Namibia

Biofuels Namibia (Pty) Ltd

Lev Leviev Biofuels Namibia (Pty Ltd

A Quest for partnership

March 2010

L.L.BIOFUEL

Tel: +264-61386100

Fax: +264-61249253

P.O. Box 3498
7 Ruhr Street
Northern Industrial
Windhoek, Namibia

L.L.Biofuel: Business plan

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L.L.Biofuel: Business plan

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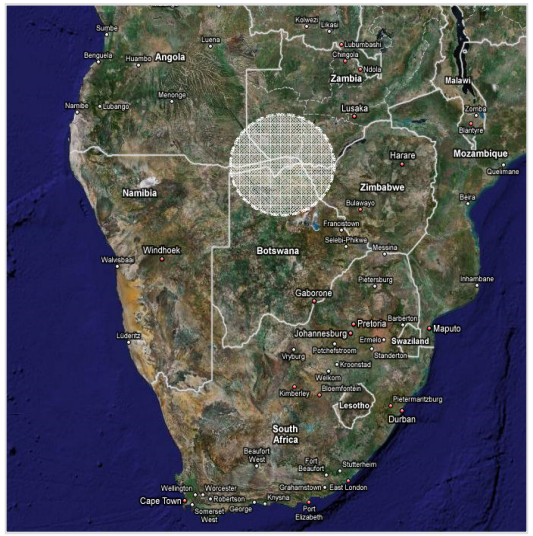
1 L.L.BIOFUEL NAMIBIA

Food & Oil



- High value Food production
- 2nd generation oil crops

The Caprivi region:

The Green Basket of Namibia

2.1 L.L.Biofuel Namibia

LEVIEV LGC GROUP OF COMPANIES

L.L. BIOFUEL NAMIBIA

Food crops

Oil crops

Consults: Experts From Israel

Consults: Experts From India

Vegetables Fruits

Food Factory

Honey

grains

Pork farm

Fish farm

Castor oil

Jatropha oil

2.2 Food & Oil production

- Onion
- Potato
- Maize
- Cabbage
- Banana
- Jatropha oil
- Castor oil
- Tomato
- Pepper
- Sweet potato
- Apples
- Oranges
- Sweet melon
- Water melon
- Carrot
- Lettuce
- Cucumber
- Wheat
- Millet
- Leguminous

- Food Factory

- Honey

- Pork farm

- Fish farm

2.3 Shareholders & Stakeholders

Biofuels Namibia (Pty) Ltd

Lev Leviev Biofuels Namibia (Pty Ltd

Part of The Leviev Group Companies (L.G.C)
Experience and knowledge in establishing agricultural projects for food & oil crops in Namibia and additional African countries.
http://www.thelevievgroup.com

Stakeholders:

1. THE COMMUNITY OF THE CAPRIVI REGION
2. MINISTRY OF AGRICULTURE, WATER AND FORESTRY--
3. MINISTRY OF ENVIRONMENT AND TOURISM
4. CAPRIVI REGIONAL COUNCIL
5. KATIMA MULILO TOWN COUNCIL
6. NATIONAL YOUTH SERVICE
7. TRADITIONAL AUTHORITIES

3 Project Assumption

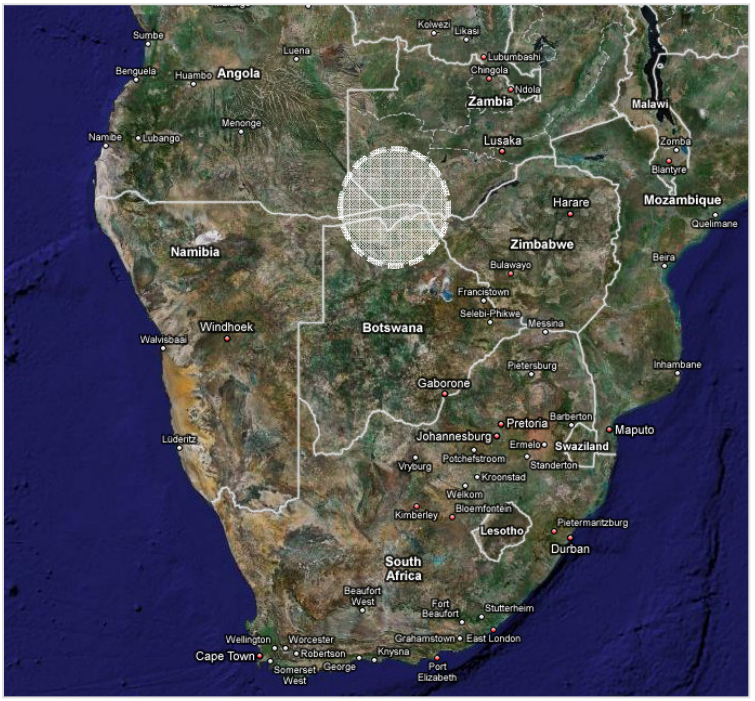
1. **Creating sustainable and profitable agricultural food & Oil production.**

2. **Reducing dependence on imported food.**

3. **Employment creation for the rural community through agriculture for at least 20,000 directly or indirectly.**

4. **Introducing modern methods of agriculture and a variety of food & oil Production.**

3.1 Project Location: Katima-Mulilo



1. We have secured with the community 300,000 Ha in a holding trust.
2. We are in negotiations to secure 300 million m3 of water from the ZUMBEZI river.
3. We have a natural cannel to bring the water to all the locations.

3.1.2 Food factory

The project is located in an old Air Port Army Base:

- We have many facilities for a factory
- We have 116 rooms for workers



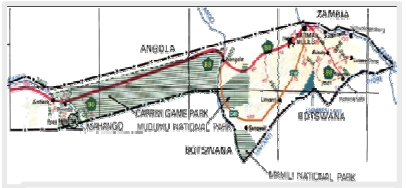







3.2 Why Namibia? Why the caprivi?

Agriculture in the Caprivi, Namibia



CAPRIVI

1. Stable government
2. Secured business environment
3. Big rivers – annual water supply
4. Annual comfortable weather for agriculture
5. Labor available – 60% unemployment in Namibia
6. Only 1% of the land is used for agriculture
7. No competition – only few small farmers
8. Namibia import 70% - 90% of the food consumption
9. Big export opportunities for neighbors countries
10. 300,000 customers in 500 km radius
11. 3,000,000 customers in 1500 km radius

4 Project Phases & Schedule

L.L.BIOFUEL
FACIBILITY RESEARCH
01/2007- 05/2008

Phase 1
Evaluation farm
50 Ha
05/2008 - 12/2009

Phase 2
Semi commercial
Adding 50 Ha
Total 100 Ha
12/2009 - 03/2011

Phase 3
Commercial
Adding 300 Ha
Total 400 Ha
From 03/2012

Phase 4
Commercial
Adding 1,600 Ha
Total 2,000 Ha
From 03/2013

Phase 5
Commercial
Adding
20,000 Ha
From 03/2013





4.1 Phases: Field crops

Crops	Phase 1	Phase 2	Phase 3	Phase 4	Phase 5
Onion	5	15	100	500	0
Potato	5	15	100	500	0
Maize	1	2.5	40	200	4,000
Cabbage	6	5	25	125	0
Banana	1.25	5	25	125	0
Jatropha	15	15	15	75	2,000
Castor	0	2.5	15	75	2,000
Tomato	5	5	10	50	0
Pepper	5	5	10	50	0
Sweet potato	1.25	5	10	50	0
Apples	0	2.5	5	25	0
Oranges	0	2.5	5	25	0
Sweet melon	1.25	2.5	5	25	0
Water melon	1.25	2.5	5	25	0
Carrot	2	2.5	5	25	0
Lettuce	2	2.5	5	25	0
Cucumber	0	2.5	5	25	0
Wheat	0	2.5	5	25	4,000
millet	0	2.5	5	25	4000
Leguminous	0	2.5	5	25	4,000
Total	**50 Ha**	**100 Ha**	**400 Ha**	**2,000 Ha**	**20,000 Ha**

4.1.1 Phase 1 50 Ha

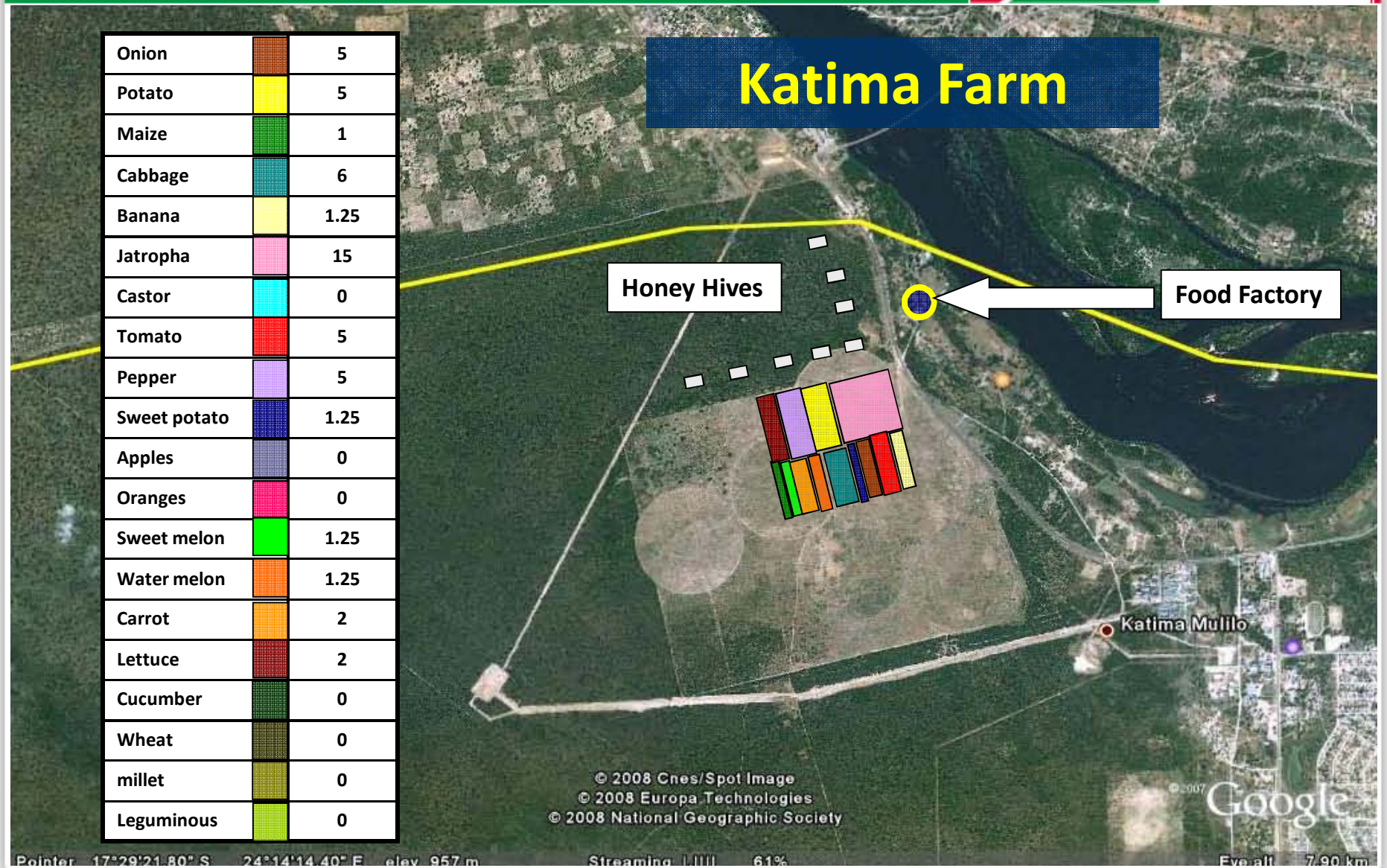
Phase 1 – Evaluation Farm:

Agricultural Research (Trials) on 50 hectares:

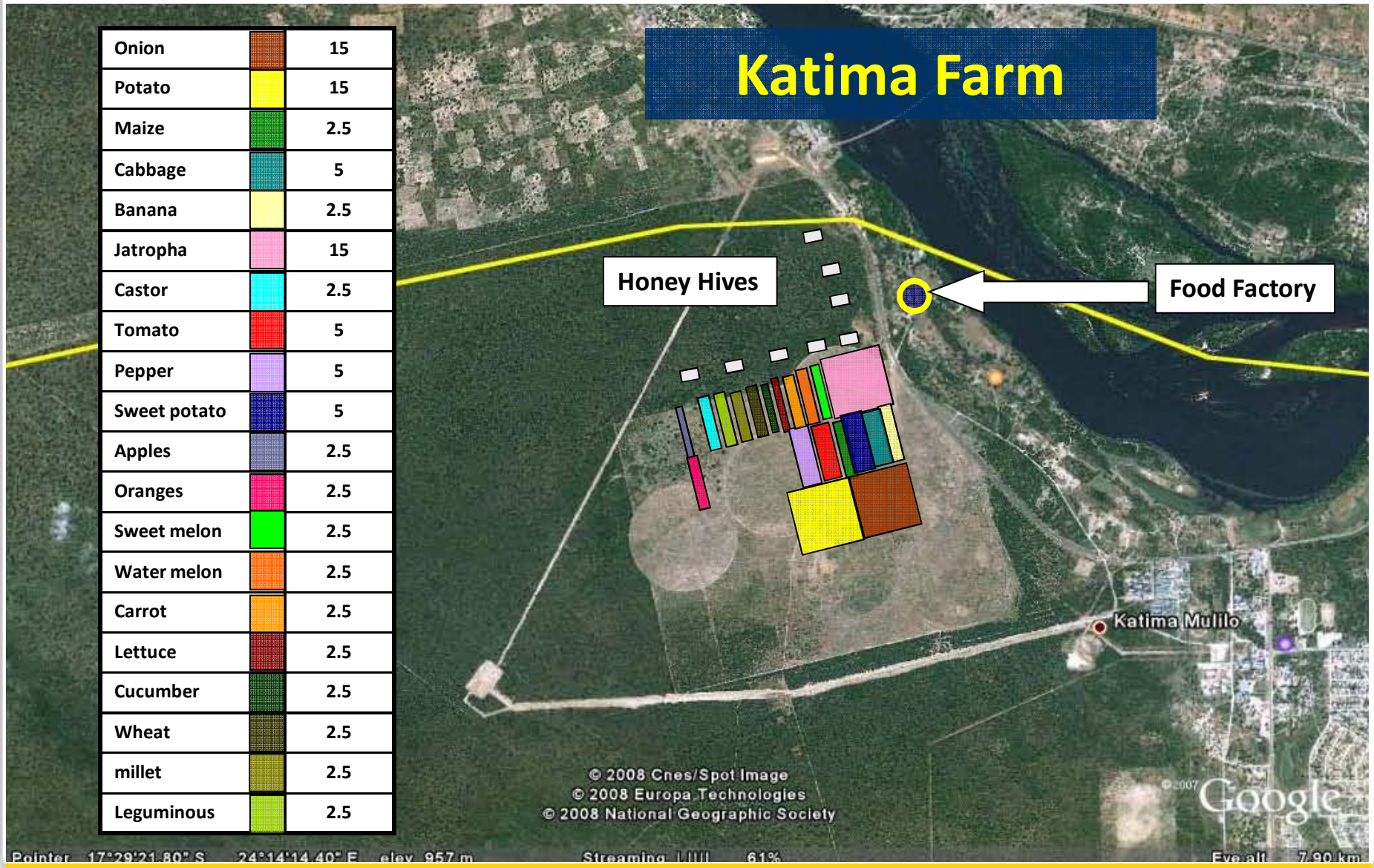
1. Identify best types suitable for the Caprivi region.
2. Identify best agro-technical treatments.
3. Identify the best variety of crops for the caprivi.
4. Identify types of diseases and pest control.
5. Create local high skills labors and management.
6. Identify the customers and the markets.

4.1.2 Phase 1 50 Ha Today:

Onion	5
Potato	5
Maize	1
Cabbage	6
Banana	1.25
Jatropha	15
Castor	0
Tomato	5
Pepper	5
Sweet potato	1.25
Apples	0
Oranges	0
Sweet melon	1.25
Water melon	1.25
Carrot	2
Lettuce	2
Cucumber	0
Wheat	0
millet	0
Leguminous	0



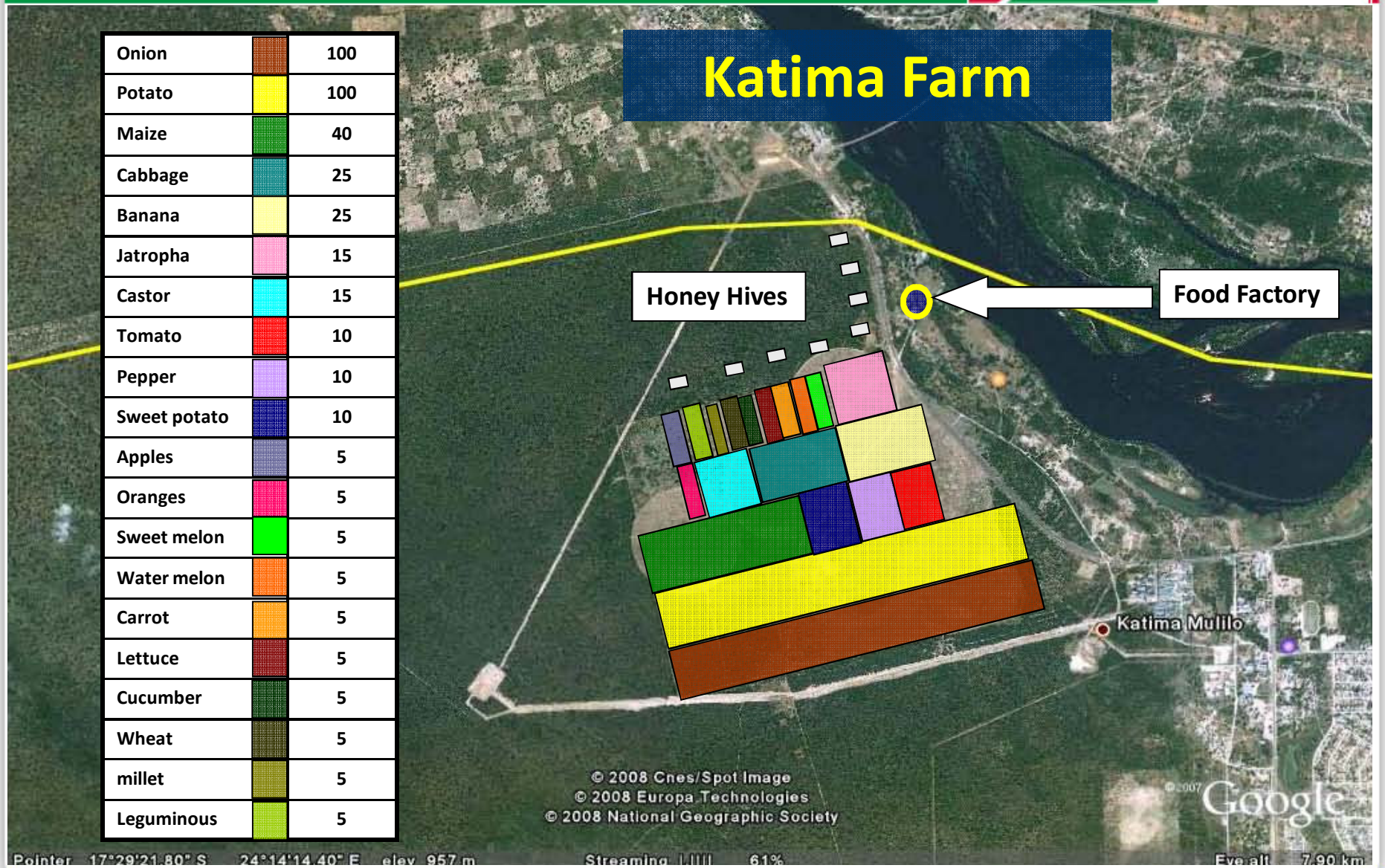
4.2 Phase 2 100 Ha



Onion	15
Potato	15
Maize	2.5
Cabbage	5
Banana	2.5
Jatropha	15
Castor	2.5
Tomato	5
Pepper	5
Sweet potato	5
Apples	2.5
Oranges	2.5
Sweet melon	2.5
Water melon	2.5
Carrot	2.5
Lettuce	2.5
Cucumber	2.5
Wheat	2.5
millet	2.5
Leguminous	2.5

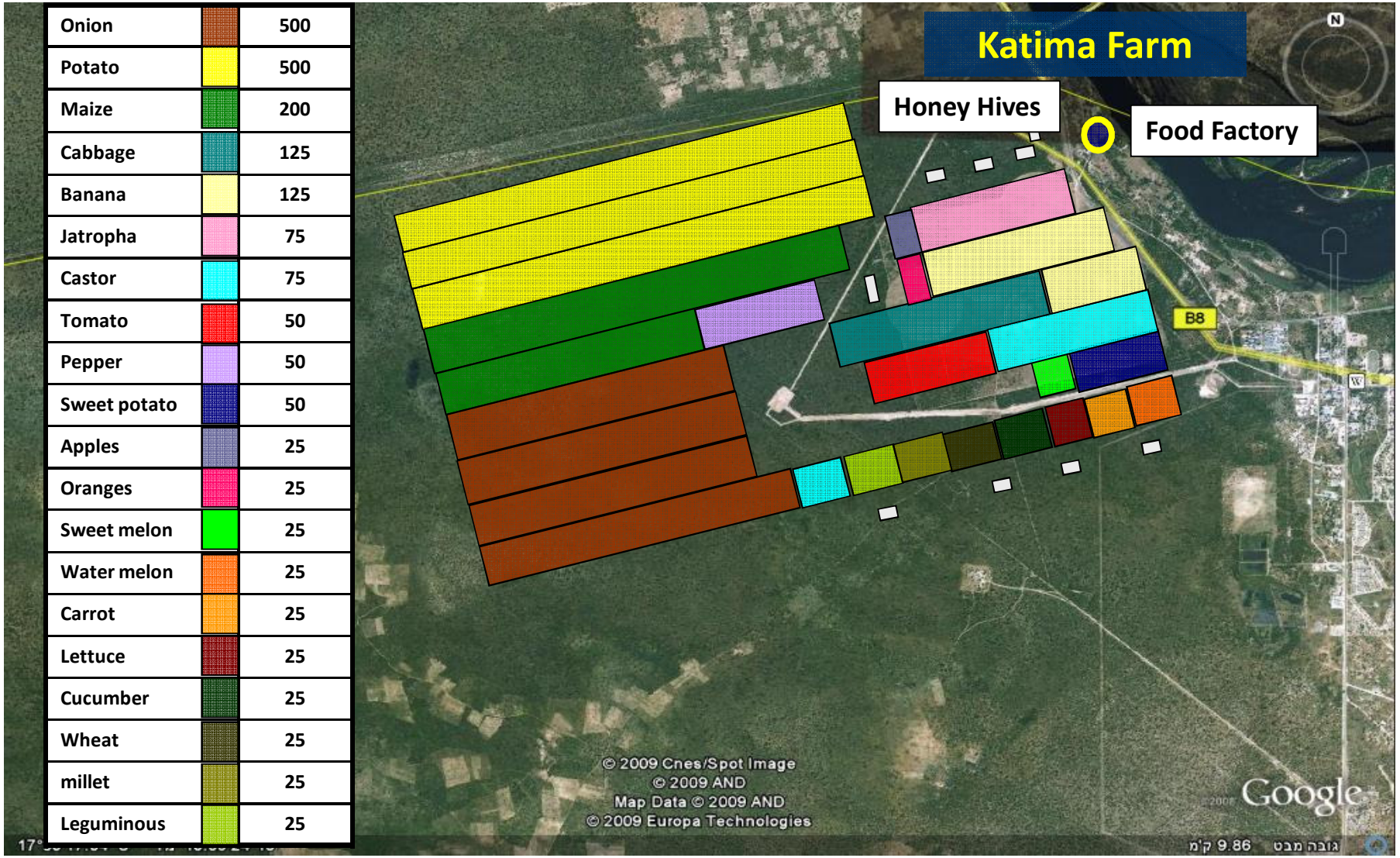
4.3 Phase 3 400 Ha

Onion	100
Potato	100
Maize	40
Cabbage	25
Banana	25
Jatropha	15
Castor	15
Tomato	10
Pepper	10
Sweet potato	10
Apples	5
Oranges	5
Sweet melon	5
Water melon	5
Carrot	5
Lettuce	5
Cucumber	5
Wheat	5
millet	5
Leguminous	5



4.4 Phase 4 2,000 Ha

Onion		500
Potato		500
Maize		200
Cabbage		125
Banana		125
Jatropha		75
Castor		75
Tomato		50
Pepper		50
Sweet potato		50
Apples		25
Oranges		25
Sweet melon		25
Water melon		25
Carrot		25
Lettuce		25
Cucumber		25
Wheat		25
millet		25
Leguminous		25



4.5 Phase 5 20,000 – 300 K Ha

Large Scale Production up to 300 K Hectares

Replications of 20,000 hectares plots in different regions of the country including Caprivi until 300,000 hectares.

Maize (sweet + grains)	4,000
Wheat	4,000
Leguminous	4,000
millet	4,000
Jatropha	2,000
Castor	2,000
Total	20,000

5.1 Phase 1: Infrastructure Summary

Feasibility studies	**$300,000**
Irrigation	**$360,000**
Facilities	**$50,000**
Agriculture machines	**$200,000**
Agriculture Materials	**$50,000**
Total	**$960,000**

5.2 Phase 1 50 Ha CAPEX & OPEX

Total CAPEX 50 Ha	
Details	Investments
Infrastructure	$0 (already done)
Green houses	158,960
Fish farm	0
Pork farm	10,000
Machinery	332,925
Irrigation	76,125
Total CAPEX	578,010

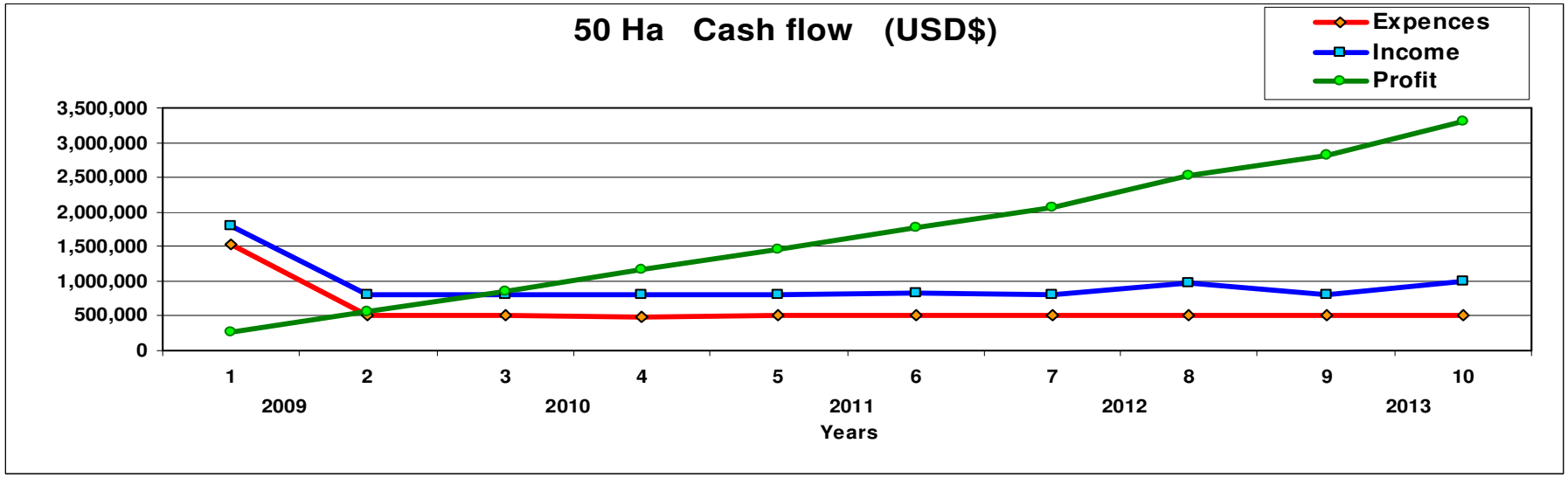
Total OPEX 50 Ha 1 Month	
Details	Investments
salaries	16,660
expenses	16,035
growing expenses	34,249
Total OPEX 1 Month	66,944

5.3 Phase 1 50 Ha Cash Flow

Phase 1 (50 Ha) Cash flow table $										
	1		2		3		4		5	
Year	2009	2009	2010	2010	2011	2011	2010	2010	2011	2011
Half	1	2	1	2	1	2	1	2	1	2
Balance of loan. End of period	540,000	480,000	420,000	360,000	300,000	240,000	180,000	120,000	60,000	0
Loans begin of period	1,000,000	0	0	0	0	0	0	0	0	0
Capex + contingency	578,010									
Opex	408,657	404,557	404,672	406,672	411,820	420,245	431,706	442,256	433,005	440,225
Income	796,200	796,200	796,200	796,200	796,200	826,200	796,200	976,200	796,200	988,200
Principals loan repayment	400,000	0	0	0	0	0	0	0	0	0
Principals on Capex	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000
Interest on loan	75,000	40,500	36,000	31,500	27,000	22,500	18,000	13,500	9,000	4,500
Balance	274,533	291,143	295,528	298,028	297,380	323,455	286,494	460,444	294,195	483,475
Farm profit	274,533	565,675	861,203	1,159,231	1,456,611	1,780,066	2,066,560	2,527,004	2,821,199	3,304,673

5.3 Phase 1 50 Ha Finance Analyze

Finance Analyze 50 Ha (USD$)										
	1		2		3		4		5	
Year	2009	2009	2010	2010	2011	2011	2010	2010	2011	2011
Expenses	1,521,667	505,057	500,672	498,172	498,820	502,745	509,706	515,756	502,005	504,725
Income	1,796,200	796,200	796,200	796,200	796,200	826,200	796,200	976,200	796,200	988,200
Balance	274,533	291,143	295,528	298,028	297,380	323,455	286,494	460,444	294,195	483,475
Profit	**274,533**	**565,675**	**861,203**	**1,159,231**	**1,456,611**	**1,780,066**	**2,066,560**	**2,527,004**	**2,821,199**	**3,304,673**



6 Marketing plan

- **DOMESTIC CONSUMPTION**

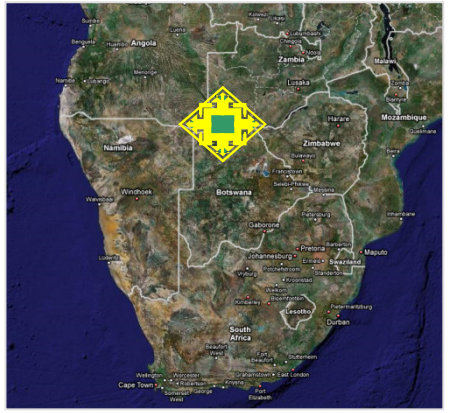
- **EXPORT TO NEIGHBOURING COUNTRIES:**

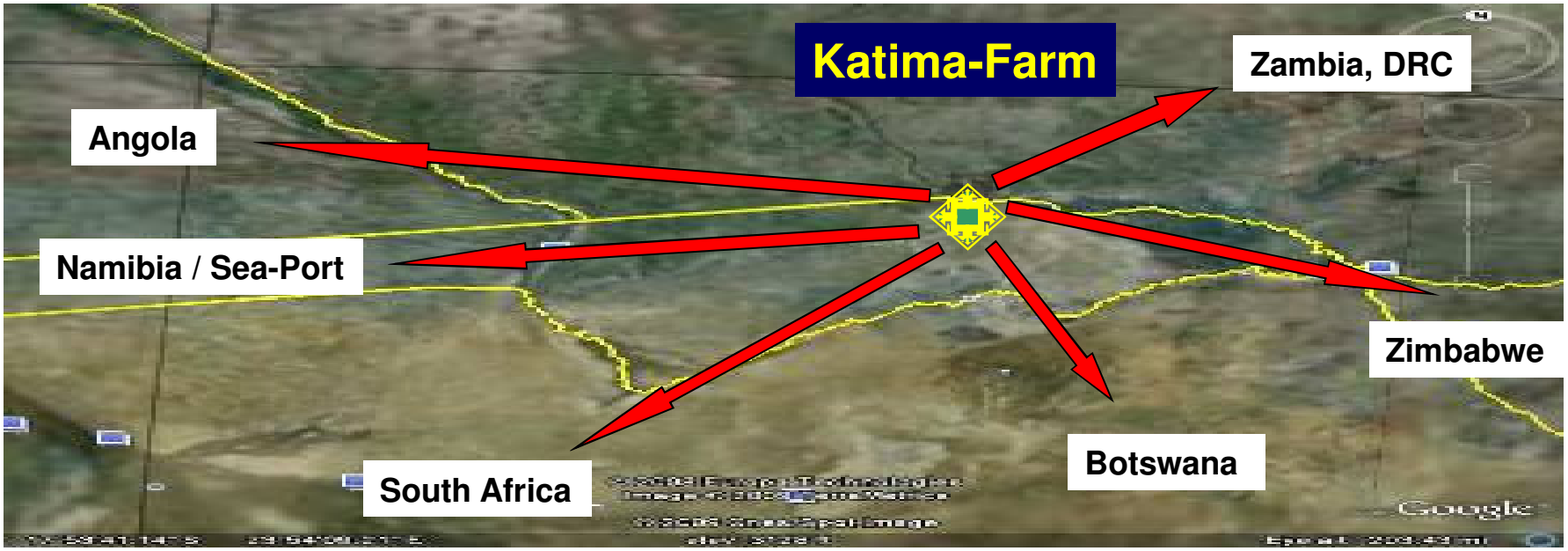
  ANGOLA, BOTSWANA, ZAMBIA, ZIMBABWE, DRC, S.A

- **EXPORT TO USA , EUROPE**

6.1 Marketing: Food customers

- 30,000 Consumers in Katima-Mulilo
- 6 Countries to export
- 300,000 consumers in 500 km radius
- 3,000,000 consumers in 1500 km radius

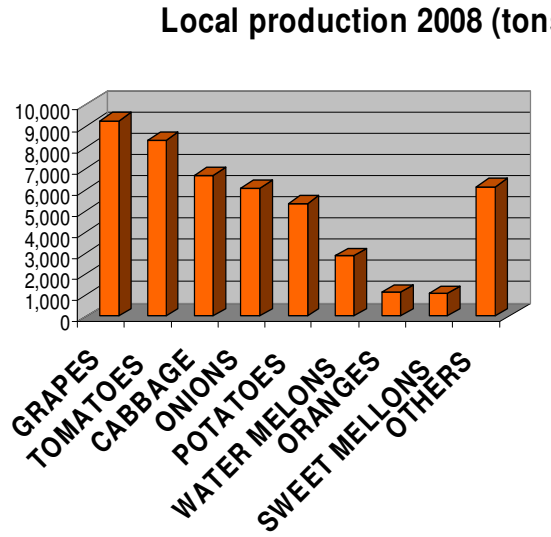




6.2 Namibia market 2007/8

1. **Total production 46,436 tons**
2. **Total Import 87,000 tons**
3. **Total export 25,301 tons**

1



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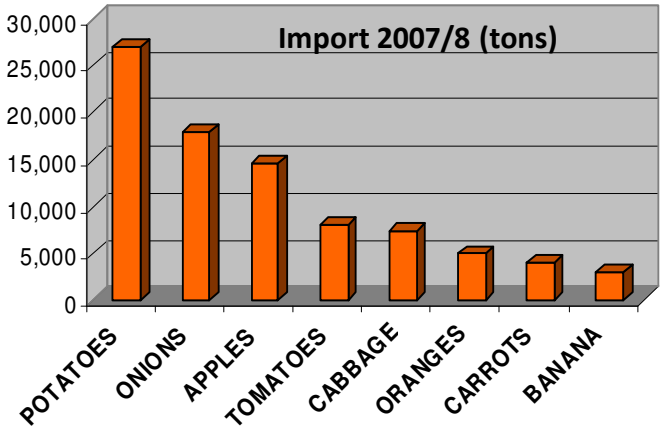

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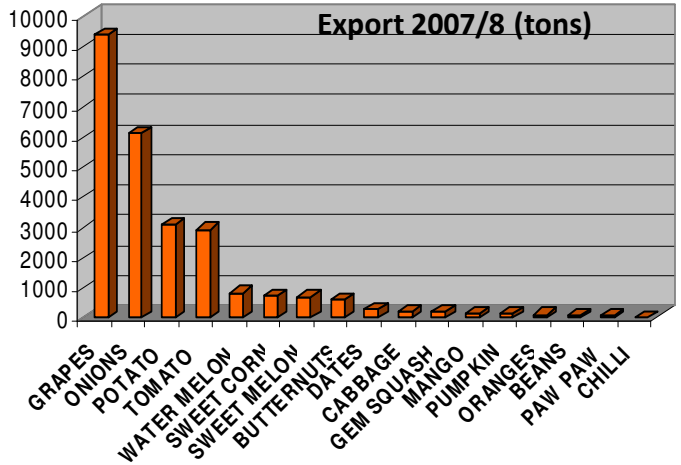

7.1 Benefits To Namibia: Political

1. **Food independency**
2. **High-Tech Agricultural production**
3. **Become a leader in the African agriculture arena**
4. **Strengthen the Trade relations with the world**

7.2 Benefits To Namibia: Economical

1. **High Value Food Production**

2. **Oils production**

3. **Export opportunities**

<u>Neighbor countries</u>: Angola, Zambia, Zimbabwe, Botswana

<u>In season:</u> South Africa

<u>Off season:</u> Europe, USA

7.3 Benefits To Namibia: Social

Stage 1: Evaluation farm

New **150** jobs

Create Namibian experts

Stage 2: Upscale to Semi commercial

New **2,000** jobs

Create Namibian experts

Stage 3-5: Commercial large scale farming

New **20,000** jobs

Create Namibian experts

8.1 Ecologists supporting the project

Professor **Pua Bar (Kutiel)** Israel	Expert in invasive alien plants and sand dune conservation and management Chair of the Environmental Studies Program Department of Geography and Environmental Development Ben Gurion University ,Israel
Professor **Elsa du Toit** South Africa	Agronomist, Expert in weeds Department of Plant Protection and Soil Science, University of Pretoria, Pretoria, South Africa
DR. **Tuvia Yaacoby** Israel	Expert in controlling weeds and invasive alien plants Chief Herbologist in Israel Ministry of agriculture and rural development, plant protection and Inspection Services
DR. **Jean-Marc Dufour Dror** France, Israel	Expert in invasive plants Department of crops and nature resources Volcani Agriculture Institution Sorbonne University , France

8.1.1 Ecologists supporting the project

Professor **Pua Bar (Kutiel)** **Israel**	Tel: + 972-86477164 Fax: +972-86472821 Email: kutiel@bgu.ac.il
Professor **Elsa du Toit** **South Africa**	Tel: (012) 317-8216 (W) Fax: (012) 322-8570 Cell: 082-494-5133 Email: elsa.dutoit@dme.gov.za
DR. **Tuvia Yaacoby** **Israel**	Tel: + 972-39681525 Fax: +972-39681582 Email: tobyy@moag.gov.il
DR. **Jean-Marc Dufour Dror** **France, Israel**	Tel: + 972-26511865 Fax: +972-02-6523963 Email: jmdd@netvision.net.il

8.2 Scientist supporting the project

Enhanced Biofuels & Technologies (I) Pvt Ltd

pioneers in the field of Biofuel production using Non edible Sources of feed stock like Jatropha and Algae.
Natural Science combined with the Innovative Technology in the field of Research and Development.

Biofuel Research & Development Centre
#5/10 C Alankar Garden,
G.N.Mills Post, Coimbatore 641 029,
Tamilnadu, India
Phone: +91 422 2645660 , 2645630
FAX: +91 422 2645640
info@ebtiplc.com

Agroproject:

multidisciplinary professionals with training and skills gained in Israel, the USA and a multitude of project locations around the world.
Team experience spans the range of agricultural sectors, different climatic conditions, multiple cultures and evolving economic environments

AGRO-PROJECTS DEV. (N.Y.) L.P
Yakum 60972, Israel
Tel: +972-9-9524181
Fax: +972-9-9524190
www.agroproject.co.il

L.L.Biofuels Namibia
Food production & Oil crops

We are looking for win-win partnerships

Thank you

The Leviev Group of Companies

L.L.BIOFUEL

Tel: +264-61386100

Fax: +264-61249253

P.O. Box 3498

7 Ruhr Street

Northern Industrial

Windhoek, Namibia

Ricky Lilami

rickylilami@gmail.com