

ACTION PLAN PROPOSAL AFTER THE IRRIGATION INFRASTRUCTURE

OVERALL GOAL

Established Commercial Dairy Training Centre

MISSION

- Food Security
- Sustainable income
- Good nutrition
- Good home hygiene

STRENGTH

- Water for production in place (Irrigation system on 15 acres)
- Labour available (skilled/unskilled)
- Big market
- Good security
- Good friendly people

WEAKNESSES

- Disorganised Administrator structure
- Multiple farming ideas among stakeholders
- Rudimentary farming technology

OBJECTIVES

- Produce milk
- Process milk
- Market milk and milk products
- Train farmers/ students in dairy husbandry and milk processing (Commercial Dairy Farming)

LOGICAL FRAMEWORK OF OBJECTIVE IMPACT ON WORKERS AND TRAINEES.

OBJECTIVE	KNOWLEDGE	SKILLS	ATTITUDE
1. Produce milk	Feeding	<ul style="list-style-type: none"> • Silage making. • Hay making. • Concentrate making. • Feeding skills. • Feed storage. • Fodder production. • Adlib watering. • Calf feeding. 	Appropriate feeding of livestock.
	Disease control	<ul style="list-style-type: none"> • Spraying • Vaccination • Prepare balance diet • Early disease detection. 	Good livestock care.
	Breeding	<ul style="list-style-type: none"> • Breeding/ selection. • Curling • Castration. 	Always to have the appropriate stock.
	Housing	<ul style="list-style-type: none"> • Farm construction. • Stocking rates. 	Value animal housing and stocking rates.
	Record keeping	<ul style="list-style-type: none"> • Inventory • Financial records 	Be critical on records.
	Management	<ul style="list-style-type: none"> • Administrative skills. 	Have administration on that farm.
	Clean milk production	<ul style="list-style-type: none"> • Hygiene of the animal, equipment and the milker. 	Hygiene attitude in production.
2. Process milk	<ul style="list-style-type: none"> • Ice cream production. • Yoghurt production. • Fresh milk packing. • Cheese production. 	<ul style="list-style-type: none"> • Ice cream making. • Yoghurt making. • Packing and branding. • Cheese making. • Hygiene of house, equipment and the processor. 	Have milk as a raw material.
3. Market milk and milk products	<ul style="list-style-type: none"> • Advertisement. • Branding. • Market creation and survey. 	<ul style="list-style-type: none"> • Product promotion. • Brand. 	Respect for own brand.
4. Train farmers/ students	<ul style="list-style-type: none"> • Dairy husbandry. • Farm chores. 	Skills in all farm practices.	Farming as a business.

OBJECTIVE	ACTIVITIES
Produce milk	<ul style="list-style-type: none"> • Produce feeds. • Make silage. • Produce legumes/concentrates. • Feed the animals. • Milk the animals. • Take records. • Control disease. • Breed the herd. • House the animals.
Process milk	<ul style="list-style-type: none"> • Cool the milk. • Freeze the products. • Produce yoghurt. • Produce ice cream. • Pack the milk. • Brand.
Market milk and milk products	<ul style="list-style-type: none"> • Transport to the market • Advertise.
Train farmers/ students	<ul style="list-style-type: none"> • Practical demonstrations. • Teaching. • Outreach programmes. • Refresher courses to trainers in and out of the country. • Computer skills • Liaison meetings with Government and other training institutions.

N.B: An automatic new investment plan has come up (fish farming). We have water volume of 60 m x100 m x 4m
If we rare 2 fish per m² , then we can manage 1200 fish in the pond.

IMMEDIATE PROCUREMENTS PLANNED

Cows

- Construction of cow shades for 15 cows.
- Procure 15 good milking cows of at least 20 L per day.
- Milking Machine

Milk Processing

- Cooler
- Freezer
- Ice cream machine
- Yoghurt making equipment
- Prepare the milk processing house (already in place but needs completion).

Training

- Computer lab

Marketing

- 1 Pick-up
- Advertisement

ALREADY IN PLACE

- 30 acres of land.
- Garden for feed production. (15 acres irrigation farm)
- Tractor.
- Milking machine.
- Electricity.
- Solar system.
- Pick up
- Water (piped, dam, rain harvest, borehole)
- Labour (skilled and unskilled)
- Maize chopper
- Dairy unit (5 Cows holding capacity)
- Piggery unit
- Poultry House (incomplete)
- Goats unit.
- Feed mill (small scale)
- Syllabus for training. (It is already made under the monitoring of an American expert Ms. Michaela and improved by a Dutch Expert Mr. Paulus Hettinga.
- School constructed four classes and office.
- Incomplete roofed structure

N.B.: We have an existing total investment worth 1 billion Uganda Shillings. (Shs Ib.)

TENTATIVE CALENDAR FOR FEEDS PRODUCTION ON THE 15 ACRE IRRIGATED LAND

January – March	- Maize, silage production – Maize matures in 2½ to 3 months.
April – July	- Soya bean product/ or beans - It could be a legume or protein crop of own choice.
September – December	- Maize for harvest (here maize is grown to maturity to get corn for feeds to all the livestock. It will be mixed with Soya and other ingredients to produce concentrate.

BUDGET SUMMARY OF REQUIREMENTS

Cow shade (15 cows)	15,000,000
15 Cows	60,000,000
200 L cooler	10,000,000
Fridge	5,000,000
Milking machine (milking 4 cows at a time)	4,000,000
Ice cream processing machine	30,000,000
Yoghurt machine	5,000,000
Milk processing house (Finishing)	20,000,000
Computers (10)	50,000,000
1 Pick-up	50,000,000
Advertisement	10,000,000
TOTAL	259,000,000

N.B: Exchange rate Ugx to USD
1 \$ = 3757,21 Ugx