

Kinangop

At "Gitite"

1. Point one

Baby peas to be harvested tomorrow

Harvesting after 2.5 months

Harvesting twice a week

60kg per week is harvested

Harvest duration 1 month

Slope of the farm aids flow of water rather than places with flat land

Watering 2 times a week

Last year there were potatoes

1 bag potatoes input for $\frac{1}{4}$ acre input harvest 12 bags

Intercropping Maize help peas prevent pests and for animal fodder

Market availability is scarce when rain comes rather than dry season

Fertiliser application boosts productivity, more than manure. Fertiliser is expensive

Input for maize intercropping per $\frac{1}{4}$ acre $\frac{1}{4}$ kg

Start to end of harvest $\frac{1}{4}$ acre 240kg per month

Previously forest cleared

Water availability: they have a reservoir

Bee keeping and peas & flowering.

Soil type: loam soil

Farming can be done with tractors: farms are small (they're hired)

Average farm size per farmer: 2 acres n below

Oats can also do well.

Lack of extension services because of cost

Carrots cabbages peas potatoes maize spinach are crops grown here.

Pest Aphids and white flies

2. Point two

Nursery with flowers for export 7 m by 4 m

They're not transplanted

Flower type: scabiosa

Harvest time 1 to 8 months

Sold to local market

Per stem 1.5ksh

Flower Seeds per bucket ksh.1500

Point 3: rained potatoes

harvesting potatoes

Rain was scarce and yields are low

Planting date October last year

Without irrigation

Output 1 bag of 130kg harvest 40 to 60kg bags

Input 6 bags 230kg each harvest

Plot size 1 acre

Growth period 3 months "sangi" depending on variety . They were ready by 15 January

With irrigation yields r more 70 bags (warm climate n adequate water)

Harvested late because of market acre. Pruning leaves extends time before harvest

Market for produce is a major challenge. Prices per bag of 130 kilos is 2500 to 2800 but should be 3k

Standardisation of weight per bag to 50kg shouldn't be done coz there's no direct market

50kg was 500 and lowest prices for 130kg was better at 2k per bag.

Consultation should be done to the farmers rather than asking from towns

Fruits also do well eg pears. Challenge: they

Plums and tree tomatoes do well too.

Farmer ½ acre expecting 15 to 20 bags. Had Input 3 bags

No diseases, extreme sunshine causes crop damage

I plant good quality potatoes gives about 30 potatoes

Maize don't do well because of cold

Fertilizers a major challenge

Tree tomatoes are not irrigated. Scattered but healthy. 8 months to get fruits.



Irrigated potatoes
Overhead irrigation at night

Planting time Feb 20 harvest time May 2022

Size 10x7m

Storage: in sacks. when covered with grass they can last a month. If exposed to sun they turn green. If spread on a raised place and covered with grass can last 2 months. No chemicals r used for storage.

Gooseberries also grow on their own

Two to 3 bags will be harvested from here.

Fertilizer done twice, top dressing and Planting one.

The larger the stem the more the yields.

Avocado do not do well.

Yellow arum lily flowers

Stays in soil as seed bulb dormant for 6 months. Then harvested again after 6 months and it rejuvenates again and again.

Brokers harass the farmers. Farmer wants to sell his produce at higher prices. Scarcity of tools for work eg wheelbarrow.

Transport from the town to the farm is expensive.

At Geta Bush



Peas Planting date January 1. 2 months growth. Harvest starts end of months.

Harvesting period 2 to 3 months

Harvesting once a week. Average 300kg per week

Farm size approx one acre.

Irrigating twice a week. Overhead irrigation.

Input: 12 bags each 1 kg for the 1 acre

3 feet separation of Planting lines. Per plant no specific spacing

Preparation of land cost : sticks 10,000/= , thread 6000 per growth period

land tillage per acre 7000. Trench cutting cost 2100 (2 days). About 50,000 is used inclusive of fertilizer (DAP) for land preparation.



Above photo: unknown disease

Anti frost spray 7000 aside from labour. 500 for spraying

Wastage: through overgrowth. Around 5%

Snails are a major challenge.

Previous crop: potatoes. The potatoes bring fungi to the peas.

Harvested in December. They take 5 to 6 months. The sangi" variety.

Maize pollen

Weeding 3 times

Grass to break soil erosion

When the peas are not threaded, yields are low. Some farmers find it expensive.



Fertilizer application twice: triple17 or CAN is used for top dressing.

Trees aid in reducing soil erosion

Farm size: 4 to 5 acres per farmer on average.

Irrigated Potatoes

Pl60kg per week is harvestedanted 15 Jan expected harvest May

Expected 50 bags each 100kg

Input: 3 bags of 150kg at 3000/= Not purchased at times, regenerated from farm.

Irrigation 3 times a week

Weeding 2 times till harvest

Planting and top dressing using DAP and CAN respectively

No fertiliser = few yields

Diseases : frost

Pest: worms

Water availability: adequate, from an intake project

Potatoes per plant: 4 to 7

No standard spacing

With Irrigation, can plant any time.

potatoes 2

Farm size: Half acre

planted 1st Dec, to harvest 15 April

Planting time by those who wait for rain: July. Harvested in November

Market: better during irrigation because of supply/ demand balance

Fertilizer application: twice

Pesticides: anti frost

Rain doesn't affect Harvesting

Other crops: onions, Carrots

Pesticides have failed to control snails.

Spring Onions



Planted November/ October last year. Harvesting can be done this month.

Input: 2 stems. Output 13+ stems per plant.

No irrigation
No fertilizer
No pest or diseases
Rain boosts production
Irrigation also boosts production
Per sack of onions: negotiated by buyers.
Plot size: 25x50
approx kilos per bag: 200 kilos
No standardised market for onions
Weeding once or twice.

Seasons: July to Nov.
And continuous rainfall. No defined rain seasons.
Farms neighbor Aberdares Forest
Cost of maintaining cows is low, and cost of milk is low.
Moles are a challenge
Water availability is more on windward than leeward Hill sides.

Soil type: black cotton

Geta Leeward Side
Planting around January 15 when there's short rain
Rains end of Feb, October and April there are also rains
Depends solely on rain
Jan to May and Sep to March are Planting seasons. No specific plants per season
Plants: Potatoes, Carrots, cabbages, French beans and peas. Pears and Oats also do well.
peas 3 months growth, potatoes
Rain is a challenge. Yields are low.
Fertilizer application: DAP, and CAN for top dressing
1 acre produces 30 bags each 90kg.
Input: 4 bags of 90kg
French beans harvested once a week for a harvest period of 1 month
Snails are not present in rain fed farming
Maize and beans don't do well
Flowers are also grown, and spinach
Currently doing farm preparations
Extreme sunshine destroys crops.



