

OAKFORD AGRI-VILLAGE

Steering Committee

Administration and Finance

Co-op Marketing and Sales

Marketing

Brand Development

Design Product logo/image, bottle shape and packaging

Marketing: Banners/Flags/Posters/Flyers/Billboards/ Roadside Large Vegetable Effigy

Create sales points

On-site market to supply locals and passing trade

In-town Veg shop

Roadside informal stalls

Sales

Reps go out to known markets to sell raw produce in bulk eg Municipal Fresh Produce Market, Early Morning Market, Foodlover's Market etc.

Reps sell processed products to Checkers, Pick n Pay, SPAR, Shoprite, Woolworths etc.

Co-op Compost Making

20 Compost Makers

Requirements: Concrete apron with leachate drainage, Raw Organic Matter (OM) receiving hopper, Mature compost storage hopper,

Tools: Tractor and PTO driven wood chipper, Hayforks, Forks, Spades, Wheelbarrows, Hosepipes, Tarpaulins

Homestead Growers

963 Resident families

Assets received: 1 Jojo Tank, 2 Outlets to the Jojo tank, 1 Grey water harvesting system, 4 Veggie beds prepared by Project Team

Requirements: Forks, Spades, Rakes, Hand-trowel, Watering can

Co-op Growing Area

Grow bed area

800 x 10m sq Beds, 400 Growers

Beds are excavated and soil replaced with a prepared growing medium

Irrigation Water supply system: Harvesting road storm water into off-stream ponds, Pumps to lift water to elevated 10 x 10000l tanks

Irrigation network: Two line of irrigation pipes with drippers per 10m bed

Requirements: Compost, Fertiliser, White Shadecloth, Support stakes, Pesticide & Fungicide

Tools: Forks, Spades, Rakes, Watering cans, Hand-trowels, Twine

Aquaponics

2 White shadecloth shade house

Open tanks for fish culture with circulatory pumps and aerators

PVC pipe structure for the growing of hydroponic vegetables

Requirements: Shade house framework - CCA Treated poles, 8 Gauge galvanised wire, White shade cloth, PVC tanks for the fish, Pumps to lift water to Hydroponic system, Aerators for fish, Framework structure to support Hydroponic system, PVC pipes with holes drilled for plant pots, End-caps for pipes, PVC elbows to join pipes, Pots for plants to grow in, Perlite grow medium to plant seedlings into

Tools: Catch nets, Buckets to transport fish, pH meter reader, EC Meter, Nitrogen meter, Phosphate meter, DO meter

Co-op Cut Flower Grow Area

3.66 Hectares, Fenced/Security

Planting terraces cut into the landscape

Cut flower plants planted on terraces: Roses, Marigold

Requirements: Wind protection, Drip Irrigation system, Compost, Fertiliser, Support stakes

Tools: Spades, Forks, Secateurs, Hands sprayers, Back-pack sprayers, Outflower collecting baskets

Co-op Fruit orchards

Bananas

Medium-term Project

3.52 Hectares

800 Trees per/Ha

Requirements: Disease free trees, Irrigation system, Support poles, Cover bags, Spades

Pawpaw

Medium-term Project

1.98 Hectares

2000 Trees/Ha

Requirements: Female trees grown from seed, Tree stakes, Irrigation system, Compost, Mulch, Weed-eater collar, Spades

Avocado

Long-term Project

3.36 Hectares

300 Trees/Ha

Requirements: Trees, Tree stakes, Irrigation system, Compost, Mulch, Weed-eater collar, Spades

Mango

Long-term Project

6.2 Hectares

500 Trees/Ha

Requirements: Trees, Tree stakes, Irrigation system, Compost, Mulch, Weed-eater collar, Spades

Litchi

Long-term Project

5.35 Hectares

500 Trees/Ha

Requirements: Grafted Trees, Tree stakes, Irrigation system, Compost, Mulch, Weed-eater collar, Spades

Co-op Apiary

50 Bee Hives, 10 Beekeepers

Pollination service: Honey, Beeswax, Propolis

Requirements: Secured Area, 50 Brood Boxes, 100 Super Boxes, 50 Hive stands, 10 Hive tools, 10 Smokers, 1 Honey Extractor, 1 Honey sieve, 1000 Bottles and lids, 1000 Labels, 50kg Bee food for 1st year, Water source

Co-op Processing Facility

Primary Processing

Procedure: Harvested veg is delivered to Receiving office, Veg is weighed or counted and recorded, Veg is washed in troughs, Veg is packed for market or Veg is semi-processed before packaging, Packed veg is stored in the fridge ready for market

Requirements: Undercover area with a floated concrete floor where there are wash troughs with running clean water and concrete work tables, Walk in fridge with shelves

Tools: Plastic sealing machines, Plastic wrapping machines, Plastic bag dispenser, Plastic bag sealing machine, Knives, Scissors, Cutting boards

Advanced Processing

Procedure: Semi-processed veg enters kitchen, Veg is prepared for cooking, Veg is cooked, Veg is bottled as Jam, Chutney, Pickle or Preserve

Finished product is labeled, Finished product is packed ready for market, Ready product is packed in dry store

Co-op Lifestock

Hectares Grassland and Riverine forest

Stocking rate of 5 LSU/Ha

= 47 Goats

Growth rate of 42%/annum = 20 goats

Co-op Poultry

Locations for 4 poultry houses of 50m sq

250 Chickens per poultry house

250 Chickens replaced every 6-7 weeks

Chickens sold at R50 ea