

Name: [REDACTED]

POB: [REDACTED]

Age: [REDACTED]

Land type: Rented land – 5 feddan

Highest Education: Diploma in Agriculture

Total number of family members: 1 under the same roof

Total owned acreage – 5 F

Do you employ farmers at your land? Yes, and sometimes I use mechanised harvesting

The main cash crops: Sesame – Wheat – Peppermint

The highest return crops: Peppermint

Are you an organic farmer? Sometimes in peppermint

The main irrigation source? Nile

The main energy source for the irrigation system? Petrol

Did you contract with a company before? When? No

Do you understand the meaning of sustainability? No

Can you give me an example of non-sustainable agriculture? I don't know.

What are the challenges that you face during cultivating your land?

- Water scarcity - mainly in peppermint when planted organically, the surrounding farmer do pesticides which mainly affect the harvest when analysed.

What are the issues that face the exportation of your crops or the neighbouring farmers?

- The unavailability of middlemen

What are the technological solutions that you think might help in solving some of the mentioned issues?

- Using the combiner in harvesting instead of workers (12000 LE with workers vs 3000 LE with combiner).
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Name: [REDACTED]

POB: [REDACTED]

Age: [REDACTED]

Land type: Owned

Highest Education – BSc. of Social Services

Total number of family members: 7 living under the same roof

Total acreage: 5 feddan

Do you employ farmers at your land?

Yes, and sometimes I use mechanised harvesting and wheat planters.

The main cash crops: Clover - Fava Bean - Wheat – Green Onion

The highest return crops: Peppermint and Mango

Are you an organic farmer? Yes, but not always – I only plant organic Peppermint to export

The main irrigation source: Nile

The main energy source for the irrigation system: Solar Energy and Petrol

Did you contract with a company before? When? yes on 2012 with SEKEM

Do you understand the meaning of sustainability?

- To have the means of sustainability to have the most efficient use of the surrounding resources.

Can you give me an example of non-sustainable agriculture?

- The water used in irrigation is not efficient, a lot of wasted water from other farmers.

- The used equipment is not maintained so the motors used consume a lot of gasoline and the machines are not covered which reduce the shelf-life of the machine and use a lot of energy to serve the same purpose.

What are the challenges that you face during cultivating your land?

- 1) weed plants (Galingal plant)
- 2) The roads are not paved
- 3) the farmers are far away from the market
- 4) High quality products are missing – There is no reliable source for farm related products “inauthentic”
- 5) The government is no longer supporting the farmers with guidance and consultancy.
- 6) The subsidised products are not always available in the governmental agencies.
- 7) There is no place that you can complain at in case something went wrong with the contract.

What are the challenges that face Egypt in the prospect of agriculture and food production?

- The standard qualities of the imported countries are quite high and we cannot meet these standards.

What are the issues that face the exportation of your crops or the neighbouring farmers?

- The competition with other countries, the foreign products are cheaper because the labour there is not as expensive as Egypt.
- The unavailability of middlemen

What are the technological solutions that you think might help in solving some of the mentioned issues?

- The efficient use of mechanisation in Agriculture (harvester for peppermint – Planter and combiner for wheat harvesting).
- The use of solar energy in irrigation.

What are the solutions that you have used to solve some of these challenges?

- Solar energy (even with adding the cost of the maintenance of the solar energy and irrigation equipment I still save money)

What are the qualities that you want to see in the graduates you deal with?

- The graduates mainly lack the practical exposure to the field – I like to see in the graduates the practical technicalities so I can trust the advice they recommend.

What are the current legislations and programs available for helping the food producers?

- The concept of subsidising the agriculture products.

Name: [REDACTED]

POB: [REDACTED]

Age: 46

Land type: Owned

Highest Education – Diploma in Agriculture

Total number of family members: 6

Total acreage: 6 F

Do you employ farmers at your land?

- Yes, and sometimes I use mechanised agriculture

The main cash crops Mango: Wheat – Clover

The highest return crops: Mango

Are you organic famer? No

The main irrigation source: Nile

The main energy source for the irrigation system? Petrol

Did you contract with a company before? When? No

Do you understand the meaning of sustainability?

Yes – The use of solar energy, drip irrigation to save water, mechanised planting

Can you give me an example of non-sustainable agriculture?

The burning of the crops' radius

What are the challenges that you face during cultivating your land?

- The lack of marketing support
- The lack of technical support
- There are no factories nearby to use the harvest and process it.
- The inefficient use of water due to the reliance on sugarcane
- The lack of subsidised products from the government and small loans
- The road is not suitable for transporting goods

What are the challenges that face Egypt in the prospect of agriculture and food production?

Poor quality of the imported food products

What are the issues that face the exportation of your crops or the enamouring farmers?

- The desired crops are organic which is not easy to apply here because of the cost
- The middlemen are abusing the farmers with the low prices

What are the technological solutions that you think might help in solving some of the mentioned issues?

- The use of new technological approaches in Energy (wind – solar), renewable energy in general

What are the solutions that you have used to solve some of these challenges?

- Mainly subsidised products and low profit loans from the government

What are the qualities that you want to see in the graduates you deal with?

- The practical applications of the suggested advices should be covered in the quality of education

What are the current legislations and programs available for helping the food producers?

I can't find any!

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Name: [REDACTED]

POB: [REDACTED]

Age: 35

Land type: None

Highest Education: None

Total number of family members: 6

Total acreage: Worker on someone's land

Do you employ farmers at your land? No

The main cash crops: Sugarcane – Eggplant – Okra – Squash – Mallow plant

The highest return crops – Wheat

Are you organic farmer? No, we have to fertilize with chemicals

The main irrigation source: Nile

The main energy source for the irrigation system: Petrol

Did you contract with a company before? When? No

Do you understand the meaning of sustainability? No

Can you give me an example of non-sustainable agriculture? No

What are the challenges that you face during cultivating your land?

- Plant diseases even when using chemical pesticides
- The lack of authentic products
- Water scarcity
- The energy is not available (Electricity)
- Agricultural products are expensive

What are the challenges that face Egypt in the prospect of agriculture and food production? I don't know

What are the issues that face the exportation of your crops or the neighbouring farmers? I don't know

What are the technological solutions that you think might help in solving some of the mentioned issues? Mechanization!

What are the solutions that you have used to solve some of these challenges?

I'm the ones who need help

What are the qualities that you want to see in the graduates you deal with?

Experience in practice

What are the current legislations and programs available for helping the food producers? I can find any!

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Name: [REDACTED]

POB: [REDACTED]

Age: 49

Land type: Rented

Highest Education: High school

total number of family members: 6

Total acreage: 10 F

Do you employ farmers at your land – yes

The main cash crops: Sugarcane – Clover – Wheat – Barley

The highest return crops: Sugarcane

Are you organic farmer? No, we have to fertilize with chemicals

The main irrigation source: Nile

The main energy source for the irrigation system? Petrol

Did you contract with a company before? When? No

Do you understand the meaning of sustainability? No

Can you give me an example of non-sustainable agriculture? No

What are the challenges that you face during cultivating your land?

- Lack of energy (Electricity)
- No infrastructure
- The road is not paved
- The prices are high for the fertilizers and seeds

What are the challenges that face Egypt in the prospect of agriculture and food production? I don't know

What are the issues that face the exportation of your crops or the neighbouring farmers? I don't know

What are the technological solutions that you think might help in solving some of the mentioned issues? Solar energy in powering the machines.

What are the solutions that you have used to solve some of these challenges?

The government should pay attention and visit us to know our problems and try to solve it!

What are the qualities that you want to see in the graduates you deal with?

To have practical experience.

What are the current legislations and programs available for helping the food producers? None

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Name: [REDACTED]

POB: [REDACTED]

Age: 62

Land type: Owned

Highest Education: Prep. school

Total number of family members: 6

Total acreage: 4 F

Do you employ farmers at your land? Yes, at Planting, Ploughing and Harvesting



The main cash crops: Wheat – Fava Bean – Clover – Corn – Rice - Sugar beet

The highest return crops: Wheat – Sugar beet - Clover

Are you organic farmer? No

The main irrigation source: Nile

The main energy source for the irrigation system: Flooding irrigation no motors used

Did you contract with a company before? When?

- Yes – 1960 governmental agencies

Do you understand the meaning of sustainability? No

Can you give me an example of non-sustainable agriculture? No

What are the challenges that you face during cultivating your land?

- High prices for fertilisers and seeds
- Not enough workers available

What are the challenges that face Egypt in the prospect of agriculture and food production?

- Everything is random, no support what so ever

What are the issues that face the exportation of your crops or the neighbouring farmers? They take my harvest and don't give me all the money, I no longer deal with them.

What are the technological solutions that you think might help in solving some of the mentioned issues?

- In the past we used to see support from the government with mechanisation, but this is no longer happening.

What are the solutions that you have used to solve some of these challenges?

- Subsidising the cultivation requirements and give us good prices for the harvest

What are the qualities that you want to see in the graduates you deal with?

- Should be from neighbouring villages and the guidance should be practically applicable

What are the current legislations and programs available for helping the food producers? Government everyday says a lot and doesn't do anything!!

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Name: [REDACTED]

POB: [REDACTED]

Age: 40

Land type: Owned land

Highest Education: Diploma in crafts

Total number of family members: 6 under the same roof

Total owned acreage – 5 F

Do you employ farmers at your land? Yes all the season

The main cash crops: Tomatoes - Clover – Wheat

The highest return crops: Tomatoes - Wheat

Are you an organic farmer? I know organic but never used it

The main irrigation source? Nile

The main energy source for the irrigation system? Petrol

Did you contract with a company before? When? No

Do you understand the meaning of sustainability? No

Can you give me an example of non-sustainable agriculture? I don't know.

What are the challenges that you face during cultivating your land?

- No available machines and high prices of agricultural products

What are the issues that face the exportation of your crops or the neighbouring farmers? Didn't try exportation before

What are the technological solutions that you think might help in solving some of the mentioned issues?

We need the government's support and come visit us in our working environment

What are the qualities that you want to see in the graduates you deal with?

Don't sell me words and give me something useful to apply

What are the current legislations and programs available for helping the food producers? None

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Name: [REDACTED]

POB: [REDACTED]

Age: 68

Land type: Owned

Highest Education: B.Sc. in Agriculture

Total number of family members: 5

Total acreage: 30 F

Do you employ farmers at your land – yes all the seasons in all the agricultural practices

The main cash crops: Cotton – Sugar beet - Flaks – Tomatoes

The highest return crops: Sugar beet

Are you organic farmer? No

The main irrigation source: Nile

The main energy source for the irrigation system? Flooding irrigation no motors used

Did you contract with a company before? When? Yes – 1990 (The sugar company – Tanta for flaks oil)

Do you understand the meaning of sustainability?

Yes, to maintain my soil and at the same time get the highest production

Can you give me an example of non-sustainable agriculture?

Not using a studied crop rotation

What are the challenges that you face during cultivating your land?

- High labour wages
- Unavailability of high-quality agricultural varieties (seed), and the fertilizers that are soil in the black-market are unauthentic

What are the challenges that face Egypt in the prospect of agriculture and food production?

- No contract farming
- No Support in marketing

What are the issues that face the exportation of your crops or the neighbouring farmers?

- For tomatoes, there are no screening station and no cooling storage and fluctuation of prices within a short period of time.
- No standardization for the packages (sizes do not corelate with the demanded weight)
- Very short period of time to export.

What are the technological solutions that you think might help in solving some of the mentioned issues?

- Mechanisation in harvesting, screening and sorting the harvest.
- High quality transportation vehicles
- Available high-tech collection facilities

What are the qualities that you want to see in the graduates you deal with?

- To be honest in guiding me and do not act as sales rep.
- Suggest alternatives for the current low-quality agricultural products.

What are the current legislations and programs available for helping the food producers?

I have heard there is a law for organic production but did not receive proper guidance in this regard.

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Name: [REDACTED]

POB: [REDACTED]

Age: 29

Land type: Rented

Highest Education: High school

Total number of family members: 4

Total acreage: 15 F

Do you employ farmers at your land? yes all the seasons in all the agricultural practices

The main cash crops: Plum - Pear – Mango - Grapes - Eggplants - Onion - Fava Ben

The highest return crops: Grapes - Onion

Are you organic farmer? No

The main irrigation source: Underground water

The main energy source for the irrigation system? Electricity

Did you contract with a company before? When? Yes once – 2019 (Al Gamal Company)

Do you understand the meaning of sustainability?

No

Can you give me an example of non-sustainable agriculture?

Don't know

What are the challenges that you face during cultivating your land?

- High water and energy prices
- No guidance from the government
- Water salinity some times

What are the challenges that face Egypt in the prospect of agriculture and food production?

- Lack of marketing support
- High prices of fertilisers and seeds
- Unauthentic products
- Climate fluctuations
- Middlemen abuse with the products' prices

What are the issues that face the exportation of your crops or the neighbouring farmers?

- Too much standards are required.
- Lack of standard coding pricing and knowledge amount of the required good before the season starts
- Exporting is only to Arabian countries because of the high European standards

What are the technological solutions that you think might help in solving some of the mentioned issues?

- Mechanisation
- Try solar energy

What are the qualities that you want to see in the graduates you deal with?

- Must be University graduate
- Must have practical knowledge and give me planting recommendations based on the current climate

What are the current legislations and programs available for helping the food producers? I did not see anything from the government!!

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Name: [REDACTED]

POB: [REDACTED]

Age: 47

Land type: Owned

Highest Education: Diploma in Agriculture

Total number of family members: 7

Total acreage: 5 F

Do you employ farmers at your land? yes all the seasons in all the agricultural practices

The main cash crops: Mango – teen shoky - Orange

The highest return crops: Mango

Are you organic farmer? No

The main irrigation source: Nile

The main energy source for the irrigation system? Flooding

Did you contract with a company before? When? No

Do you understand the meaning of sustainability? No

Can you give me an example of non-sustainable agriculture? No

What are the challenges that you face during cultivating your land?

- Lack of skilled labour
- No availability of machines nor fertilisers
- High water salinity
- The air is contaminated from the cement factory near us

What are the challenges that face Egypt in the prospect of agriculture and food production?

- Fluctuation of marketing prices
- Climate is not stable
- High prices of the agricultural requirements
- Unauthentic products

What are the issues that face the exportation of your crops or the neighbouring farmers?

- Never tried exportation

What are the technological solutions that you think might help in solving some of the mentioned issues?

- Mechanisation

What are the qualities that you want to see in the graduates you deal with?

- Must have practical experience and know about the crop rotation
- To come here more often not just once

What are the current legislations and programs available for helping the food producers?

I don't know

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