



LIFE Integrated Projects 2016

Optimising the implementation of the 2nd RBMP in the Malta River Basin District

LIFE 16 IPE MT 008



Action A.4:

Stakeholder Assessment and Perception Survey

***Results of the Agriculture Stakeholder Perception Survey on the Development of the Water
Sector in the Maltese Islands***

Water Survey – Agriculture

SURVEY UNDERTAKEN IN NOVEMBER 2019

GENERAL INFORMATION

Target population of this survey consisted of those agricultural holdings involved in crop cultivation, livestock farming and mixed farming. Total population for this survey consisted of 9,557 holdings residing in the Maltese Islands. Those holdings that cultivated only fodder and/or the agricultural area was set-aside, together with the wineries were not included in the population.

From the survey, it resulted that most of the agricultural holdings operate in crop husbandry (82.1 per cent) followed by livestock farming (14.6 per cent) and mixed farming (3.4 per cent). Farming in the Maltese Islands is generally undertaken by sole holders (87.6 per cent), while only 0.6 per cent form part of a company.

Table1. Holdings' main activity

Main Activity	Number of holdings	%
Crop Husbandry	7,843	82.1
Livestock Farming	1,391	14.6
Mixed farming	323	3.4
Total	9,557	100.0

Table 1. Holdings' legal economic responsibility

Legal Economic Responsibility on Holding	Number of holdings	%
Sole owner	8,371	87.6
Partnership	1,132	11.8
Part of a company	53	.6
Total	9,557	100.0

AGRICULTURAL LAND

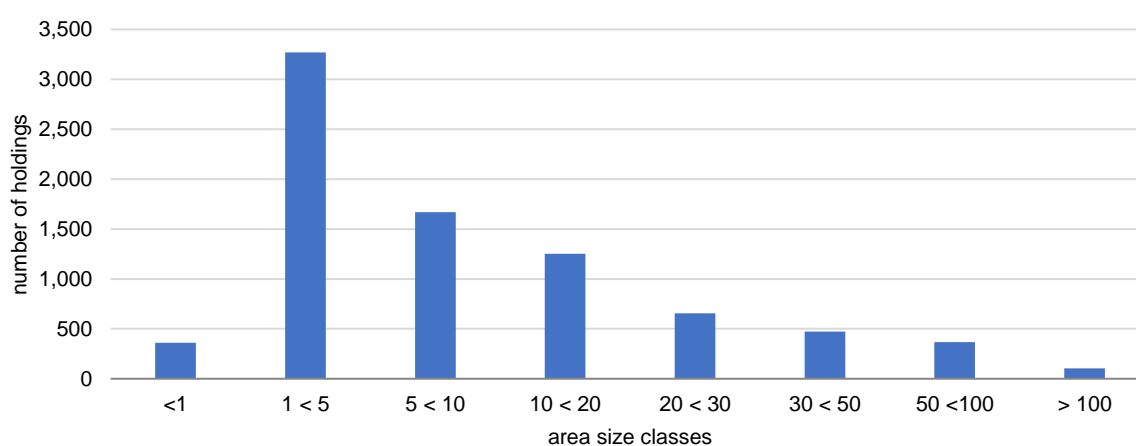
The following data refer to those agricultural holdings, 8,166 in total, who are engaged in crop husbandry or mixed farming (crops and livestock).

An analysis of the land area shows that 65.0 per cent of the agricultural holdings who are engaged in cultivation of crops had less than 10 tumoli of utilised agricultural area (UAA), while only 1.3 per cent of these holdings had over 100 tumoli of UAA.

Table 2: Land area in tumoli

Area in tumoli	Number of holdings	%
No reply to this question	18	0.2
<1	360	4.4
1 < 5	3,271	40.1
5 < 10	1,670	20.5
10 < 20	1,252	15.3
20 < 30	655	8.0
30 < 50	471	5.8
50 <100	366	4.5
> 100	103	1.3
Total	8,166	100.0

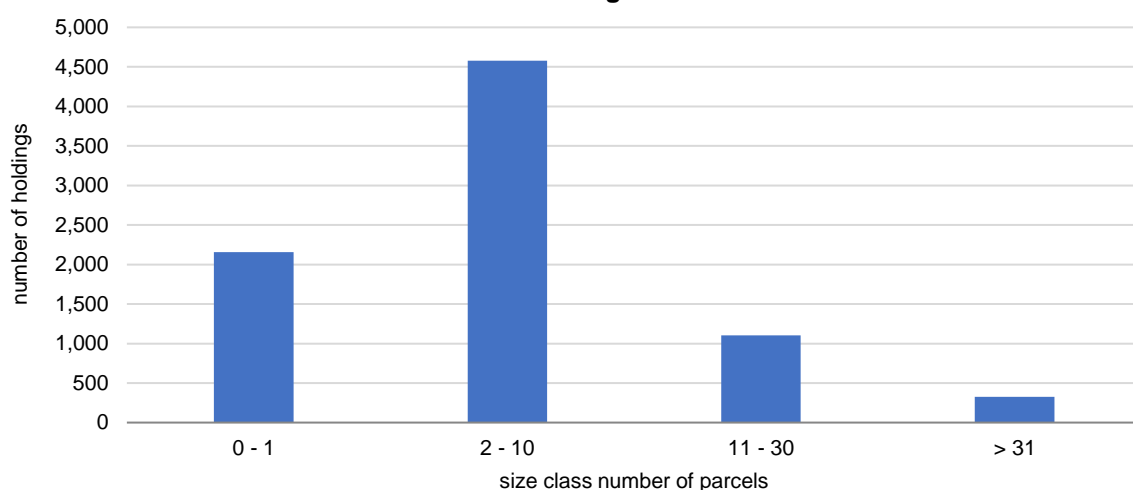
Chart 1. Land area in tumoli



It also resulted that the majority of the agricultural holdings, over 55.0 per cent, had between two and ten land parcels while only 327 holdings or 4.0 per cent had more than 31 parcels.

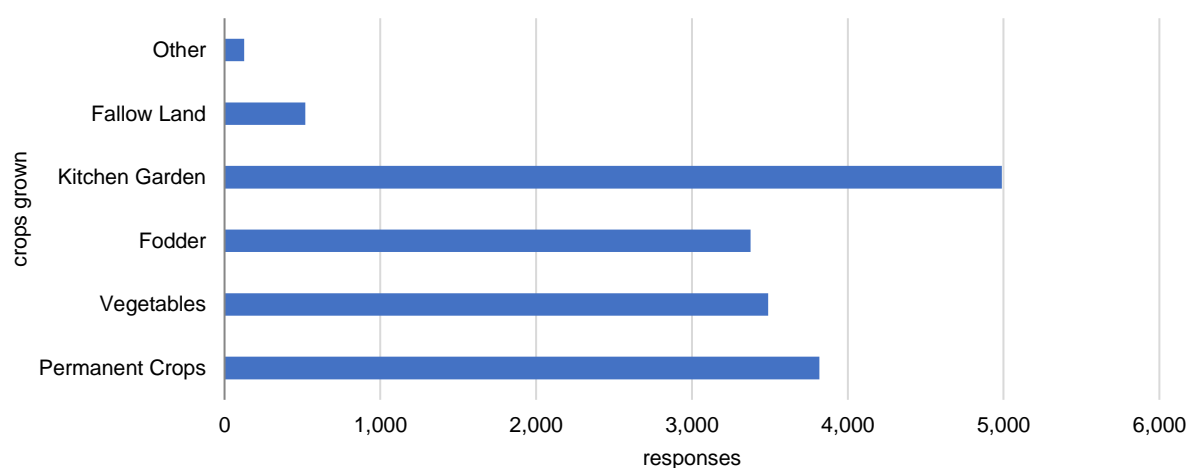
Table 3: Holders' parcels of agricultural land

Parcels classes	Number of holdings	%
Missing	3	0.0
0 - 1	2,155	26.4
2 - 10	4,579	56.1
11 - 30	1,102	13.5
> 31	327	4.0
Total	8,166	100.0

Chart 2. Parcels of agricultural land

Crops grown on agricultural land

From the data collected, it resulted that 61.1 per cent of the holdings' cultivated crops for their own consumption (kitchen gardens) while the holdings' responses also showed that 41.4 per cent cultivated fodder.

Chart 3. Crops grown

A total of 594 holdings or 7.3 per cent had a greenhouse on their agricultural land.

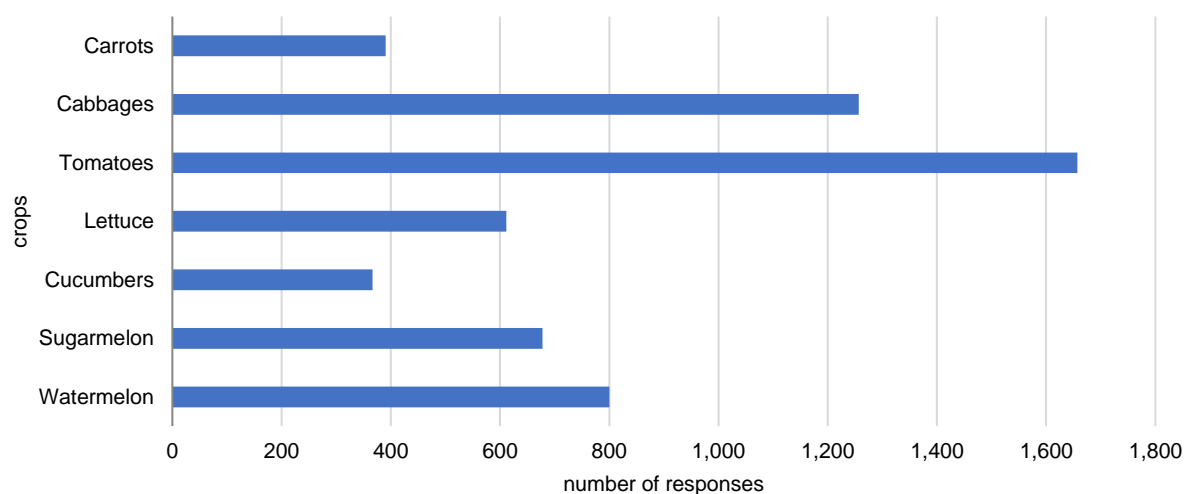
Table 4: Greenhouses

Land Holding Includes Greenhouses	Holders' Main Activity		
	Crop husbandry	Mixed farming	Total
Yes	572	22	594
No	7,271	301	7,573
Total	7,843	323	8,166

Crops requiring most water

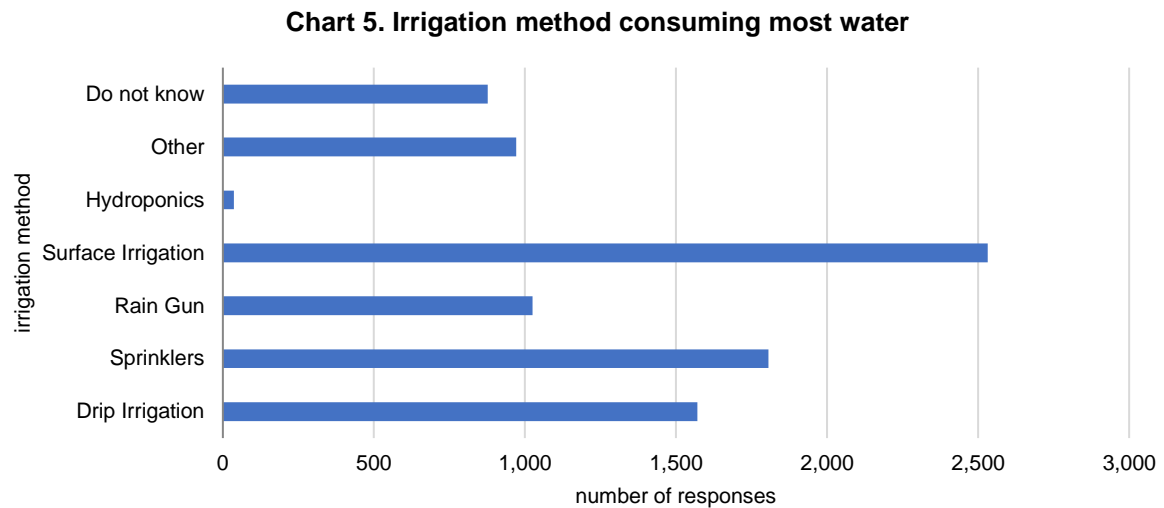
The analysis regarding use of water on crops grown, shows that the response given by the 8,166 holdings engaged in crop cultivation, 20.3 per cent of the responses indicated that they considered tomatoes as the crop which needs most water followed by cabbages, 15.4 per cent.

Chart 4. Cultivated crops requiring most water



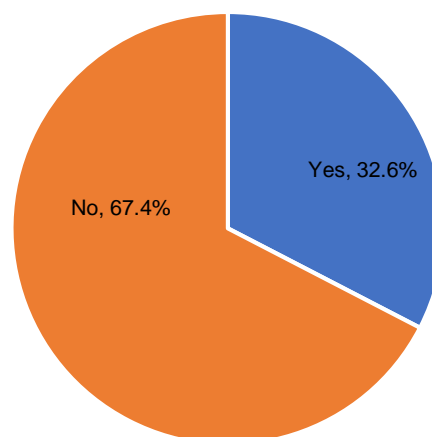
Irrigation method consuming most water and monitoring of water usage

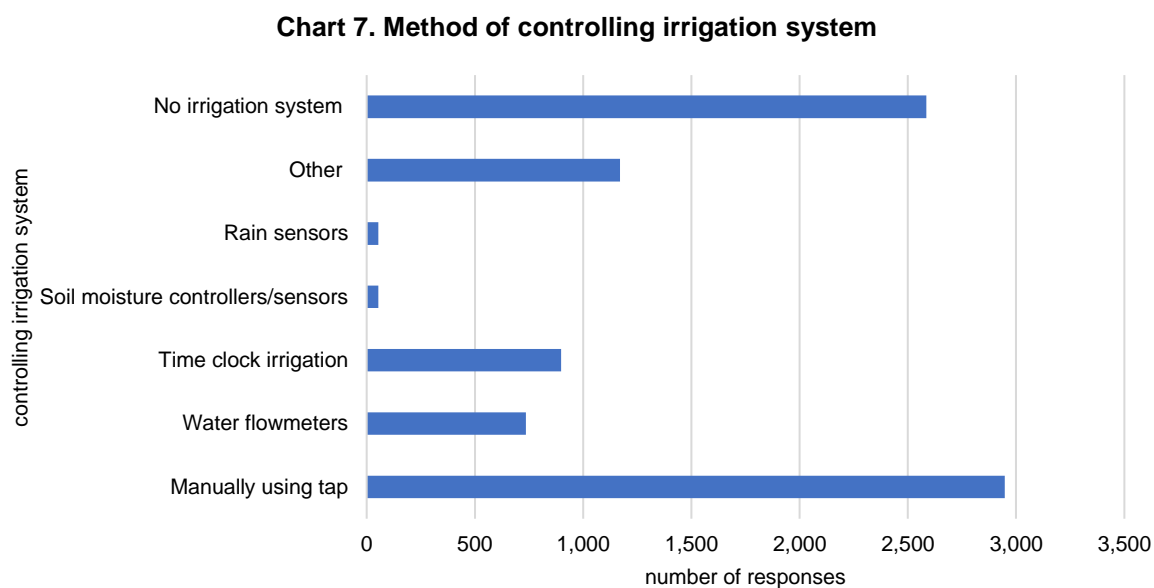
Analysis of the responses showed that 31.0 per cent of the responses perceive surface irrigation as the irrigation method which consumes most water. On the other hand, only 0.4 per cent think that hydroponics method consumes most water. Moreover, 10.7 per cent have no knowledge regarding which system consumes most water.



When asked about monitoring of agricultural water usage on farm, only 32.6 per cent declared that they do so. The highest methods used for controlling the irrigation system is the manually using tap (36.1 per cent), followed by the time clock irrigation system (11.0 per cent).

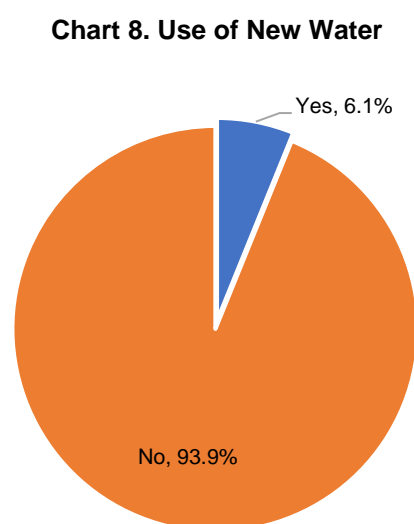
Chart 6. Monitoring of agricultural water usage in farm





‘New water’ usage for irrigation

Data collected showed that the majority of holdings, 93.9 per cent do not use ‘new water’ for agriculture irrigation.



However, 57.0 per cent of the responses claimed that they do not use it because it is not available in their area. Additionally, a further 21.9 per cent said that they had never heard of ‘new water’. When asked if they perceive ‘new water’ of lesser quality, only 9.0 per cent of those who do not make use of this water replied in the affirmative.

Moreover, amongst these holders, only 1.2 per cent think that customers do not trust fruits and vegetables irrigated with 'new water'. (Questions 12 and 13 in the questionnaire).

LIVESTOCK

The following data refer to those agricultural holdings, 1,714 in total who were engaged in livestock farming or mixed farming (crops and livestock).

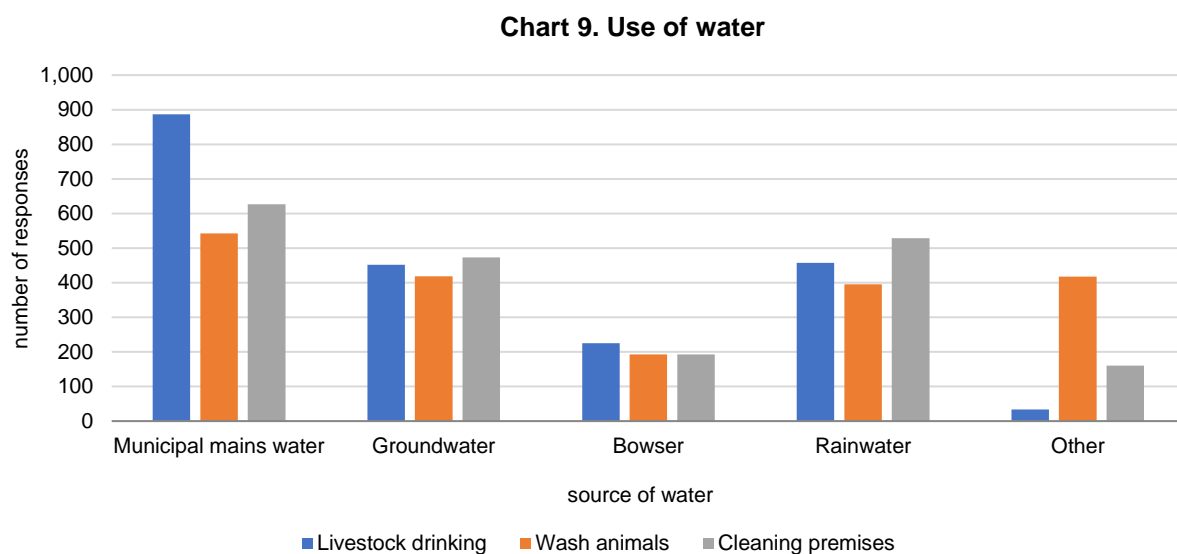
Water source for livestock

It resulted that 51.7 per cent of the responses used the municipal mains water as the main source for drinking for livestock. This was followed by rainwater and ground water with 26.7 per cent and 26.4 per cent respectively.

Regarding the source of water used to wash the animals, the municipal mains water was the main source selected with 31.7 per cent followed by groundwater and rainwater with 24.4 and 23.1 per cent respectively.

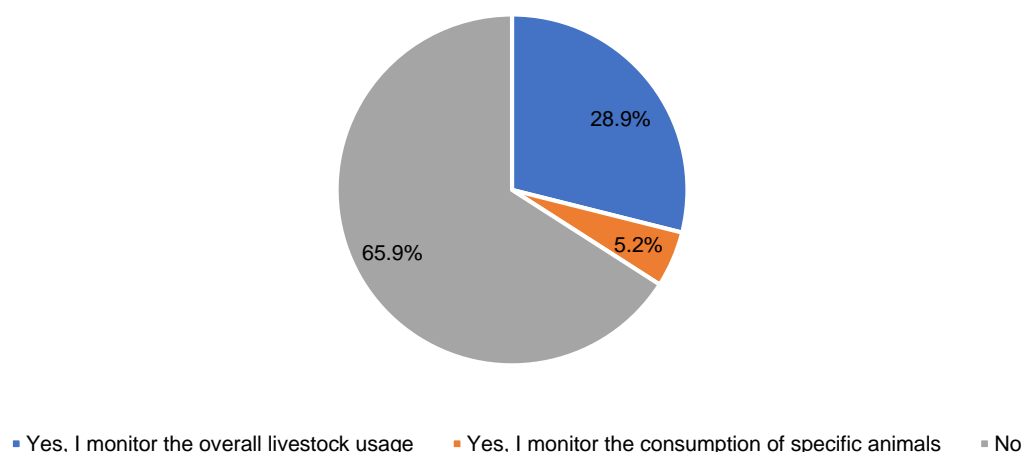
When asked about the source of water used to clean the premises, 36.6 per cent of the responses indicated that they use municipal mains water for this activity. Rainwater and groundwater followed by 30.9 per cent and 27.6 per cent respectively.

When analysing these three questions together it is evident that municipal mains water is the source which is mostly used for the three farm duties reviewed in this survey. Rainwater and groundwater are the sources of water which are used by a significant number of holdings also when undertaking these farm duties.



Data collection showed that most of the holdings having livestock, 65.9 per cent do not monitor water usage consumption for animals.

Chart 10. Monitoring of water usage for livestock



WATER USAGE

The following data refer to all the holdings in the population, 9,557, irrespective of their area of engagement.

Availability of reservoirs

The analysis of data regarding availability of reservoirs showed that almost half of the holdings had a reservoir available on their land. Amongst those who have a reservoir,

75.5 per cent have one reservoir while 2.0 per cent have five reservoirs. Further analysis indicates that holdings who engage in crop husbandry have the highest availability, as 77.2 per cent have a reservoir available, while only 22.8 per cent of those engaged in livestock farming or mixed activity answered in the affirmative (Question 19 in the questionnaire). Further analysis regarding volume, dimensions and year which these reservoirs were built could not be carried out, as a substantial number of respondents did not answer these questions. Moreover, there were many inconsistencies in the data which was collected.

Chart 11. Availability of reservoir

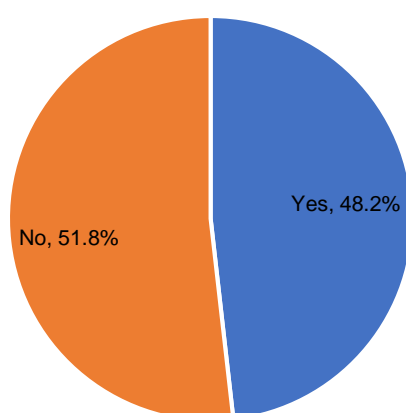


Table 5: Availability of reservoir by type of engagement

Availability of reservoir on land holding	Holdings' Main Activity			Number of holdings	Percent
	Crop husbandry	Livestock farming	Mixed farming		
Yes	3,555	858	193	4,607	48.2
No	4,288	533	129	4,950	51.8
Total	7,843	1,391	323	9,557	100.0

Moreover, 1,191 holdings would consider building further reservoirs. Indeed, 72.0 per cent, 28.0 per cent of holdings who were engaged in crop husbandry, livestock farming, and mixed farming respectively answered favourably when asked if they would consider building further reservoirs. Amongst these 1,191 holdings, 994 or 83.4 per cent indicated that they were willing to add a reservoir if subsidies were available and a further 149 holdings or 12.5 per cent are willing to pay themselves for an additional reservoir.

Table 6: Consider building further reservoirs

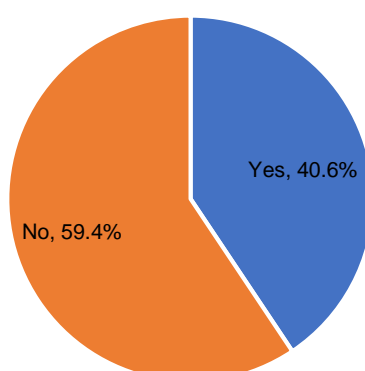
Consider building further reservoirs	Holdings' Main Activity			Number of holdings	%
	Crop husbandry	Livestock farming	Mixed farming		
Yes	858	273	61	1,191	25.9
No	2,698	585	133	3,415	74.1
Total	3,555	858	193	4,607	100.0

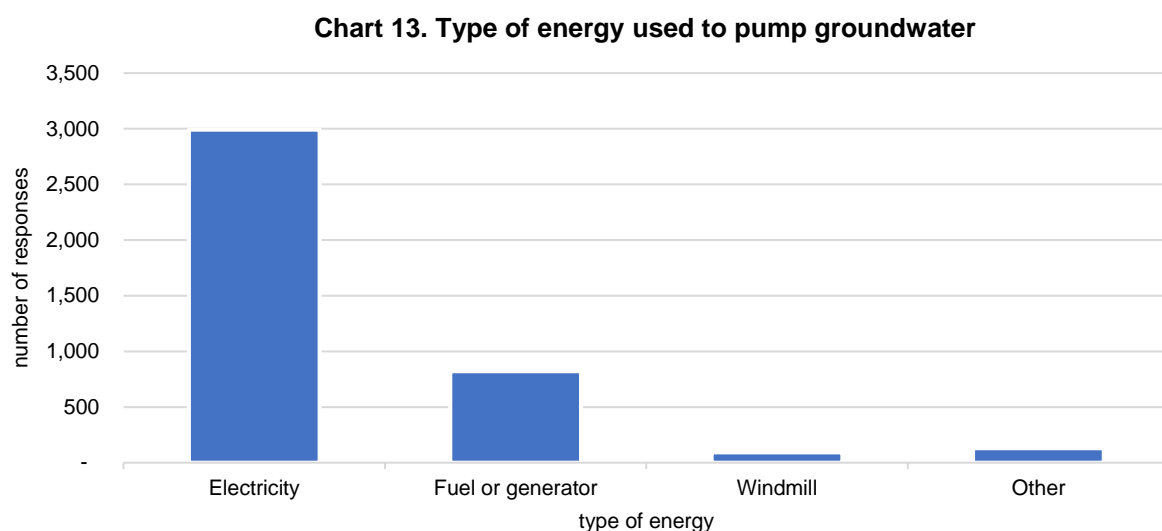
Table 7: Willing to pay for additional reservoirs

Willing to pay for additional reservoirs	Holdings' Main Activity			Number of holdings	%
	Crop husbandry	Livestock farming	Mixed farming		
Yes, I am willing to pay for it/them from my own pocket	125	13	11	149	12.5
Yes, on the condition that a subsidy/grant is available	697	247	50	994	83.4
I am not willing to pay for it/them	36	13	0	49	4.1
Total	858	273	61	1,191	100.0

Private groundwater supply

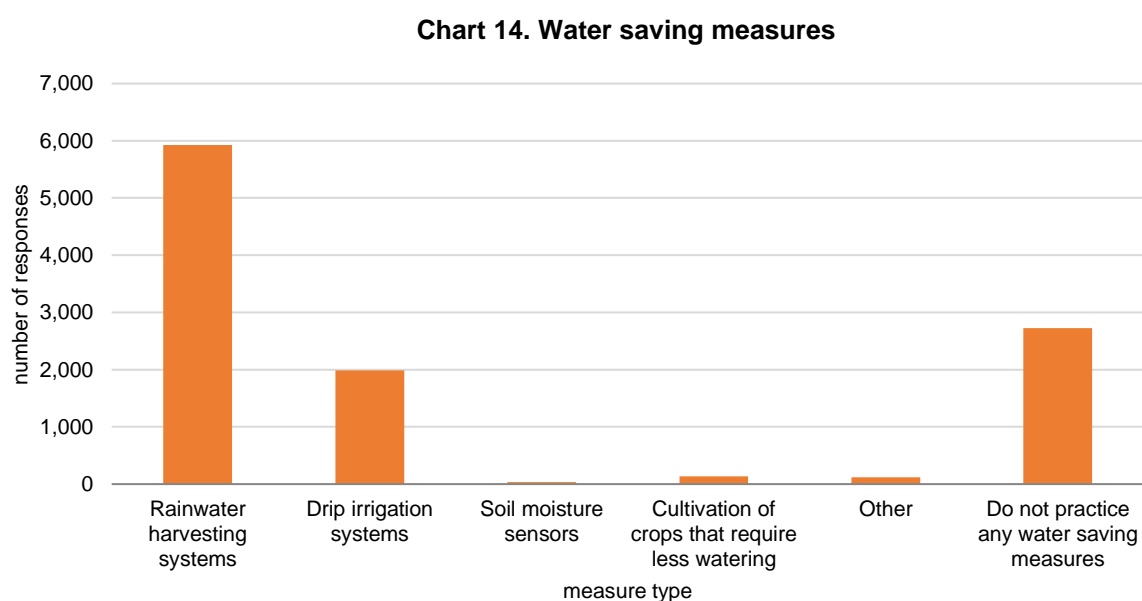
A total of 3,883 holdings or 40.6 per cent have private groundwater supply. In addition, 77.0 per cent of the responses use electricity to pump groundwater to the surface, while only 2.4 per cent are still using the windmill.

Chart 12. Availability of private groundwater supply



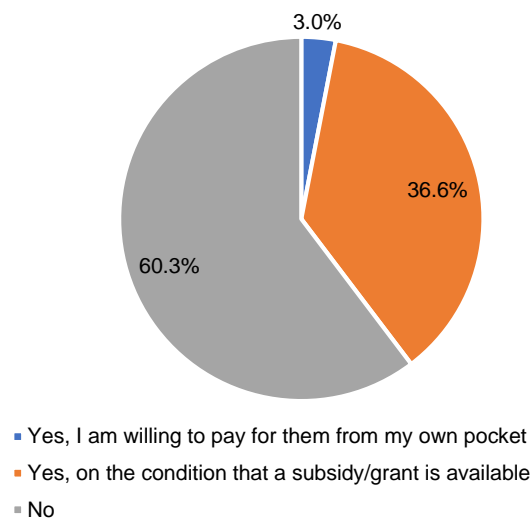
Water saving measures

Holdings were also asked whether they practise any water saving measures on the farm. The majority of the holdings, 6,829 or 71.5 per cent practice some sort of water saving measure. Out of the 8,204 responses given by these holdings, the most popular measure was the rainwater harvesting with 62.0 per cent of the responses. On the other hand, those holdings that do not practice any water saving measures amounted to 2,728 holding or 28.5 per cent of the total holdings.



An additional question regarding the willingness to invest in other water saving measures in the near future revealed that 60.2 per cent of the holders replied in the negative. Albeit this, 3.0 per cent of the holdings declared that they were willing to invest in other water saving measures even at their own expense. A further 36.6 per cent indicated that they would be willing to invest in other water saving measures if the expense was to be subsidised or if grants were available.

Chart 15. Willing to invest in other water saving measures



APPENDIX

Questionnaire – English Version

SURVEY ON PATTERNS OF WATER USE IN AGRICULTURE

This is <<name>> calling from the National Statistics Office. The office is currently carrying out a survey among key stakeholders regarding water supply and household water consumption patterns. The survey is being carried out on behalf of the Energy and Water Agency.

Your agricultural enterprise was randomly selected to participate in this survey which takes about 10 minutes to complete. May I kindly speak to the person that can give me the most accurate information on water consumption within your enterprise?

The information collected will remain confidential and will only be used for statistical purposes.

Is anyone within your household responsible for an agricultural holding? Yes/No

1. What is your legal and economic responsibility on the holding? (Tick **one circle** only)

Sole owner	O ₁
Partnership	O ₂
Part of a company	O ₃

Table 2 in the report.

2. What is your main activity? (Tick **one circle** only)

Crop husbandry	O ₁
Livestock farming	O ₂ → Go to question 14
Both of the above	O ₃

Table 1 in the report.

Agriculture

3. What is the total size/area of the workable land? (Specify **total size/area, both if it is rented or owned**)

Chart 1 and Table 3 in the report.

4. How many parcels of land do you own or work? (*Specify **number of parcels***)

Chart 2 and Table 4 in the report.

5. What do you grow on your agricultural land? (*Tick **all that apply***)

Permanent crops (including fruit trees and vines)	<input type="checkbox"/> ₁
Vegetables (including strawberries, sugar melon and watermelon)	<input type="checkbox"/> ₂
Fodder	<input type="checkbox"/> ₃
Kitchen gardens (areas in which crops are grown for own consumption by holding)	<input type="checkbox"/> ₄
Fallow land	<input type="checkbox"/> ₅
Other (specify) _____	<input type="checkbox"/> ₆

Chart 3 in the report.

6. Does the land holding include greenhouses? (*Tick **one circle only***)

Yes	<input type="radio"/> ₁
No	<input type="radio"/> ₂

Table 5 in the report.

7. Which of the cultivated crops on your land holding require the most water? (*Tick **all that apply***)

Watermelon	<input type="checkbox"/> ₁
Sugar melon	<input type="checkbox"/> ₂
Cucumbers	<input type="checkbox"/> ₃
Lettuce	<input type="checkbox"/> ₄
Tomatoes	<input type="checkbox"/> ₅
Cabbages	<input type="checkbox"/> ₆
Carrots	<input type="checkbox"/> ₇
Other (specify) _____	<input type="checkbox"/> ₈

Chart 4 in the report.

8. What type of irrigation system do you believe consumes the most water? (*Tick **one circle only***)

Drip irrigation	<input type="checkbox"/> ₁
Sprinklers	<input type="checkbox"/> ₂
Rain guns	<input type="checkbox"/> ₃
Surface irrigation	<input type="checkbox"/> ₄
Hydroponics	<input type="checkbox"/> ₅
Other (specify) _____	<input type="checkbox"/> ₆
I do not know	<input type="radio"/> ₇

Chart 5 in the report.

9. How do you control your irrigation system? (*Tick **all that apply***)

Manually using a tap	<input type="checkbox"/> ₁
Water flowmeters	<input type="checkbox"/> ₂
Time clock irrigation	<input type="checkbox"/> ₃
Soil moisture controllers/sensors	<input type="checkbox"/> ₄
Rain sensor	<input type="checkbox"/> ₅
Other (specify) _____	<input type="checkbox"/> ₆
I do not have any irrigation systems	<input type="radio"/> ₇

Chart 7 in the report.

10. Do you monitor the agricultural water usage in your farm? (*Tick **one circle only***)

Yes	<input type="radio"/> ₁
No	<input type="radio"/> ₂

Chart 6 in the report.

11. Do you use 'New Water' (highly polished reclaimed water produced from the treatment of municipal wastewater) to irrigate your fields? (*Tick **one circle only***)

Yes	<input type="radio"/> ₁ → Go to question 13
No	<input type="radio"/> ₂

Chart 8 in the report.

12. Why don't you use 'New Water' to irrigate your fields? (Tick **all that apply**)

Lesser quality	<input type="checkbox"/> ₁ → Go to question 14
Lack of availability in my area	<input type="checkbox"/> ₂ → Go to question 14
Customers do not trust fruits and vegetables irrigated with 'New Water'	<input type="checkbox"/> ₃ → Go to question 14
Never heard of the term 'New Water'	<input type="radio"/> ₄ → Go to question 14

13. Do you think that 'New Water' is of a lesser quality when compared to the conventional sources of water you currently use? (Tick **one circle only**)

Yes	<input type="radio"/> ₁
No	<input type="radio"/> ₂

Animal Husbandry

Questions 14 to 17 apply only if Question 2=2 or Question 2=3

14. What source of water do you use for livestock drinking? (Tick **all that apply**)

Municipal mains water	<input type="checkbox"/> ₁
Groundwater	<input type="checkbox"/> ₂
Bowser	<input type="checkbox"/> ₃
Rainwater	<input type="checkbox"/> ₄
Other (specify) _____	<input type="checkbox"/> ₅

Chart 9 in the report.

15. What source of water do you use to wash the animals? (Tick **all that apply**)

Municipal mains water	<input type="checkbox"/> ₁
Groundwater	<input type="checkbox"/> ₂
Bowser	<input type="checkbox"/> ₃
Rainwater	<input type="checkbox"/> ₄
Other (specify) _____	<input type="checkbox"/> ₅

Chart 9 in the report.

16. What source of water do you use to clean your premises? (*Tick **all that apply***)

Municipal mains water	<input type="checkbox"/> ₁
Groundwater	<input type="checkbox"/> ₂
Bowser	<input type="checkbox"/> ₃
Rainwater	<input type="checkbox"/> ₄
Other (specify) _____	<input type="checkbox"/> ₅

Chart 9 in the report.

17. Do you monitor water usage for livestock consumption in your farm? (*Tick **one circle only***)

Yes, I monitor the overall livestock usage	<input type="radio"/> ₁
Yes, I monitor the consumption of specific animals	<input type="radio"/> ₂
No	<input type="radio"/> ₃

Chart 10 in the report.

Both categories

18. Does the land holding include a reservoir? (*Tick **one circle only***)

Yes	<input type="radio"/> ₁
No	<input type="radio"/> ₂ → Go to question 24

Chart 11 and Table 6 in the report.

19. How many reservoirs do you have on your land holding? (Specify **the amount of water reservoirs**)

20. Can you please provide the details about the size of your water reservoir/s? If number of reservoirs exceeds five, provide details about the five reservoirs mostly used. *(Tick **one circle** only for each reservoir)*

Reservior 1 (length) Specify _____	O ₁
Reservior 1 (width) Specify _____	O ₂
Reservior 1 (height) Specify _____	O ₃
Reservior 1 (volume) Specify _____	O ₄
Reservior 1 (Do not know)	O ₅

Reservior 2 (length) Specify _____	O ₁
Reservior 2 (width) Specify _____	O ₂
Reservior 2 (height) Specify _____	O ₃
Reservior 2 (volume) Specify _____	O ₄
Reservior 2 (Do not know)	O ₅

:

:

21. In which year was/were the reservoir/s built? *(Tick **one circle** only for each reservoir)*

Reservior 1 (Year) Specify _____	O ₁
Reservior 1 (do not know)	O ₂

Reservior 2 (Year) Specify _____	O ₁
Reservior 2 (do not know)	O ₂

:

:

22. Do you consider building further reservoirs on your land holding? *(Tick **one circle** only)*

Yes	O ₁
No	O ₂ → Go to question 24

Table 7 in the report.

23. Would you be willing to pay for these additional reservoirs? *(Tick **one circle** only)*

Yes, I am willing to pay for it/them from my own pocket	O ₁
Yes, on the condition that a subsidy/grant is available	O ₂
I am not willing to pay for it/them	O ₃

Table 8 in the report.

24. Do you have a private groundwater supply, such as a borehole or a 'spiera'? (Tick **one circle only**)

Yes	O ₁
No	O ₂ → Go to question 26

Chart 12 in the report.

25. What type of energy do you use to pump groundwater to the surface? (Tick **all that apply**)

Electricity	<input type="checkbox"/> ₁
Fuel/generator	<input type="checkbox"/> ₂
Windmill	<input type="checkbox"/> ₃
Other (specify) _____	<input type="checkbox"/> ₄

Chart 13 in the report.

26. What water saving measures do you practice in your farm? (Tick **all that apply**)

Rainwater harvesting systems	<input type="checkbox"/> ₁
Drip irrigation systems	<input type="checkbox"/> ₂
Soil moisture sensors	<input type="checkbox"/> ₃
Cultivation of crops that require less watering	<input type="checkbox"/> ₄
Other (specify) _____	<input type="checkbox"/> ₅
I do not practice any water saving measures	O ₆

Chart 14 in the report.

27. Would you like to invest in other water saving measures in the near future? (Tick **one circle only**)

Yes, I am willing to pay for them from my own pocket	O ₁
Yes, on the condition that a subsidy/grant is available	O ₂
No	O ₃

Chart 15 in the report.

Questionnaire – Maltese version

STHARRIĠ DWAR L-IMMANIĠJAR TAR-RIŻORSI TAL-ILMA FL-AGRIKOLTURA

Jiena <<isem>> mill-Uffiċċju Nazzjonali tal-Istatistika. Bħalissa dan l-uffiċċju qed jagħmel stħarriġ dwar il-provvisti u l-konsum tal-ilma fost *key stakeholders* fl-oqsma residenzjali, agrikoli u fin-negozji manifatturali. Dan l-istħarriġ qed isir f'isem l-Aġenzija għall-Energija u l-Ilma.

L-azjenda agrikola tiegħek intgħazlet bil-polza biex tiegħu sehem f'dan l-istħarriġ li jieħu madwar 10 minuti biex jitlesta. Nista' nitkellem mal-persuna li tista' tagħtini l-iktar informazzjoni preċiża dwar il-konsum tal-ilma fl-azjenda tiegħek?

L-informazzjoni hija kunfidenzjali u ser tintuża biss għal skopjiet ta' statistika.

Fid-dar tiegħek hemm xi ħadd li hu responsabbli minn xi raba'/razzett? Iva/Le

1. X'inhi r-responsabbiltà legali u ekonomika tiegħek f' dan ir-raba'/razzett? (*Immarka ċirku wieħed biss*)

Sid uniku	O ₁
Ftehim ta' shubija	O ₂
Parti minn kumpanija	O ₃

Table 2 in the report.

2. X'inhi l-attività prinċipali tiegħek? (*Immarka ċirku wieħed biss*)

Tkabbir ta' ħaxix	O ₁
Trobbija tal-annimali	O ₂ → Mur mistoqsija 14
It-tnejn li huma	O ₃

Table 1 in the report.

Biedja

3. X'inhu d-daqs totali tar-raba' li jinħadem? (*Speċifika kemm il-tomna art, kemm jekk raba' mikri u/jew frank*)

Chart 1 and Table 3 in the report.

4. Kemm il-biċċa art għandek/taħdem? (*Speċifika l-ammont ta' parcels*)

Chart 2 and Table 4 in the report.

5. Xi tkabbar fl-art agrikola tiegħek? (*Immarka kull fejn japplika*)

Sigħar tal-frott u dwieli	<input type="checkbox"/> ₁
Ħaxix (<u>inkludi</u> frawli, bettiegħ u dulliegħ)	<input type="checkbox"/> ₂
Qamħ (ikel għall-annimali)	<input type="checkbox"/> ₃
Kitchen gardens (Art fejn jitkabbar prodott għall-konsum personali)	<input type="checkbox"/> ₄
Art mistrieħa	<input type="checkbox"/> ₅
Oħrajn (speċifika) _____	<input type="checkbox"/> ₆

Chart 3 in the report.

6. L-art tinkludi serer? (*Immarka ċirku wieħed biss*)

Iva	<input type="radio"/> ₁
Le	<input type="radio"/> ₂

Table 5 in the report.

7. Liema mill-ħaxix ikkultivat fl-art tiegħek jeħtieġ l-iktar ilma? (*Immarka kull fejn japplika*)

Dulliegħ	<input type="checkbox"/> ₁
Bettiegħ	<input type="checkbox"/> ₂
Ħjar	<input type="checkbox"/> ₃
Ħass	<input type="checkbox"/> ₄
Tadam	<input type="checkbox"/> ₅
Kaboċċi	<input type="checkbox"/> ₆
Zunnarija/karrotti	<input type="checkbox"/> ₇
Oħrajn (speċifika) _____	<input type="checkbox"/> ₈

Chart 4 in the report.

8. Liema sistema ta' tisqija taħseb li tikkonsma l-iktar ilma? (*Immarka ċirku wieħed biss*)

Tisqija bid-drip	<input type="checkbox"/> ₁
Bexxiexi (<i>sprinklers/farfett</i>)	<input type="checkbox"/> ₂
Tisqija bir-rain gun	<input type="checkbox"/> ₃
Konka/ <i>surface irrigation</i>	<input type="checkbox"/> ₄
Biedja idroponika	<input type="checkbox"/> ₅
Oħrajn (speċifika) _____	<input type="checkbox"/> ₆
Ma nafx	O ₇

Chart 5 in the report.

9. Kif tikkontrolla s-sistema tat-tisqija tiegħek? (*Immarka kull fejn japplika*)

Manwalment permezz ta' vit	<input type="checkbox"/> ₁
Meter tal-ilma	<input type="checkbox"/> ₂
<i>Time clock irrigation</i>	<input type="checkbox"/> ₃
<i>Soil moisture controllers/sensors</i>	<input type="checkbox"/> ₄
<i>Rain sensor</i>	<input type="checkbox"/> ₅
Oħrajn (speċifika) _____	<input type="checkbox"/> ₆
M'għandix sistemi ta' tisqija	O ₇

Chart 7 in the report.

10. Tagħmel moniteragg tal-użu tal-ilma għall-biedja fl-azjenda tiegħek? (*Immarka ċirku wieħed biss*)

Iva	O ₁
Le	O ₂

Chart 6 in the report.

11. Tuża 'New Water' (ilma ttrattat minn sistemi ta' ġbir u trattament tad-drenaġġ) biex ssaqqi l-għelieqi tiegħek? (*Immarka ċirku wieħed biss*)

Iva	O ₁ → Mur mistoqsija 13
Le	O ₂

Chart 8 in the report.

12. Għaliex ma tużax n-‘New Water’ biex ssaqqi l-għelieqi tiegħek? (*Immarka kull fejn japplika*)

Kwalità inferjuri	<input type="checkbox"/> ₁ → Mur mistoqsija 14
Nuqqas ta’ disponibbiltà fl-inħawi tiegħi	<input type="checkbox"/> ₂ → Mur mistoqsija 14
Il-klijenti ma jafdawx ħaxix u frott frisk irrigat bin- ‘New Water’	<input type="checkbox"/> ₃ → Mur mistoqsija 14
Qatt ma smajt bin-‘New Water’	<input type="radio"/> ₄ → Mur mistoqsija 14

13. Taħseb li n- ‘New Water’ huwa t’inqas kwalita’ meta mqabbel mas-sorsi oħra ta’ ilma li tuża bħalissa? (*Immarka ċirku wieħed biss*)

Iva	<input type="radio"/> ₁
Le	<input type="radio"/> ₂

Trobbija tal-annimali

Mistoqsijiet 14 sa 17 japplikaw biss jekk Mistoqsija 2=1 jew Mistoqsija 2=3

14. Liema sors ta’ ilma tuża għax-xorb tal-annimali? (*Immarka kull fejn japplika*)

Ilma tal-main (mhux iffiltrat)	<input type="checkbox"/> ₁
Ilma ta’ taħt l-art	<input type="checkbox"/> ₂
Bowser	<input type="checkbox"/> ₃
Ilma tax-xita	<input type="checkbox"/> ₄
Oħrajn (specifika) _____	<input type="checkbox"/> ₅

Chart 9 in the report.

15. Liema sors ta’ ilma tuża biex taħsel l-annimali? (*Immarka kull fejn japplika*)

Ilma tal-main (mhux iffiltrat)	<input type="checkbox"/> ₁
Ilma ta’ taħt l-art	<input type="checkbox"/> ₂
Bowser	<input type="checkbox"/> ₃
Ilma tax-xita	<input type="checkbox"/> ₄
Oħrajn (specifika) _____	<input type="checkbox"/> ₅

Chart 9 in the report.

16. Liema sors ta' ilma tuża biex tnaddaf ir-razzett tiegħek? (*Immarka kull fejn japplika*)

Ilma tal- <i>main</i> (mhux iffiltrat)	<input type="checkbox"/> ₁
Ilma ta' taħt l-art	<input type="checkbox"/> ₂
Bowser	<input type="checkbox"/> ₃
Ilma tax-xita	<input type="checkbox"/> ₄
Oħrajn (specifika) _____	<input type="checkbox"/> ₅

Chart 9 in the report.

17. Tagħmel moniteraġġ tal-użu tal-ilma għall-konsum tal-annimali fl-azjenda tiegħek? (*Immarka **ċirku wieħed** biss*)

Iva, fuq l-konsum ġenerali tal- annimali	O ₁
Iva, fuq l-konsum ta' ċerti annimali specifiki	O ₂
Le	O ₃

Chart 10 in the report.

Iż-żewġ kategoriji

18. Għandek ġibjun/i tal-ilma ġewwa l-azjenda tiegħek/li taħdem fiha? (*Immarka **ċirku wieħed** biss*)

Iva	O ₁
Le	O ₂ → Mur mistoqsija 24

Chart 11 in the report.

19. Kemm il-ġibjun tal-ilma għandek? (Specifika l-*ammont ta' ġibjuni*)

20. Tista ġentilment tipprovdi d-dettalji dwar id-daqs tal-ġibjun/i tiegħek? Jekk in-numru ta' ġibjuni huwa t'iktar minn ħamsa, agħti dettalji dwar l-iktar ħamsa li jintużaw. (*Immarka ċirku wieħed biss għal kull ġibjun*)

Ġibjun 1 (length) Specify _____	O ₁
Ġibjun 1 (width) Specify _____	O ₂
Ġibjun 1 (height) Specify _____	O ₃
Ġibjun 1 (volume) Specify _____	O ₄
Ġibjun 1 (Do not know)	O ₅

Ġibjun 2 (length) Specify _____	O ₁
Ġibjun 2 (width) Specify _____	O ₂
Ġibjun 2 (height) Specify _____	O ₃
Ġibjun 2 (volume) Specify _____	O ₄
Ġibjun 2 (Do not know)	O ₅

:
:

21. F'liema sena inbena/inbnew dan/dawn il-ġibjun/i? (*Immarka ċirku wieħed biss għal kull ġibjun*)

Reservior 1 (Sena) Specify _____	O ₁
Reservior 1 (Ma nafx)	O ₂

Reservior 2 (Sena) Specify _____	O ₁
Reservior 2 (Ma nafx)	O ₂

:
:

22. Tixtieq iżżid iktar ġibjuni fuq l-art tiegħek/li taħdem fiha? (*Immarka ċirku wieħed biss*)

Iva	O ₁
Le	O ₂ → Mur mistoqsija 24

Table 7 in the report.

23. Lest li tħallas għal dawn il-ġibjuni addizzjonali? (*Immarka ċirku wieħed biss*)

Iva, u lest li nkopri l-ispejjeż kollha jien	O ₁
Iva, jekk ningħata sussidju/għotja ta' fondi	O ₂
Le	O ₃

Table 8 in the report.

24. Għandek provvista privata tal-ilma ta' taħt l-art, bħal *borehole* jew spiera? (*Immarka ċirku wieħed biss*)

Iva	O ₁
Le	O ₂ → Mur mistoqsija 26

Chart 12 in the report.

25. X'tip ta' enerġija tuża biex ittella' l-ilma ta' taħt l-art sal-wiċċ? (*Immarka kull fejn japplika*)

Elettriku	<input type="checkbox"/> ₁
Fuel/generatur	<input type="checkbox"/> ₂
Miżna tar-riħ	<input type="checkbox"/> ₃
Oħrajn (speċifika) _____	<input type="checkbox"/> ₄

Chart 13 in the report.

26. X'miżuri ta' ffrankar ta' l-ilma tipprattika fl-azjenda tiegħek? (*Immarka kull fejn japplika*)

Sistemi ta' ġbir tal-ilma tax-xita	<input type="checkbox"/> ₁
Drip irrigation system	<input type="checkbox"/> ₂
Soil moisture sensor	<input type="checkbox"/> ₃
Tkabbir ta' prodotti li jeħtieġu inqas tisqija	<input type="checkbox"/> ₄
Oħrajn (speċifika) _____	<input type="checkbox"/> ₅
Ma niehu l-ebda miżura biex niffranka l-ilma	O ₆

Chart 14 in the report.

27. Tixtieq tinvesti f'miżuri oħra li jiffrankaw l-ilma fil-futur? (*Immarka ċirku wieħed biss*)

Iva, u lest li nkopri l-ispejjeż kollha jien	O ₁
Iva, jekk ningħata sussidju jew għotja ta' fondi	O ₂
Le	O ₃

Chart 15 in the report.