006 census, the state had a population of 3.950million. It has been estimated that 80% of this population live in the rural areas where they earn their living directly or indirectly from Agriculture. An estimated 400,000 farming households exist in Niger State with average farm holding of 3 – 5 hectares. Almost all soil types, typical of the savannah regions of West Africa can be found in Niger State with potentials to support both rainfed and irrigated farming.

1.4 The state experiences distinct dry and wet seasons. The rainy season lasts for 5 to 6 months in the northern part and 7 – 8 months in the South beginning April/May. The dry season period starts in October/November and extends to March/April of the succeeding year.

1.5 The state's agricultural output cuts across all crop horizons including food and cash crops, major ones being Sorghum, Maize, Rice, Millet, Cowpea, Yam, Cassava, Sweet potatoes, Groundnut, Cotton, Soyabeans, Sugarcane, Melon and Vegetables of all kinds. There are other cash crops such as sheanut, locust beans, Jatropha, Cashew, etc. The average annual productions of these crops however remain very low when compared to the state's potentials.

1.6 The state also has ideal conditions for Livestock development. Availability of vast grassland and fodder, abundant water sources and increasing success in tse-tse fly control favours the rearing of all kinds of Livestock. The 2007 Livestock Census puts

Livestock population at 1.98million cattle, 1.6million sheep and 3.5million goats and others (including pig, camel, and Like) in addition to about 6.0million poultry. Production is still largely by small holders under local traditional practices, however attempts have been made over the years to encourage towards large scale production with the establishment of the Mokwa Cattle ranch and grazing reserves at strategic locations to reduce trans-humans by pastoralists.

1.7 There are equally tremendous potentials for fisheries development due to availability of large water bodies mainly of Rivers Niger and Kaduna and their tributaries that are estimated to have a total water surface area of 436,196Ha. An estimated 18,161.12 metric tonnes is harvested annually from the water bodies. This can however be substantially increased to over 41,000 metric tones if the water bodies are properly managed for fish production.

1.8 The states potential for Fadama development is also enormous. The state has an estimated 682,000 hectares of irrigable land of which only 105,575 hectares have been developed with only about 26,500 hectares being cultivated annually. There are 12 irrigation schemes under the Ministry. The extensive flood plains at the water bodies (Rivers Niger Kaduna, Gbakogi, Gurara, and Chanchaga, dams/Reservoirs (Kainji, Shiroror and Jebba), numerous streams as well as the distinct six months of dry weather offer great opportunity for dry season cultivation of Rice, Sugarcane, Maize, pulses and assorted vegetables.

1.9 There exists tremendous opportunities for exploiting these vast agricultural resources for both purposes of food self-sufficiency and industrial growth. The states proximity to the nation's capital, coupled with good rail and road networks, good air transport and potential for water transport as well as good communication system provides producers' opportunity to market their produce and products any where within the state and outside the state. There are also existing Rice mills located at Badeggi and Bida that can process and add value to all the paddy rice produced in the State.

2.0 **NIGER STATE AGRICULTURAL POLICY THRUST**

2.1 The policy thrust of Ministry of Agriculture and Animal Health, which is fashioned after that of the nation, is to attain Food Security in the State and the Country at Large. It is to ensure self sufficiency in food and Fibre production to meet both human and industrial demands locally and for export.

3.0 **VISION OF THE MINISTRY:**

3.1 Our vision is to make Ministry of Agriculture and Animal Health the engine room for socio-economic development of Niger State, by providing adequate and abundant produce for human consumption and also as a source of raw materials for our industries thereby making Niger State one of the top three most developed economies in the country by the year 2020. In order to attain the vision, some core programme will be addressed.

4.0 **CORE PROGRAMMES FOR FUTURE EMPHASIS:**

4.1 To effectively harness, for better productive use, the vast agricultural resource endowment of the state, and ensure increased agricultural sector's contribution to the economic development of the state, two (2) core programmes have been developed by the Ministry of Agriculture and Animal Health. These programmes are:

- i. "Niger State Feeds the Nation"
- ii. "TALBA PROTEIN FOR ALL INNITIATIVE"

4.2 **NIGER STATE FEEDS THE NATION:**

4.2.1 Under this programme, it is anticipated that sufficient food will be produced not only to feed the state and the nation but also to have surplus for industrial and export purposes. The programme will involve mass production of arable, cash and horticultural crops such as Maize, Rice, Sorghum, Millet, Yam, Cassava, Cotton, Beniseed, Citrus, Mango, cashew, Guava, oil palm etc. Effort will also be made to domesticate Sheanut and Locust beans for large scale production purposes.

4.2.2 ***STRATEGIES***: Strategies to be adopted will principally be to facilitate the production of these crops by farmers through provision of support services and effective linkages. The strategies to be adopted are:

- Providing land clearing services
- Encouraging Farm Mechanization
- Facilitating supply of Farm Inputs
- Establishment of seed multiplication centers, farm service centers and maintenance workshops
- Establishment of soil-testing laboratories.
- Establishment of Demonstration Centers.
- Gradual Shifting of emphasis from rainfed Agriculture to irrigated Agriculture.
- Rehabilitation of existing irrigation schemes and developing new ones.
- Pest control emergency intervention services.
- Strengthening extension advisory services to farmers by providing logistics, training and adequate funding.
- Farmer empowerment through provision of credit facilities to farmers.
- Re-establishment of school farms.
- Purchase of 10% of agricultural produce by Niger State Government under Buffer stock guarantee minimum prices programme.
- Encouraging youth empowerment activities in Agriculture.
- Establishment of Agricultural Training Institutions, including mechanized management.
- Provision of Insurance cover by Nigerian Agric Insurance Company.
- Sensitization of all stakeholders.

- Provision of rural roads and other infrastructural facilities.
- Establishment of Niger State Council on Agriculture.

4.2.3 **TARGET**: The target is to improve and double the present production levels of these crops, specifically in terms of the area put under cultivation and yield/unit area. The target is expected to be achieved through:-

- Timely supply of 40,000metric Tonnes of assorted fertilizers annually for wet and dry season farming.
- Supply of 1200mt of assorted improved seeds and seedlings annually.
- Provision of 200,000 Ltrs of assorted Agro-chemicals annually, 12 wheel Barrow sprayers and 22 backmantled motorized sprayers.
- Provision of 1000 tractors and implements, 6 Bulldozers, 150 planters, 150 units of fertilizer Broadcasters, 100units of Boom sprayers and 25 harvesters.
- Rehabilitation and Development of 12minor irrigation schemes at Guzan, Rabah, Edo-Lapai, Agaie, Gbakogi, Baratsu, Zara Lioji, Chanchaga I & II, Tamarai and Papiri and Development of Mambe and Badeggi flood plains.
- Purchase and distribution of small diameter (2-3inches) irrigation pumps for farmers.
- Establishment of 25 farm service centers and a combine 240ha seed multiplication farms in the zones.
- Establishment of a soil testing laboratory in Minna.
- Transformation of the Three (3) farm Institutes at Kuta, Tegina and Nasko to the status of College of Agriculture and re-establishment of Agaie school for tractor drivers and mechanics.
- Rehabilitation of Grain storage warehouses at Wushishi, Pandogari, Salka and Badeggi and purchasing of 10% of produce from farmers annually for Buffer stock guarantee price programme.
- Provision of Semi-permanent and temporary cotton markets at strategic cotton growing Areas to boost cotton production.

- Re-establishment of Commodity Market Boards.

4.3 **“TALBA PROTEIN” FOR ALL INITIATIVE:**

4.3.1 Under this programme, mass production of Livestock and Fish for home consumption, industrial and export purpose will be encouraged and facilitated.

4.3.2 **STRATEGIES:** The specific strategies to be employed are as follows:

ARTISANAL FISHERIES:

- Conducting Baseline Survey on fishing in the state
- Provision of appropriate fishing inputs.
- Promoting good storage facilities to prevent or reduce fish spoilage.
- Introduction of Modern Fish Processing Techniques.
- Establishment of workshop for boat building and repair of outboard engines.
- Establishment of fuel dumps along River Banks.
- Protection of River Sanctuaries
- Enforcement of legislation or code of conduct on responsible fishing.
- Building Capacity of Fishermen
- Infrastructural Development Support in Rural Fishing Communities.
- Supporting research activities in Fisheries
- Establishing effective linkages with donor Agencies

AQUACULTURE:

- Encouraging individuals, particularly unemployed youth to take up fish farming particularly home stead fishing.
- Reactivation of existing fish Hatcheries
- Establishment of feed mills
- Encouraging aquacultural practices in ox-bow lakes
- Culturing for mass production exportable fish species like the Heterotic spp.
- Promote women in fishing activities particularly in area of fish processing and marketing.

LIVESTOCK:

- Revitalizing existing Animal Health Care Services
- Conducting awareness and sensitization campaign on Animal Diseases of economic importance.
- Establishing information centers on dissemination of bio-security related issues
- Facilitate intensive production of quality poultry products
- Provision of quality inputs and drugs for livestock farmers
- Introduction of improved breeds of animals for improved yield in terms of quality of meat, milk and eggs.
- Enhancing effective veterinary public health services by reactivation of proper meat inspection services
- Development of grazing reserves to settle significant percentage of agro-pastoralist.

4.3.3 **TARGET:** The target is quadruple the present level of production of Fish and Livestock. The following are expected to be achieved:

- Development of 10 Ox-Bow lakes in each zone of the state.
- Development of infrastructures at Tagwai Fish hatchery and Rehabilitation of Wuya Fish Farm and hatchery for production of Fish Fingerlings

- Procurement of 7,500 bundles of assorted fishing nets/gears and 10 Out Board Engines for enforcement of legislation on responsible fishing.
- Provision of 30 units of solar tents, 30 units of smoking kilns and other cooling equipment for encouraging use of storage facilities to reduce spoilage.
- Establishment of 10 fish feed centers in each zone and procurement of 30 fish feed milling and pelleting machines.
- Identification of 10 women groups and 50 youth annually in each zone of the State to promote women in aquaculture and youth empowerment through fish farming.
- Renovation of State Veterinary Center, Zonal Livestock Clinics and 6 Livestock service Centers.
- Establishment of Livestock Breeding and Improvement Center at Sheyi Grazing Reserve and 3 integrated Livestock Pilot Demonstration Farm (one in each zone).
- Resuscitation of Poultry Production Unit Bosso and Nine Poultry demonstration and holding centers.
- Development and Gazettment of 10 grazing reserves
- Establishment of livestock drug and vaccines revolving fund.

5.0 **THE WAY FORWARD:**

- i. There must be political will to reactivate the Agricultural Sector of the State. Simply put, all abandoned projects especially on Fisheries, Livestock and Irrigation have to be reactivated.
- ii. The Political will must be backed by adequate budgetary provisions for all projects. At least 20% of State budget must be dedicated to Agriculture.
- iii. Adequate budget provisions must be followed by timely release of funds.
- iv. Projects feasibility studies must be properly executed by competent hands.

- v. These must be backed by capacity building of the Ministry in terms of recruitment and training of professional staff.
- vi. Capacity building must be followed by provision of working equipment such as survey equipment, earth moving equipment, agricultural implements and Workshop development.
- vii. For proper monitoring and evaluation of projects, there is need for provision of transport motivation of staff through payment of overtime and hard line allowances. In addition extension workers must be provided with motorcycles, bicycles, etc which ever is applicable.
- viii. Provision of adequate office accommodation
- ix. Adequate provision for youth training in State Agricultural Institutes, and at Mokwa College of Agriculture.
- x. Establishment of cotton and cattle markets in Niger State, and
- xi. Promotion and expansion of crop production through Private Partnership Programme and payment of Counterpart Funds.

3.0 **ACTION PLAN:**

- 4.1 In order to realize the set targets, a detail action plan (attached) is proposed for implementation.

REPOSITIONING MINISTRY OF AGRICULTURE AND ANIMAL HEALTH

ACTION PLAN:

A. CORE PROGRAMME ONE: NIGER STATE FEEDS THE NATION

S/N	OBJECTIVE	STRATEGY	ACTIVITIES	COST (₦)	TIME FRAME	KEY STAKE HOLDERS	EXPECTED OUTCOMES
1.	Mass production of food and cash crops such as Maize, Rice, Yam, Cassava, Cotton, Beniseed, Fruit tress etc.	1.1 Provision of land clearing service and machineries	a. Procurement of 6 number Bulldozer and 2 law beds	240m	2008-2011	State, FGN, LGs, Devt. partners	i. Over 2000ha virgin land put under cultivation annually
			b. Procurement of 4 Rome ploughs	8.3m			ii. Increase in crop production
		1.2 Encourage farm mechanization.	c. Procurement of 1000 Tractors and implements	5.60bn	2008-2011	State, FGN, LGs, Devt. Partners.	i. Increased mechanization of farm activities
			d. Procurement of 150 planters	405m			ii. Reduction in drudgery amongst the youth
			e. Procurement of 150 units of Fertilizer Broad casters	321.75m			iii. Increase in crop cultivation.
			f. Procurement of 100 units of Boom sprayers.	311.14m			

S/N	OBJECTIVE	STRATEGY	ACTIVITIES	COST (₦)	TIME FRAME	KEY STAKE HOLDERS	EXPECTED OUTCOMES
			g. Procurement of 25 No. Harvesters	227.55m			
			h. Rehabilitation of existing zonal mechanical workshop at Minna, Bida and Kontagora.	37.0m			
			i. Construction and equipping of new workshops in the 25 LGA.	375m			
		1.2 Encourage and facilitate Dry season farming	a. Rehabilitation of 12 minor irrigation schemes at Guzan, Rabah, Edo-Lapai, Agaie, Baratsu, Zara, Lioji, Chanchaga I&II, Tamanai and Papiri	3.65bn	2008-2011	State, LGs, Devt. partners	i. Over 6500Ha to be put under dry season crop cultivation ii. Increase in crop production
			b. Development of Mambe and Badeggi flood plains	1.65bn			Potential area of over 10,000ha to be put into use

S/N	OBJECTIVE	STRATEGY	ACTIVITIES	COST (₦)	TIME FRAME	KEY STAKE HOLDERS	EXPECTED OUTCOMES
		1.4 Facilitate the supply of improved farm inputs	a. procurement of 40,000mt of fertilizers annually	2.56bn	2008-2011	State, FGN, LGs, private sector	<ul style="list-style-type: none"> i. Availability of high quality fertilizers ii. Timely supply of fertilizers iii. Increase in crop production
			b. Procurement of 1200mt of improved seeds planting materials annually	36m	2008-2011	State, FGN, NSS, private sector	<ul style="list-style-type: none"> i. Availability of high quality seeds, planting materials.
			c. Procurement of Assorted Agro-chemicals for pest outbreak intervention	8.80m	2008-2011	State, LG, private sector	<ul style="list-style-type: none"> i. Availability of high quality Agro-chemicals. ii. Reduction in post harvest losses. iii. Reduction in pest outbreaks
			d. construction and rehabilitation of farm service centers	250m	2008-2009	State, LGs	<ul style="list-style-type: none"> Efficiency in input delivery and access

S/N	OBJECTIVE	STRATEGY	ACTIVITIES	COST (₦)	TIME FRAME	KEY STAKE HOLDERS	EXPECTED OUTCOMES
			e. Establishment of seed multiplication centers.	16.47m	2008	State, LGs farmers	i. Seed multiplication farms (240ha) established for various crops in the zones ii. Availability of improved seeds.
			f. Establishment of soil laboratory	31,19m	2009-2011	State, Devt. partners	i. Enhancement of soil conservation for maximum productivity. ii. Efficient use of fertilizers iii. Increased in crop yield.
		1.5 facilitate training of manpower for the Agric sector.	i. complete rehabilitation of the existing farm institutes at Kuta, Tegna, Nasko ii. Establishment of school tractor and driver	129m	2008-2011	State, LG, Devt. Partner	i. Increase youth employment. ii. Increase Agric production iii. Improve technical manpower

S/N	OBJECTIVE	STRATEGY	ACTIVITIES	COST (₦)	TIME FRAME	KEY STAKE HOLDERS	EXPECTED OUTCOMES
			mechanics at Agaie ii. Establishment of one college of Agriculture.	18bn	2008-2011		
		1.6 Strengthening the Buffer stock programme through purchase of excess produce from farmers	a. purchase of 10% of grains produced by farmers for storage. b. Repair of Wushishi, Pandogari, Salka and Badeggi silos.	2.224bn 90.0m	2008-2011	State, LGs farmers State, Devt. partners	i. Food security ensured. ii. Encourage production of grains iii. Grains price stability
		1.7 facilitate cotton production and trade	a. Construction of semi-permanent and temporary cotton markets at strategic cotton growing areas b. Procurement of improved cotton seeds, chemicals and grading equipment	18.0m 7.72m	2008-2011	State, private sector State, farmers, private sector	i. Increase in cotton production

S/N	OBJECTIVE	STRATEGY	ACTIVITIES	COST (₦)	TIME FRAME	KEY STAKE HOLDERS	EXPECTED OUTCOMES
		1.8 Strengthening of extension advisory services	Provision of training, logistics, equipment for over 2,078 extension agents	148.2m	2008-2011	State, LGs, private sector	i. Achieve the world standing extension: farmer ratio of 1:600 ii. Increased adoption of improved modern farming techniques
		1.9 Improving public awareness or food production and Agriculture generally	i. Sensitization and mobilization campaigns through print and electronic media and rallies	87.6m	2008-2011	State, LG's private sector	i. Mass awareness created. ii. Increased number of farmers. ii. Increased Agric Production.

B. CORE PROGRAMME TWO: TALBA PROTEIN FOR ALL INITIATIVE

S/N	OBJECTIVE	STRATEGIES	ACTIVITIES	COST (₦)	TIME FRAME	KEY STAKE HOLDERS	EXPECTED OUT COME
2	Increased production of livestock and fish for home consumption, industrial and export purposes	<u>ARTISANAL FISHING</u> 2.1 Conducting Baseline survey on fishing.	i) Conducting survey on fishing. Data generation, analysis and production of bulletin	3.5m	2008-2009	State, LGs	Improved Fisheries data base State wide
		2.2 Protection of river sanctuaries	Review of existing laws, identification of sanctuaries and mobilization, enlightenment of communities	1.6m	2008	State, LGs	i. Increase supply of fish stock fingerlings ii. Increased fish production
		2.3 Enforcement of legislation in fishing	Purchase of 15 no boats and OBEs for surveillance, enlightenment campaigns and establishment of Community based fish mgt. systems	27.05m	2008-2011	State, LGs, private sector	i) Judicious exploitation of Fish. Resources ii) Increase in fish production

S/N	OBJECTIVE	STRATEGIES	ACTIVITIES	COST (₦)	TIME FRAME	KEY STAKE HOLDERS	EXPECTED OUT COME
		2.4 Promoting improved fishing methods, use of appropriate fishing inputs, fish processing and storage techniques	<p>i) Procurement of appropriate fishing inputs.</p> <p>ii) Provision of 30 units each of smoking Kilns, Solar tents and Training.</p> <p>iii) Provision of Ice making machines and other cooling facilities</p> <p>iv) Establishment of Fuel dumps in six locations</p> <p>v) Restocking of depleted water bodies and enlightenment on sustainable fishing practices.</p> <p>vi) Capacity building for fishermen on gear mending, boat and OBE construction and repairs.</p>	<p>15.0m</p> <p>1.9m</p> <p>1.23m</p> <p>15.2m</p> <p>6.55m</p> <p>7.5m</p>	<p>2008-2011</p> <p>2008-2009</p>	State, LGs, Private sector	<p>i) Increase in supply of fishing inputs</p> <p>ii) Adoption of improved Fishing practices.</p> <p>iii) increased fish production</p>

S/N	OBJECTIVE	STRATEGIES	ACTIVITIES	COST (₦)	TIME FRAME	KEY STAKE HOLDERS	EXPECTED OUT COME
		2.5 Establishing access to credit and effective linkages to Donor agencies	Identifying and meeting with credit, Donor Agencies	6.4m	2008-2009	State, Devt. Partners	i) Increased funding to the sector. ii) Increase in fish production
		2.6 Promoting women in Fishing activities	i) Identifying and training women groups in fish processing	2.85m	2008-2009	State, LGs, CBOs	i) Increased participation of Women in fishing activities
		<u>AQUACULTURE:</u> 2.7 Development of Infrastructures for production of fish fingerlings	i) Completion of Tagwai fish hatchery ii) Rehabilitation of Wuya fish farm iii) Development of 10no. Ox-Bow lakes iv) Establishment of fish feed centers in each zone.	21.6m 7.50m 797m 5.3m	2008-2009	State, Devt, partners	i) Increased Fish fingerlings supply ii) Increase in Aquaculture iii) Increased fish production
		2.8 Promoting youth and women empowerment activities in aquaculture	i) Identifying, training and advancing loans to 10 women groups in each zone annually.	8.5m	2008-2009	State, LGs, CBOs, NGOs	i) Reduction in unemployment rate. ii) Increased fish production

S/N	OBJECTIVE	STRATEGIES	ACTIVITIES	COST (₦)	TIME FRAME	KEY STAKE HOLDERS	EXPECTED OUT COME
			ii) Identifying, training and supporting 50 youth in each zone annually. iii) Capacity building (Train the trainers in various aspects of fisheries)	9.70m 3.0m			
		2.9 Promotion of Integrated fish farming system	i) Establishment of fish farming system, in 25 LGAs, identification of 5 groups in each zone and enlightenment campaigns	17.0m	2008-2009	State, LGs, CBOs	Increased fish and crop production
		<u>LIVESTOCK.</u> 2. 10 Revitalising existing Animal Health care services	.i) Renovation of State vet. Center, Minna, Zonal Vet. Clinics and Livestock service centers in 6 locations (Kafinkoro, Erena, Doko, Katcha, Ibbi, and Mariga)	36.0m	2008-2011	State, LGs, Private sector	i) Reduction on outbreak and spread of livestock diseases ii) Increase in livestock production

S/N	OBJECTIVE	STRATEGIES	ACTIVITIES	COST (₦)	TIME FRAME	KEY STAKE HOLDERS	EXPECTED OUTCOMES
			ii) Provision of Laboratory drugs, vaccines, and equipment.	102.0m			
			iii) Sensitization and enlightenment activities on zoonotic diseases	4.7m			
		2.11 Promoting use of improved breeds of livestock and improved Animal production techniques	i) Establishment of livestock improvement and Breeding Centers, LIBCs	100m	2008-2011	State, LGs, Devt. partners	i) Increased supply of Improved Breeds.
			ii) Establishment of 3 Integrated Livestock Demonstration farms in (Paiko, Kudu, Kainji)	120m			ii) Increased meat and milk production
			iii) Resuscitation of Bosso Poultry Production unit and 9 Poultry Demonstration and Holding Centers	151m			iii) Increased poultry and eggs production

S/N	OBJECTIVE	STRATEGIES	ACTIVITIES	COST (₦)	TIME FRAME	KEY STAKE HOLDERS	EXPECTED OUTCOMES
		2. 12Developing and Gazetting of Grazing Reserves	i) Establishment and provision of Infrastructural facilities in 10 Grazing reserves	100m	2008-2011	State, LGs, Devt. Partners	i) Increase in availability of Livestock feeds ii) Increase in number of pastoralist settled iii) Reduction in Farmer-Fulani conflicts iv) Increase in livestock production
		Jebba and Sabon Wuse Control Posts Re-establishment	- Rehabilitation of sickbays at Jebba & Sabon Wuse – 4.5m - Rehabilitation of residential guards at Jebba Control Post 4.0m.	8.50m	2008	State Govt., Federal Govt., Cattle merchant. Road Transport operators	

PROPOSED PROJECTS AND ACTION PLAN OF THE MINISTRY 2008 - 2011

A. CORE PROGRAMME ONE: NIGER STATE FEEDS THE NATION

S/N	OBJECTIVE	STRATEGY	ACTIVITIES	COST (₦)	TIME FRAME	KEY STAKE HOLDERS	EXPECTED OUTCOMES
1.	Mass production of food and cash crops such as Maize, Rice, Yam, Cassava, Cotton, Beniseed, Fruit tress etc.	1.1 Provision of land clearing service and machineries	a. Procurement of 6 number Bulldozer and 2 law beds	240m	2008-2011	State, FGN, LGs, Devt. partners	i. Over 2000ha virgin land put under cultivation annually
			b. Procurement of 4 Rome ploughs	8.3m			ii. Increase in crop production
		1.2 Encourage farm mechanization.	c. Procurement of 1000 Tractors and implements	5.60bn	2008-2011	State, FGN, LGs, Devt. Partners.	i. Increased mechanization of farm activities
			d. Procurement of 150 planters	405m			ii. Reduction in drudgery amongst the youth
			e. Procurement of 150 units of Fertilizer Broad casters	321.75m			iii. Increase in crop cultivation.
			f. Procurement of 100 units of Boom sprayers.	311.14m			

S/N	OBJECTIVE	STRATEGY	ACTIVITIES	COST (₦)	TIME FRAME	KEY STAKE HOLDERS	EXPECTED OUTCOMES
			g. Procurement of 25 No. Harvesters	227.55m			
			h. Rehabilitation of existing zonal mechanical workshop at Minna, Bida and Kontagora.	37.0m			
			i. Construction and equipping of new workshops in the 25 LGA.	375m			
		1.2 Encourage and facilitate Dry season farming	a. Rehabilitation of 12 minor irrigation schemes at Guzan, Rabah, Edo-Lapai, Agaie, Baratsu, Zara, Lioji, Chanchaga I&II, Tamanai and Papiri	3.65bn	2008-2011	State, LGs, Devt. partners	i. Over 6500Ha to be put under dry season crop cultivation ii. Increase in crop production
			b. Development of Mambe and Badeggi flood plains	1.65bn			Potential area of over 10,000ha to be put into use

S/N	OBJECTIVE	STRATEGY	ACTIVITIES	COST (₦)	TIME FRAME	KEY STAKE HOLDERS	EXPECTED OUTCOMES
		1.4 Facilitate the supply of improved farm inputs	a. procurement of 40,000mt of fertilizers annually	2.56bn	2008-2011	State, FGN, LGs, private sector	<ul style="list-style-type: none"> i. Availability of high quality fertilizers ii. Timely supply of fertilizers iii. Increase in crop production
			b. Procurement of 1200mt of improved seeds planting materials annually	36m	2008-2011	State, FGN, NSS, private sector	<ul style="list-style-type: none"> i. Availability of high quality seeds, planting materials.
			c. Procurement of Assorted Agro-chemicals for pest outbreak intervention	8.80m	2008-2011	State, LG, private sector	<ul style="list-style-type: none"> i. Availability of high quality Agro-chemicals. ii. Reduction in post harvest losses. iii. Reduction in pest outbreaks
			d. construction and rehabilitation of farm service centers	250m	2008-2009	State, LGs	Efficiency in input delivery and access

S/N	OBJECTIVE	STRATEGY	ACTIVITIES	COST (₦)	TIME FRAME	KEY STAKE HOLDERS	EXPECTED OUTCOMES
			e. Establishment of seed multiplication centers.	16.47m	2008	State, LGs farmers	i. Seed multiplication farms (240ha) established for various crops in the zones ii. Availability of improved seeds.
			f. Establishment of soil laboratory	31,19m	2009-2011	State, Devt. partners	i. Enhancement of soil conservation for maximum productivity. ii. Efficient use of fertilizers iii. Increased in crop yield.
		1.5 facilitate training of manpower for the Agric sector.	i. complete rehabilitation of the existing farm institutes at Kuta, Tegna, Nasko ii. Establishment of school tractor and driver	129m	2008-2011	State, LG, Devt. Partner	i. Increase youth employment. ii. Increase Agric production iii. Improve technical manpower

S/N	OBJECTIVE	STRATEGY	ACTIVITIES	COST (₦)	TIME FRAME	KEY STAKE HOLDERS	EXPECTED OUTCOMES
			mechanics at Agaie ii. Establishment of one college of Agriculture.	18bn	2008-2011		
		1.6 Strengthening the Buffer stock programme through purchase of excess produce from farmers	a. purchase of 10% of grains produced by farmers for storage. b. Repair of Wushishi, Pandogari, Salka and Badeggi silos.	2.224bn 90.0m	2008-2011	State, LGs farmers State, Devt. partners	i. Food security ensured. ii. Encourage production of grains iii. Grains price stability
		1.7 facilitate cotton production and trade	a. Construction of semi-permanent and temporary cotton markets at strategic cotton growing areas b. Procurement of improved cotton seeds, chemicals and grading equipment	18.0m 7.72m	2008-2011	State, private sector State, farmers, private sector	i. Increase in cotton production

S/N	OBJECTIVE	STRATEGY	ACTIVITIES	COST (₦)	TIME FRAME	KEY STAKE HOLDERS	EXPECTED OUTCOMES
		1.8 Strengthening of extension advisory services	Provision of training, logistics, equipment for over 2,078 extension agents	148.2m	2008-2011	State, LGs, private sector	<p>i. Achieve the world standing extension: farmer ratio of 1:600</p> <p>ii. Increased adoption of improved modern farming techniques</p>
		1.9 Improving public awareness or food production and Agriculture generally	i. Sensitization and mobilization campaigns through print and electronic media and rallies	87.6m	2008-2011	State, LG's private sector	<p>i. Mass awareness created.</p> <p>ii. Increased number of farmers.</p> <p>ii. Increased Agric Production.</p>

B. CORE PROGRAMME TWO: TALBA PROTEIN FOR ALL INITIATIVE

S/N	OBJECTIVE	STRATEGIES	ACTIVITIES	COST (₦)	TIME FRAME	KEY STAKE HOLDERS	EXPECTED OUT COME
2	Increased production of livestock and fish for home consumption, industrial and export purposes	<u>ARTISANAL FISHING</u> 2.1 Conducting Baseline survey on fishing.	i) Conducting survey on fishing. Data generation, analysis and production of bulletin	3.5m	2008-2009	State, LGs	Improved Fisheries data base State wide
		2.2 Protection of river sanctuaries	Review of existing laws, identification of sanctuaries and mobilization, enlightenment of communities	1.6m	2008	State, LGs	i. Increase supply of fish stock fingerlings ii. Increased fish production
		2.3 Enforcement of legislation in fishing	Purchase of 15 no boats and OBEs for surveillance, enlightenment campaigns and establishment of Community based fish mgt. systems	27.05m	2008-2011	State, LGs, private sector	i) Judicious exploitation of Fish. Resources ii) Increase in fish production

S/N	OBJECTIVE	STRATEGIES	ACTIVITIES	COST (₦)	TIME FRAME	KEY STAKE HOLDERS	EXPECTED OUT COME
		2.4 Promoting improved fishing methods, use of appropriate fishing inputs, fish processing and storage techniques	i) Procurement of appropriate fishing inputs. ii) Provision of 30 units each of smoking Kilns, Solar tents and Training. iii) Provision of Ice making machines and other cooling facilities iv) Establishment of Fuel dumps in six locations v) Restocking of depleted water bodies and enlightenment on sustainable fishing practices. vi) Capacity building for fishermen on gear mending, boat and OBE construction and repairs.	15.0m 1.9m 1.23m 15.2m 6.55m 7.5m	2008-2011 2008-2009	State, LGs, Private sector	i) Increase in supply of fishing inputs ii) Adoption of improved Fishing practices. iii) increased fish production

S/N	OBJECTIVE	STRATEGIES	ACTIVITIES	COST (₦)	TIME FRAME	KEY STAKE HOLDERS	EXPECTED OUT COME
		2.5 Establishing access to credit and effective linkages to Donor agencies	Identifying and meeting with credit, Donor Agencies	6.4m	2008-2009	State, Devt. Partners	i) Increased funding to the sector. ii) Increase in fish production
		2.6 Promoting women in Fishing activities	i) Identifying and training women groups in fish processing	2.85m	2008-2009	State, LGs, CBOs	i) Increased participation of Women in fishing activities
		<u>AQUACULTURE:</u> 2.7 Development of Infrastructures for production of fish fingerlings	i) Completion of Tagwai fish hatchery ii) Rehabilitation of Wuya fish farm iii) Development of 10no. Ox-Bow lakes iv) Establishment of fish feed centers in each zone.	21.6m 7.50m 797m 5.3m	2008-2009	State, Devt, partners	i) Increased Fish fingerlings supply ii) Increase in Aquaculture iii) Increased fish production
		2.8 Promoting youth and women empowerment activities in aquaculture	i) Identifying, training and advancing loans to 10 women groups in each zone annually.	8.5m	2008-2009	State, LGs, CBOs, NGOs	i) Reduction in unemployment rate. ii) Increased fish production

S/N	OBJECTIVE	STRATEGIES	ACTIVITIES	COST (₦)	TIME FRAME	KEY STAKE HOLDERS	EXPECTED OUT COME
			ii) Identifying, training and supporting 50 youth in each zone annually. iii) Capacity building (Train the trainers in various aspects of fisheries)	9.70m 3.0m			
		2.9 Promotion of Integrated fish farming system	i) Establishment of fish farming system, in 25 LGAs, identification of 5 groups in each zone and enlightenment campaigns	17.0m	2008-2009	State, LGs, CBOs	Increased fish and crop production
		<u>LIVESTOCK.</u> 2. 10 Revitalising existing Animal Health care services	.i) Renovation of State vet. Center, Minna, Zonal Vet. Clinics and Livestock service centers in 6 locations (Kafinkoro, Erena, Doko, Katcha, Ibbi, and Mariga)	36.0m	2008-2011	State, LGs, Private sector	i) Reduction on outbreak and spread of livestock diseases ii) Increase in livestock production

S/N	OBJECTIVE	STRATEGIES	ACTIVITIES	COST (₦)	TIME FRAME	KEY STAKE HOLDERS	EXPECTED OUTCOMES
			ii) Provision of Laboratory drugs, vaccines, and equipment.	102.0m			
			iii) Sensitization and enlightenment activities on zoonotic diseases	4.7m			
		2.11 Promoting use of improved breeds of livestock and improved Animal production techniques	i) Establishment of livestock improvement and Breeding Centers, LIBCs	100m	2008-2011	State, LGs, Devt. partners	i) Increased supply of Improved Breeds.
			ii) Establishment of 3 Integrated Livestock Demonstration farms in (Paiko, Kudu, Kainji)	120m			ii) Increased meat and milk production
			iii) Resuscitation of Bosso Poultry Production unit and 9 Poultry Demonstration and Holding Centers	151m			iii) Increased poultry and eggs production

S/N	OBJECTIVE	STRATEGIES	ACTIVITIES	COST (₦)	TIME FRAME	KEY STAKE HOLDERS	EXPECTED OUTCOMES
		2. 12 Developing and Gazetting of Grazing Reserves	i) Establishment and provision of Infrastructural facilities in 10 Grazing reserves	100m	2008-2011	State, LGs, Devt. Partners	i) Increase in availability of Livestock feeds ii) Increase in number of pastoralist settled iii) Reduction in Farmer-Fulani conflicts iv) Increase in livestock production
		Jebba and Sabon Wuse Control Posts Re-establishment	- Rehabilitation of sickbays at Jebba & Sabon Wuse – 4.5m - Rehabilitation of residential guards at Jebba Control Post 4.0m.	8.50m	2008	State Govt., Federal Govt., Cattle merchant. Road Transport operators	