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برنامه توسعه زنجیره ارزش زعفران
Saffron Value Chain Development Program



Analytical Report on the Status of the target Villages

November 30th, 2014

Introduction

Saffron value chain development program has been implemented since the end of year 2013 with the aim of promoting production and obtaining the maximum value added of saffron by the beneficiaries of this industry in various sectors of agriculture, processing and export of saffron with the cooperation of Agriculture Bank of Iran through United Nations Industrial Development Organization (UNIDO).

In the agricultural and production sector, according to studies carried out, there is no optimum performance and efficiency in comparison with the international standards and norms; in addition the beneficiaries of this sector do not obtain appropriate value from activities made in this sector. To this end, in one of the executive parts of this program, under improving the efficiency of saffron production, 20 villages in two provinces of southern and Razavi Khorasan were selected. The Characteristics of these villages, being as the center as well as being well known regarding the production of saffron, were the reasons of choosing these areas.

Also, in all these villages, local experts and consultants, who have been trained by the executive project team and have been employed under this program will make technical advices to the farmers and hold different training courses for them. The following report is part of the data collected and analyzed by these consultants in 16 selected villages up to the reporting date. These reports, training courses, and technical advices, are an attempt to improve the manufacturing process, and increase production efficiency and product quality in the production of saffron.



The number of Saffron's farms in selected villages

The total number of farms in the selected villages is 10,287. In Figure (1), the distribution of the number of Saffron farms in 16 villages studied has been identified.

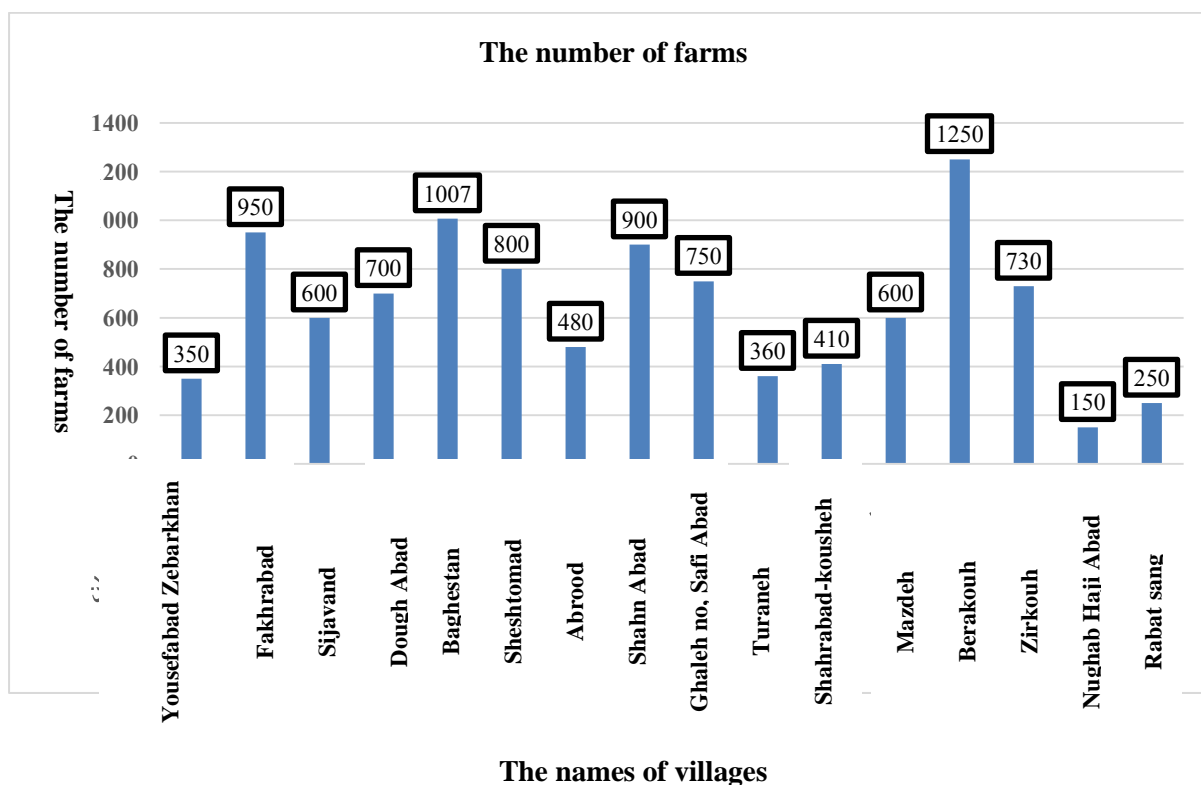


Figure 1. The status of number of farms in villages with BDSp

The cultivation of saffron fields

Total acreage of saffron farms in villages specified is equivalent to 4639 hectares and as it has been shown the amount of acreage in each of the villages in figure (2), have been identified. Based on the results from this figure, respectively, Safi Abad, Shahn Abad and Zirkoooh have highest levels of acreage.

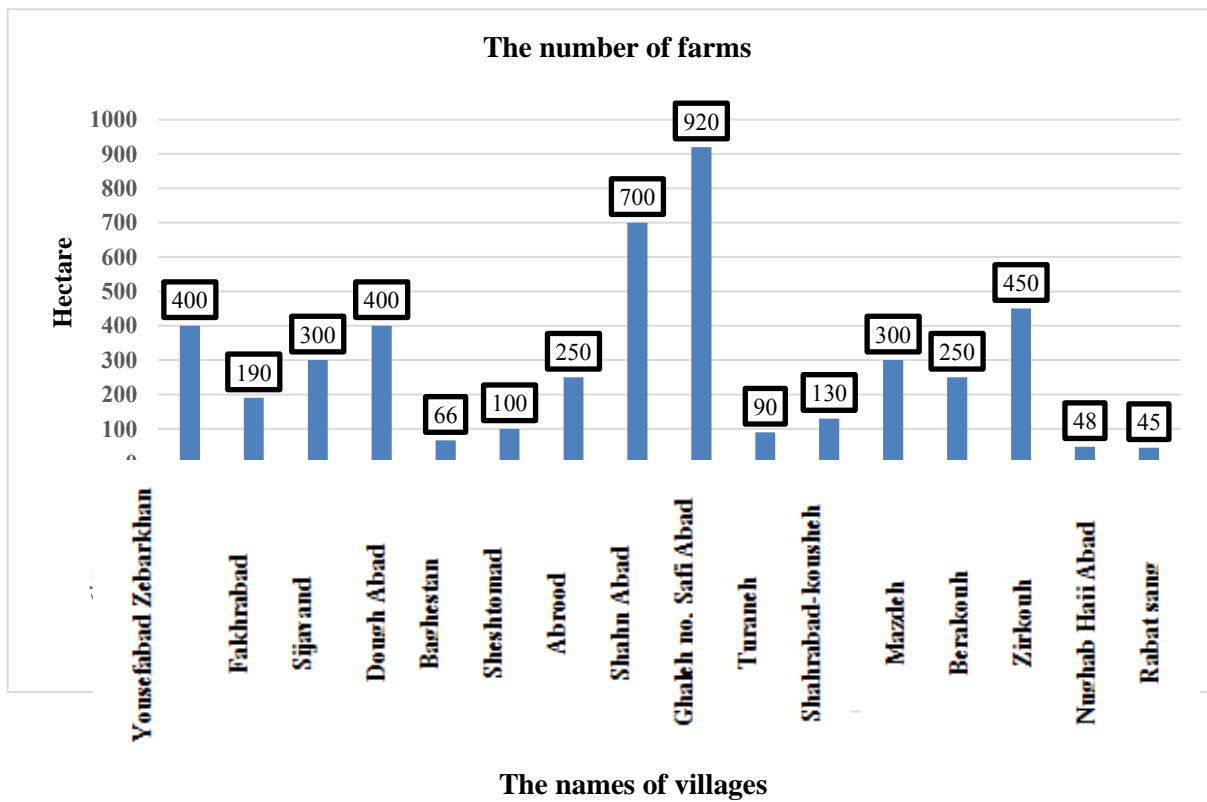


Figure 2. The average saffron farms in villages with BDSp

Average lifetime of saffron farms

One of the major problems in the saffron crop yield reduction in Iran is long duration of operation, and farms life for each crop cultivation, which leads to increase the number of daughter bulbs and the reduction of the weight of each of them. Ultimately, this results in increase competition between onions, and also weakens the power of flowering plants and all these factors will reduce the yield of saffron. In Figure (3) the average life of the farms in the villages under study has revealed. Average total lifetime farms in the region is equivalent to 5.4 years, which based on the recommendations should be reduced to four years.

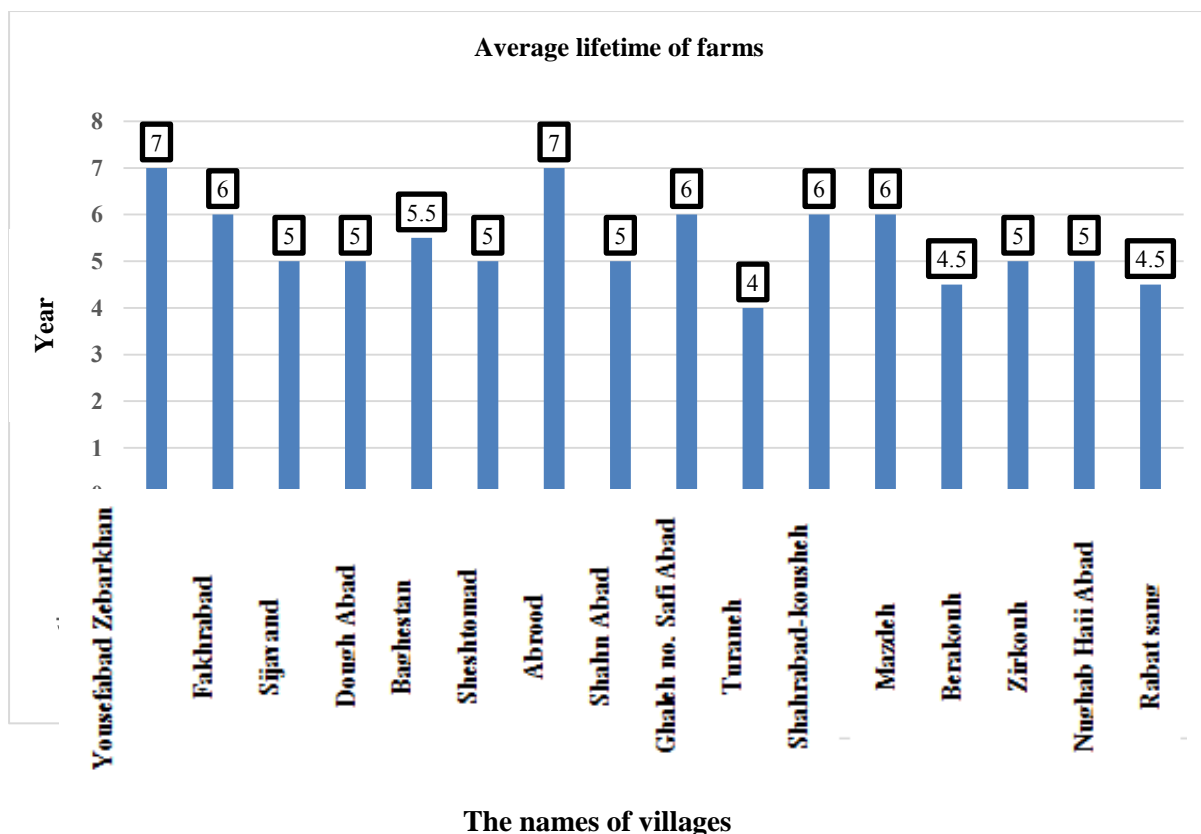


Figure 3. The average lifetime of farms in villages with BDSp

Total number of beneficiaries of saffron

The number of beneficiaries is an indication of two factors, the willingness of people for saffron cultivation and the amount of smallholder of saffron farms, because whenever the number of beneficiaries is more, the land is divided among more people, and the land become smaller, and subsequently the smallholder will be increased. Figure (4) shows the number of beneficiaries of saffron in different villages under study. In total, the number of saffron beneficiaries studied villages is 16,068 people.

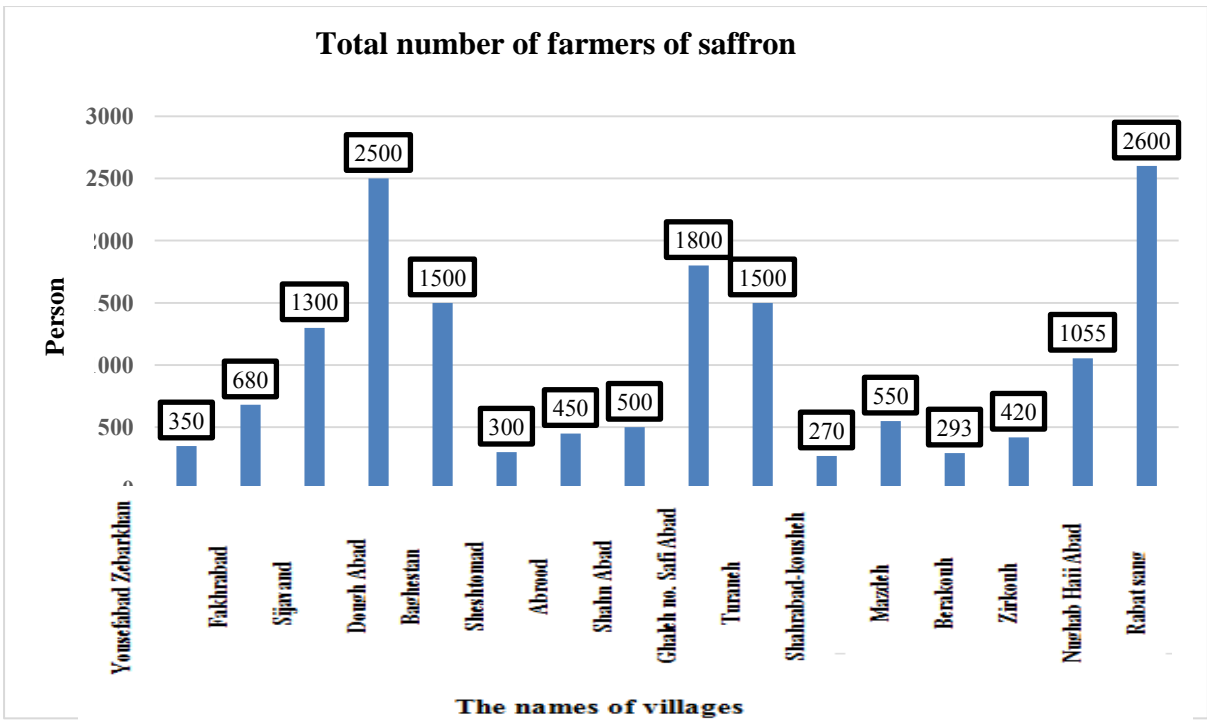


Figure 4. Total number of farmers of saffron in villages with BDSp



The total population of the village

The population of the village can be considered as the required manpower for planting and harvesting of saffron. In Figure (5) , the population of each selected villages was identified. The highest and lowest of the rural population is in Safiabad and Noghab Haji Abad, respectively.

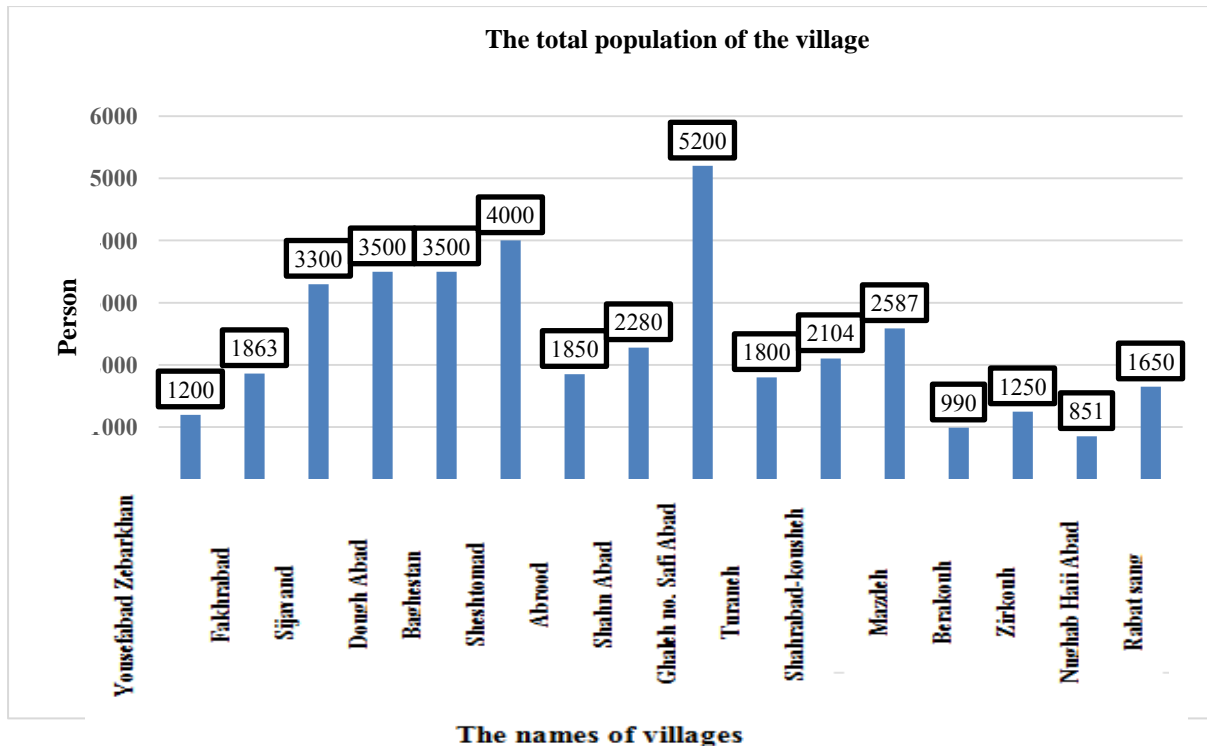


Figure 5. The total population of the villages in the villages with BDSp

The number of saffron farms with less than one hectare area

The low area of saffron farms has two features, positive and negative: In terms of farm management, particularly in the field of fighting against weeds, weeding manually by workers or non-use of chemical pesticides, and ultimately achieving a healthy product, and in better cases, the production of organic saffron crocus, the movement should be towards sustainability in small areas, but from macro perspective, in order to reduce the use of manpower and automating the operations of planting, harvesting, and ultimately increase the level of performance, the small areas are not desirable. In Figure (6), the number of farms in the area less than one hectare has been determined. Of total farms, which are about 10287, 8445 cases are in an area with less than one hectare.

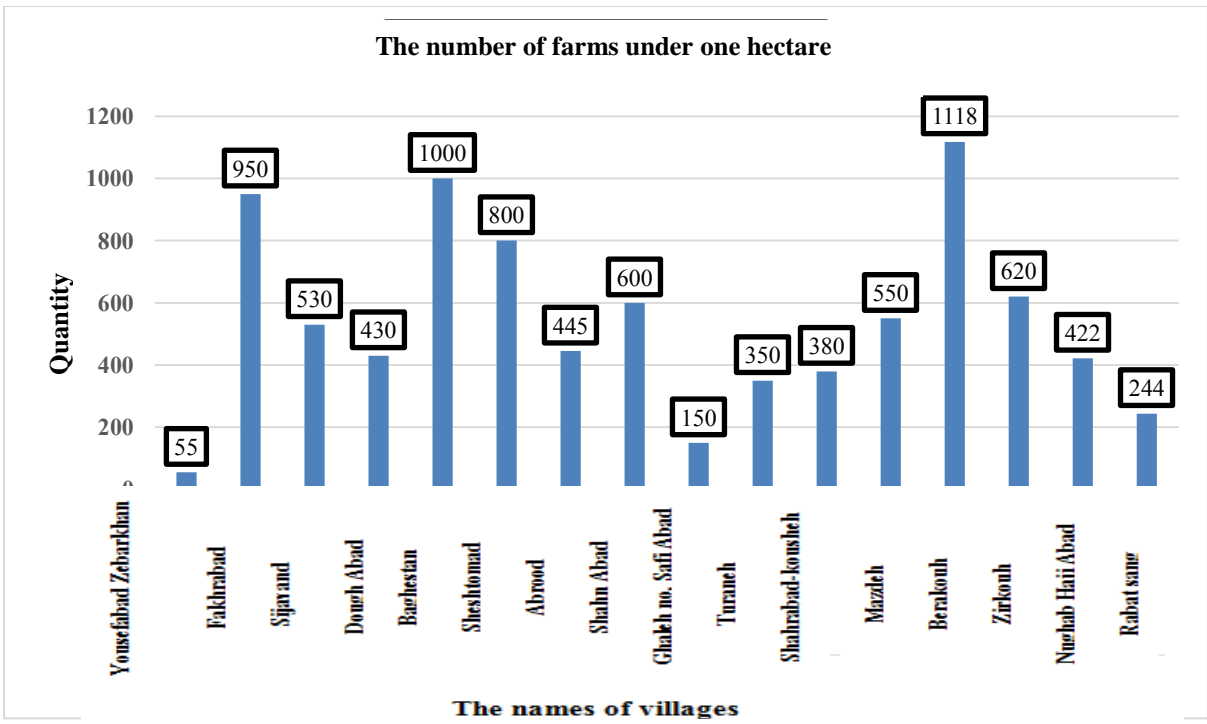


Figure 6. The number of farms less than one hectare in villages with BDSp



The number of saffron farms with more than one acre to two acres under cultivation

Mainly, the increase in the area under cultivation in a region reflects the high quality of the crop, and the financial strength of the region's farmers. Based on the diagram (7), Safi Abad has 920 saffron farms which more than half of them have more than one hectare. On the other hand, the 100% of saffron farms in the village of FAKHRABAD is less than one hectare. In total, only 1522 Farms from the total number of 10,287 Saffron Farms has an area between one and two hectare.

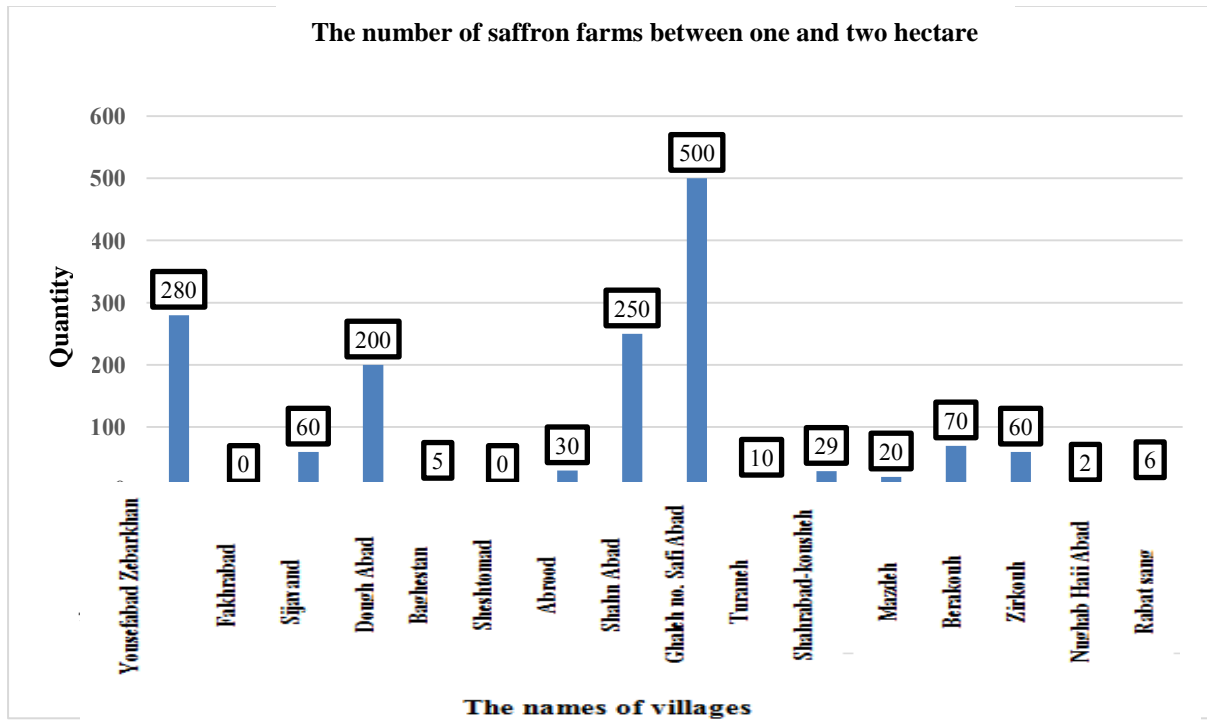


Figure 7. The number of farms between one to two acres in villages with BDSp

The number of farms with more than two hectares

In total, only 320 saffron farms have areas more than two acres. The number of farms with more than two acres for each village is presented in the diagram (8). Based on this diagram also Safiabad village and then Dough Abad village have most farms with areas more than two hectares.

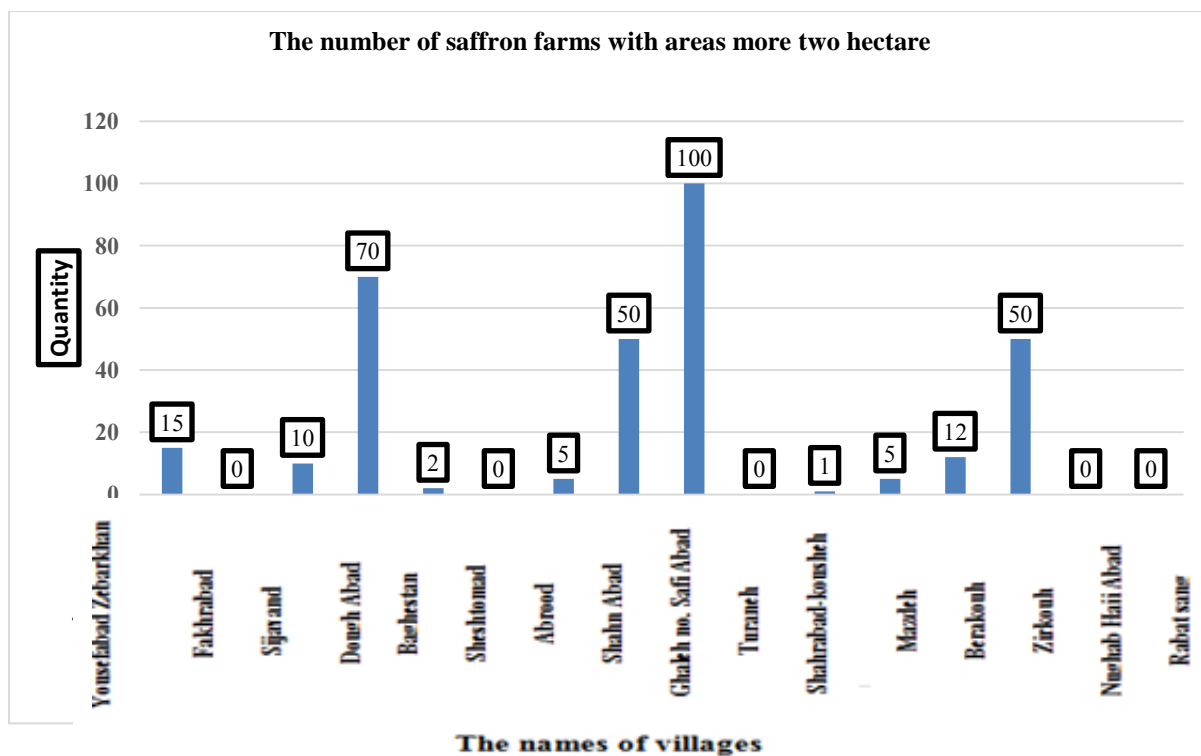


Figure 8. The number of farms with more than two acres in villages with BDSp

The average area of Saffron farms

The status of this indicator could easily point out to the general cultivation area in most of Saffron farms in each region. In Figure 9, the average area of farms in the villages surveyed is assessed. As it is shown in Figure below, villages of Shahn Abad and Yousefabad have the highest average levels of farms under cultivation.

The average area of Saffron farms

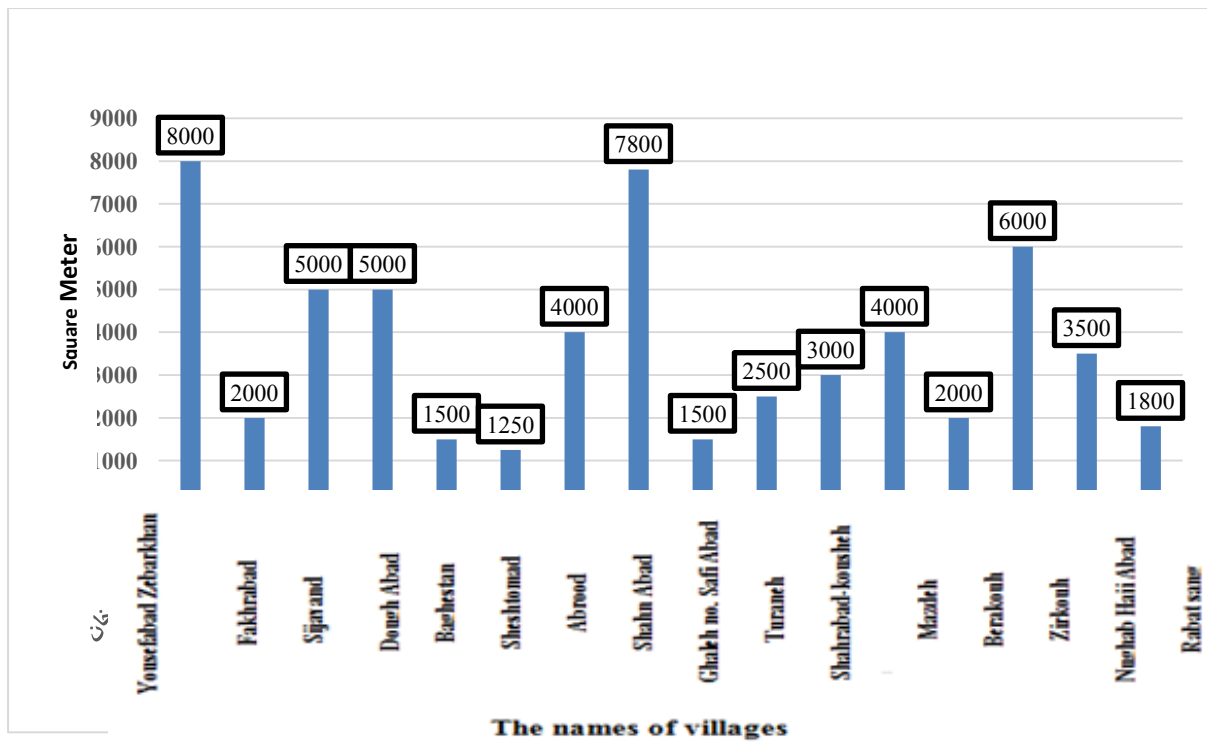


Figure 9. The average area of farms in villages with BDSp

Average yield of dry saffron per hectare under cultivation

Figure (10) shows the average yield of dry saffron per hectare from saffron farm, which is an important indicator because it represents the status of planting, harvesting of saffron and the level of knowledge of farmers about the factors affecting the increase of yield. Based on the results of the diagram (10), the maximum yield of dry saffron farms is about 5 kilograms per hectare, which is 6 kilograms less than the standards of production of saffron in the world and even saffron farms in Iran. This means that, on average, in the world from per hectare of saffron cultivation, 11 kilograms dried saffron is obtained. In areas such as Yousef Abad, which the average yield is about 3.5 kg, there is a need for promoting new ways of planting and harvesting, to increase the yield of dry saffron to double.

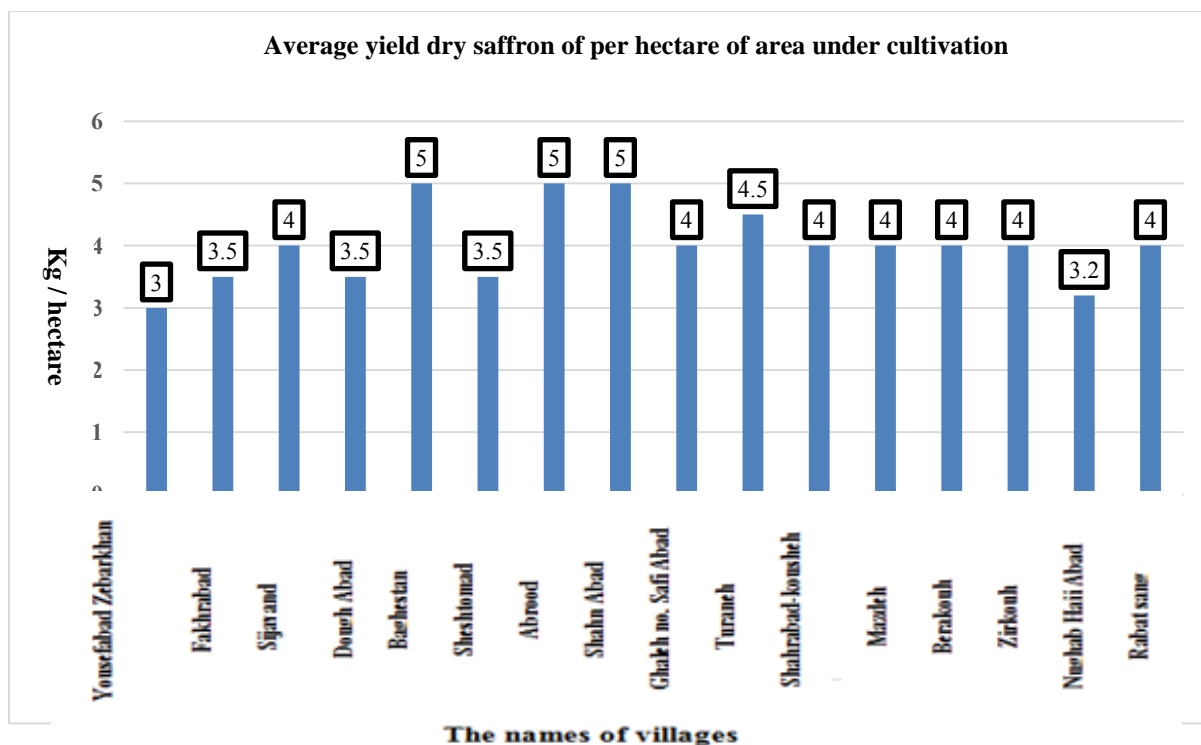


Figure 10. The average yield of dry saffron from farms in villages with BDSp

Water supply of Saffron farms from different sources of water

The point to be considered is that all villages under saffron cultivation are irrigated and there is no homebred saffron land, which is indicative of a lack of rainfall and the need for alternative water sources. That is why three sources of water for the cultivation of saffron are used in the villages; these include deep wells, fields and rivers. In Figure 11, the water supply of farms in different villages under supervision is evaluated. Which in some villages, such as Baghestan, all three types of deep water wells, canals and rivers are used as sources of water supply but in some areas, such as Safiabad, only the deep wells are used. It should be noted here that, only in the villages of Sheshtomad and Touraneh, no source of water as deep wells to irrigate farms is exist, while in all other 14 villages, the deep wells are an important source of irrigation of farms.

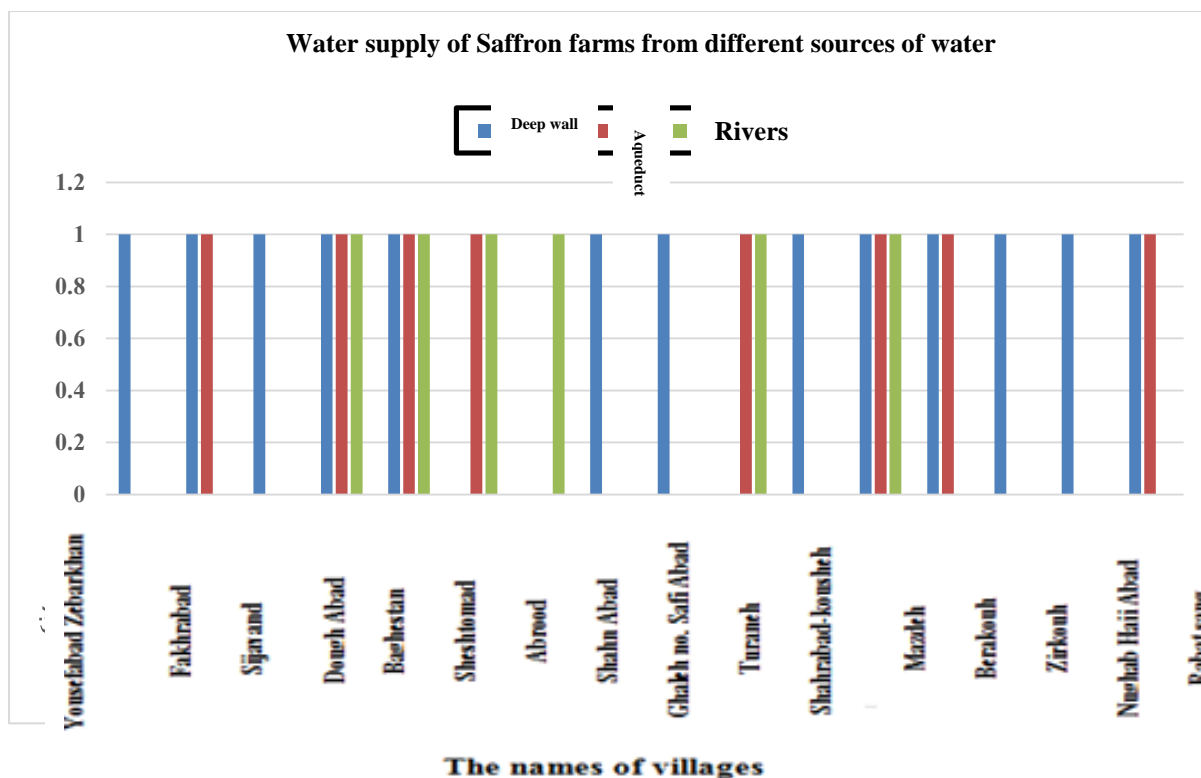


Figure 11. Water supply in rural farms from different sources in villages with BDSp

Percent of saffron farms from the total acreage under cultivation in the village

This index represents the connection between the livelihoods of rural community with saffron as a product, therefore, when the percentage of farms in rural areas is higher in comparison to the general farms, rural community show more endeavor for adapting methods to enhance performance, and ultimately, more revenue generating. On average, 54.25% of the total acreage in all villages are dedicated to cultivation of saffron, that is why it can be stated that the main crop produced in these areas is saffron. Figure (12), shows the status of this index as specified in different villages under supervision.

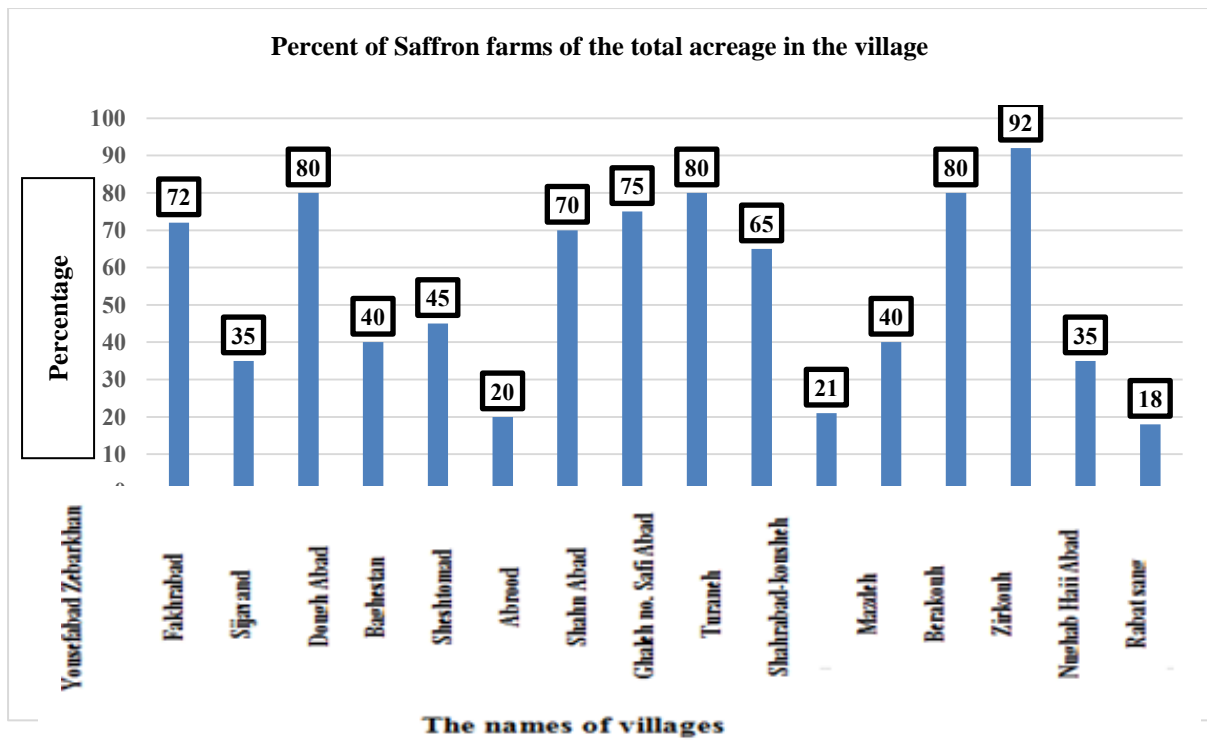


Figure 12. Percent of total area under cultivation farms in selected villages

The percentage of farmers using banking facilities for saffron farms

This indicator reflects the level of government supports for the planting and harvesting of saffron. Diagram (13) shows that often, villagers are not lucky enough to receive these kinds of facilities or generally speaking, there is no facility as such for developing the cultivation, increased performance and increase of the quality of product at all.

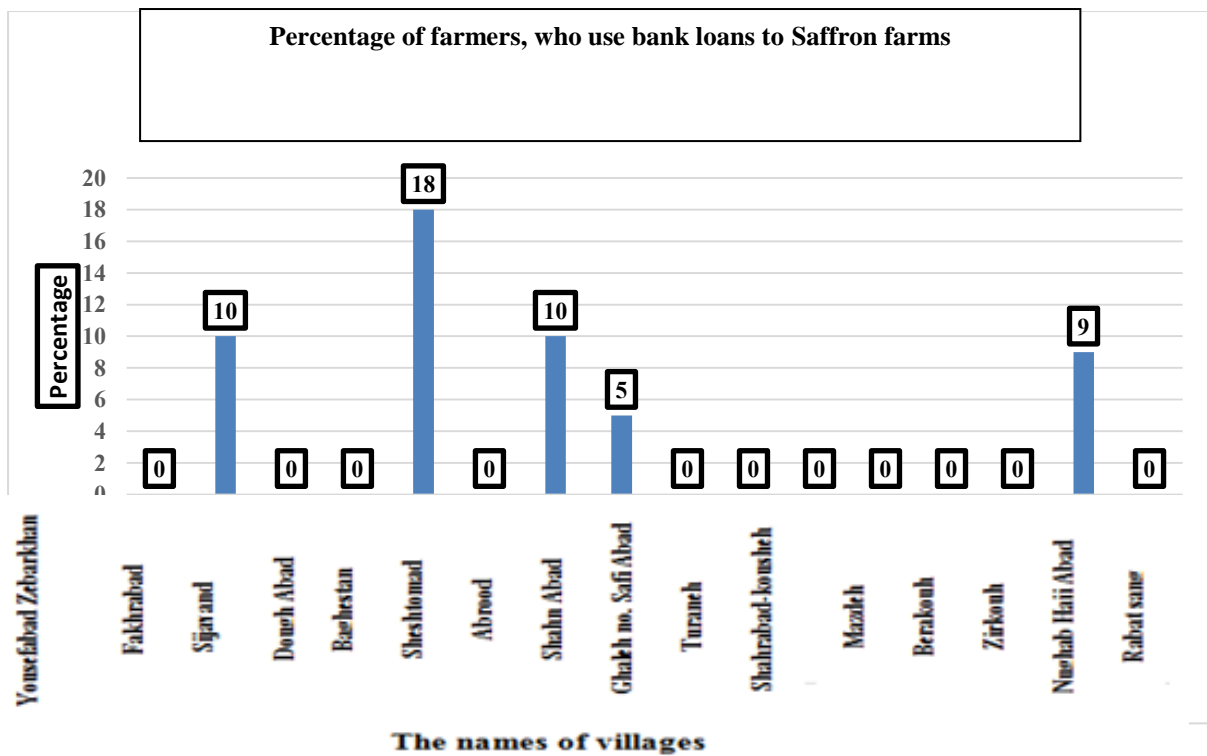


Figure 13. The percentage of consumers of bank loans to develop or enhance the performance and quality of saffron cultivation before starting the project

Number of training courses for improving the knowledge of farmers regarding saffron

One of the basic requirements for increasing the yield of dry saffron in farms is promoting the correct methods of planting and harvesting of saffron by experts for farmers. Results of figure (14) show that although saffron has high economic - social value, but little has been done for increasing the awareness of farmers regarding these methods.

Figure 14. Number of training courses for planting and harvesting of saffron in villages before starting the UNIDO project

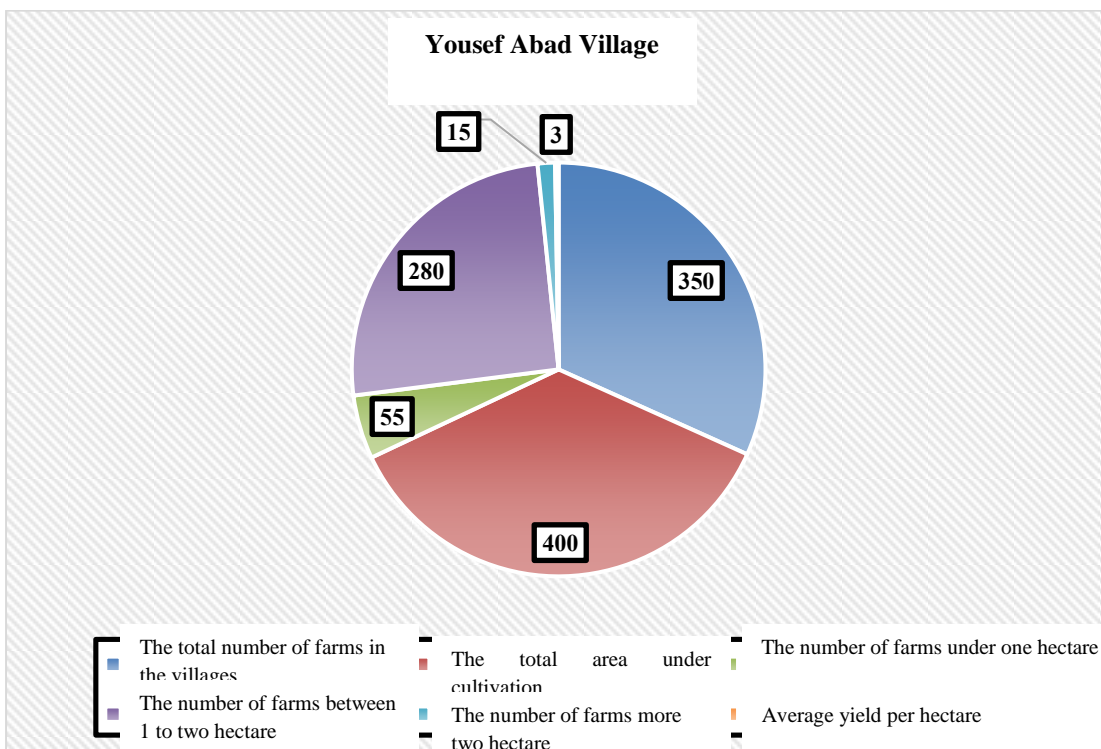
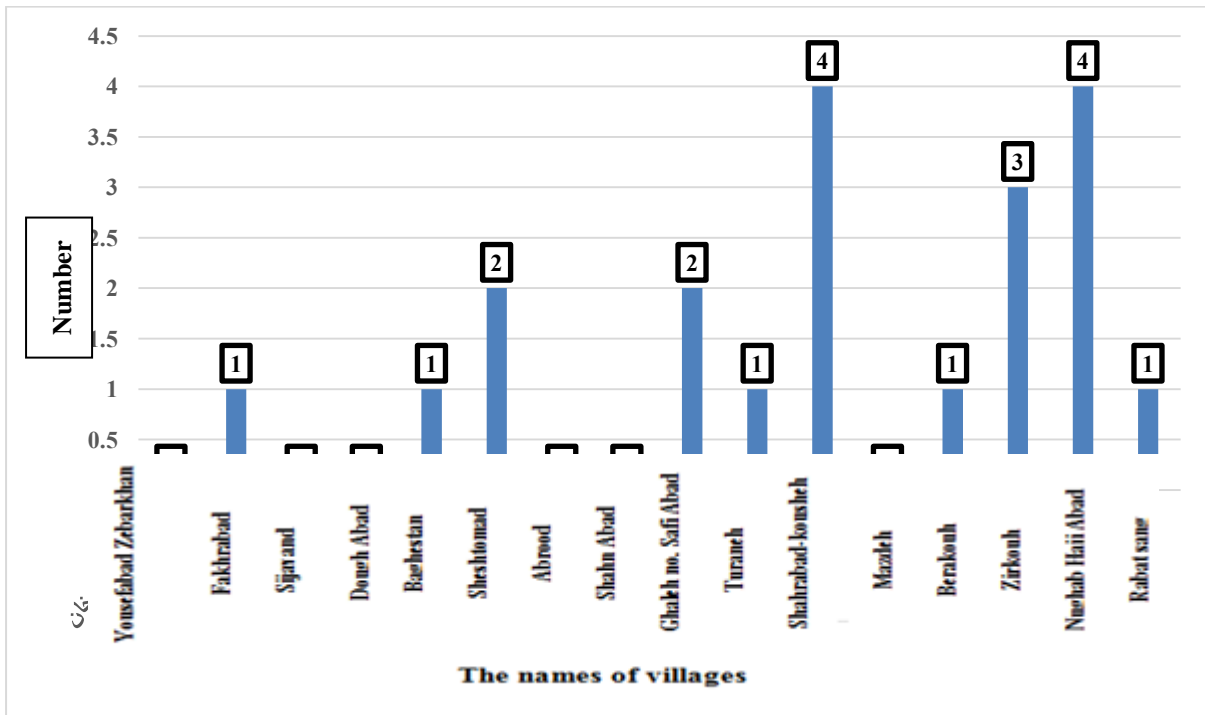


Figure 15. Status of Yousef Abad village

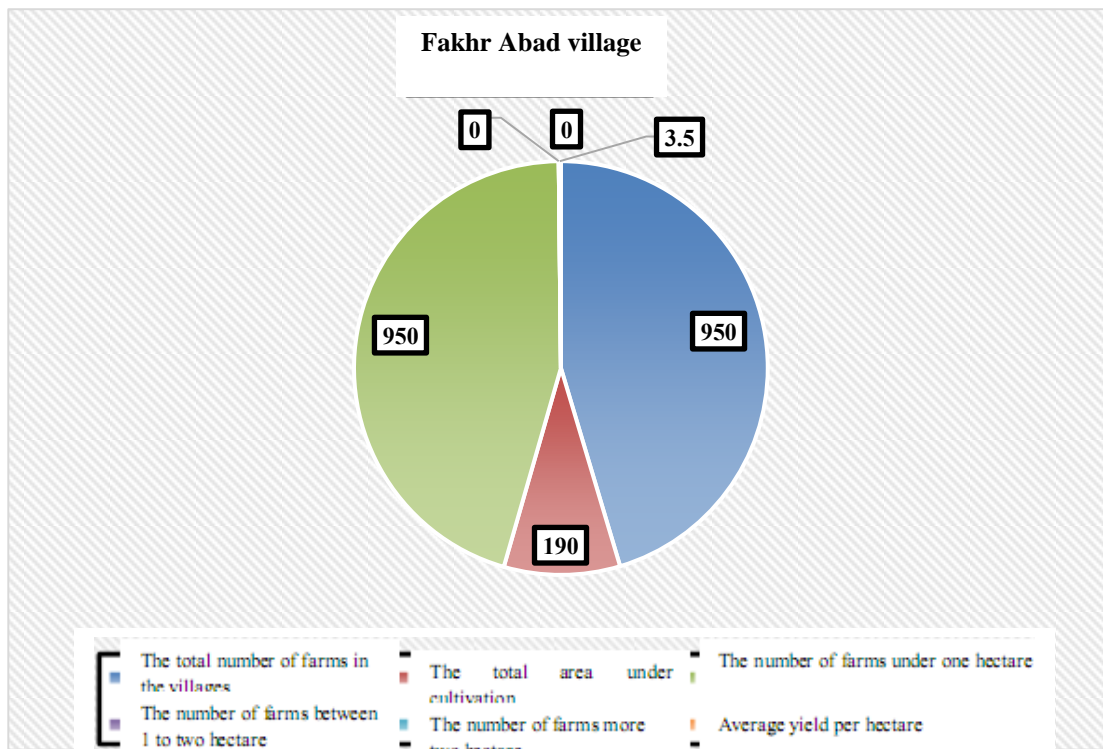


Figure 16. Status of Fakhr Abad village

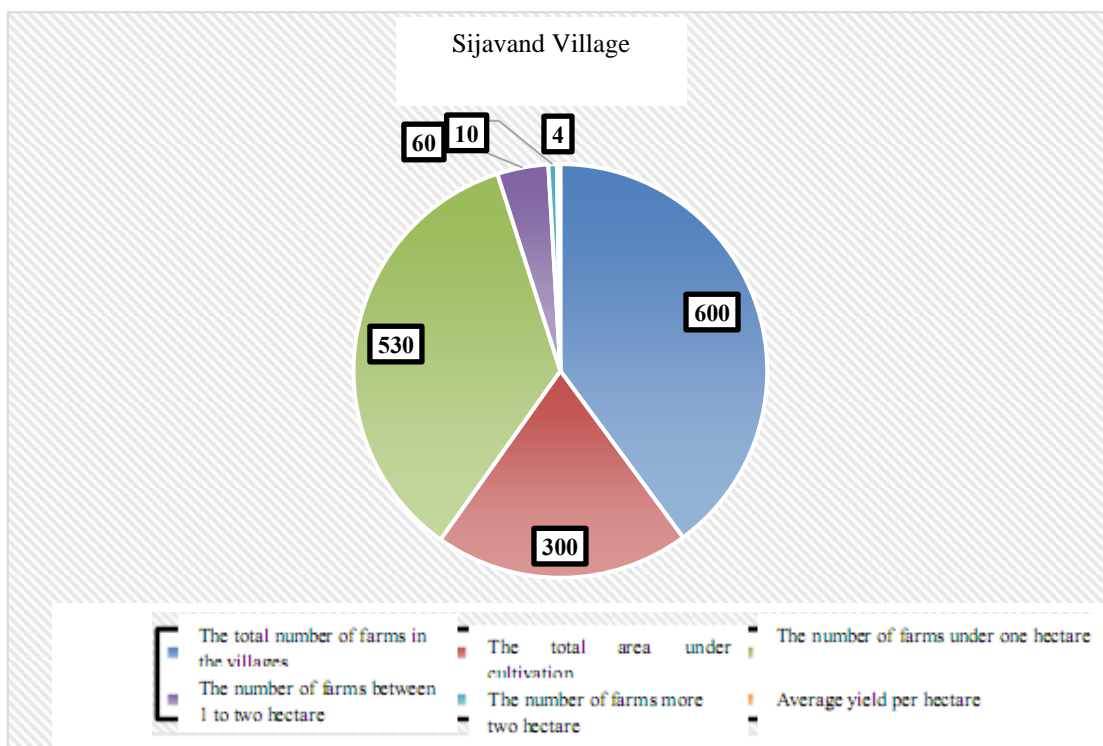


Figure 17. Status of Sijavand village

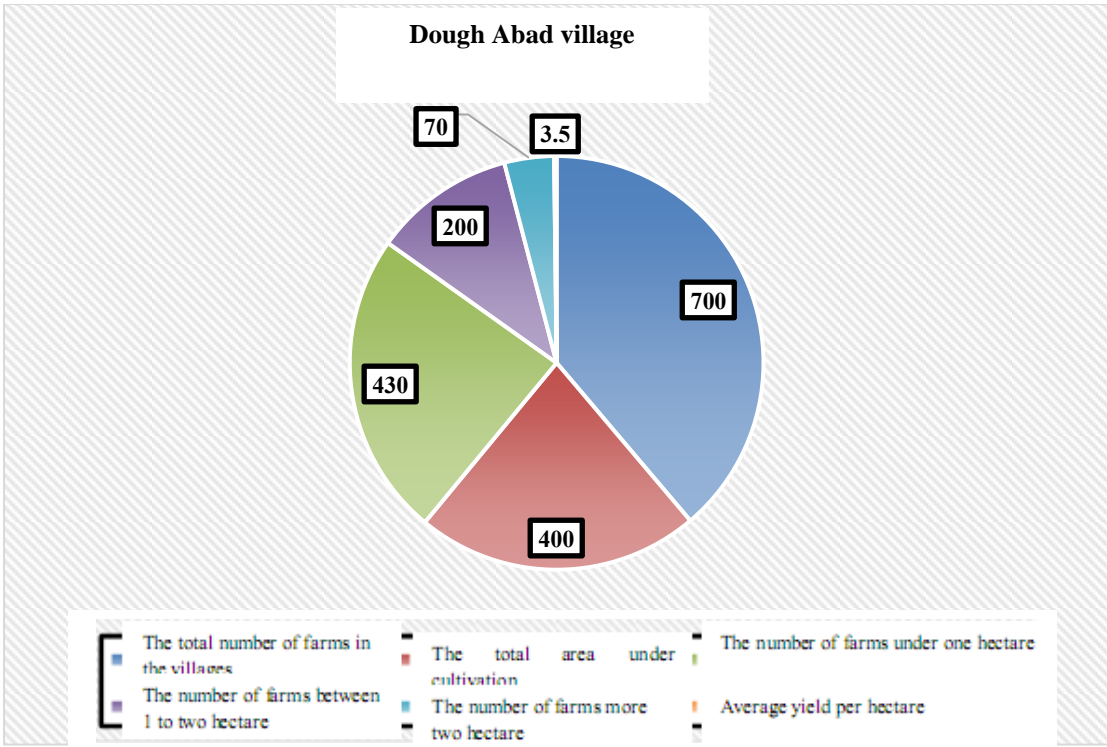


Figure 18. Status of Dough Abad village

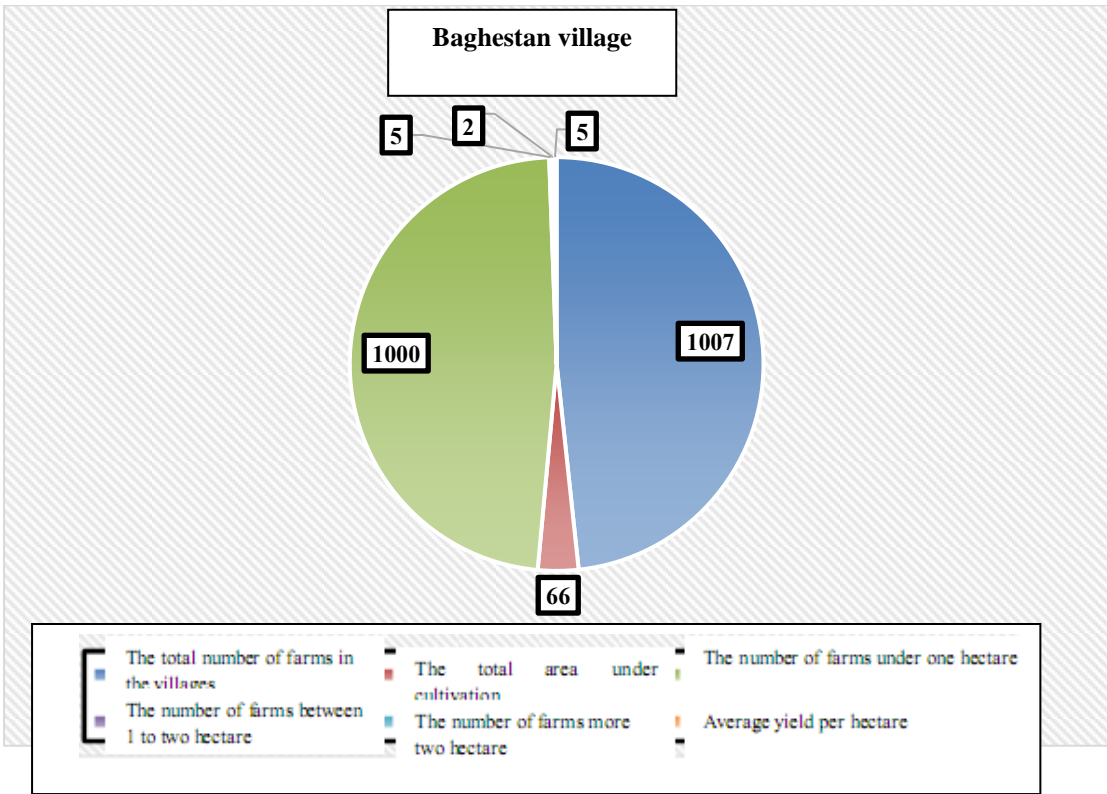


Figure 19. Status of Baghestan village

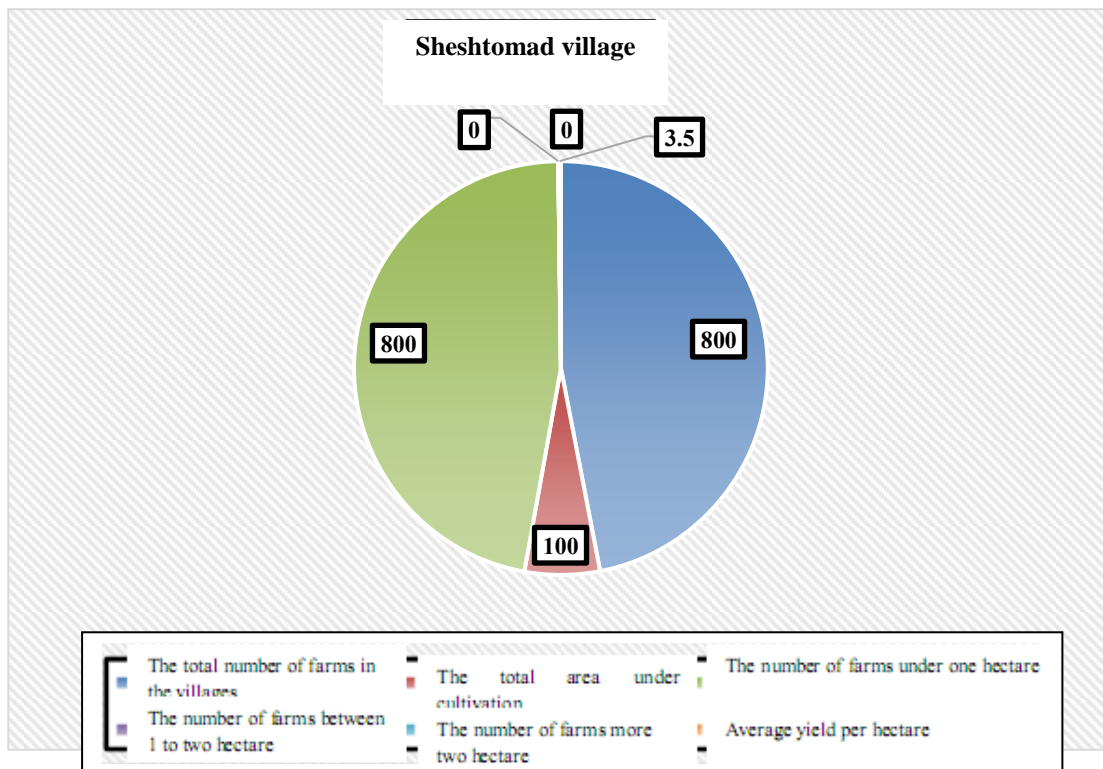


Figure 20. Status of Sheshtomad village

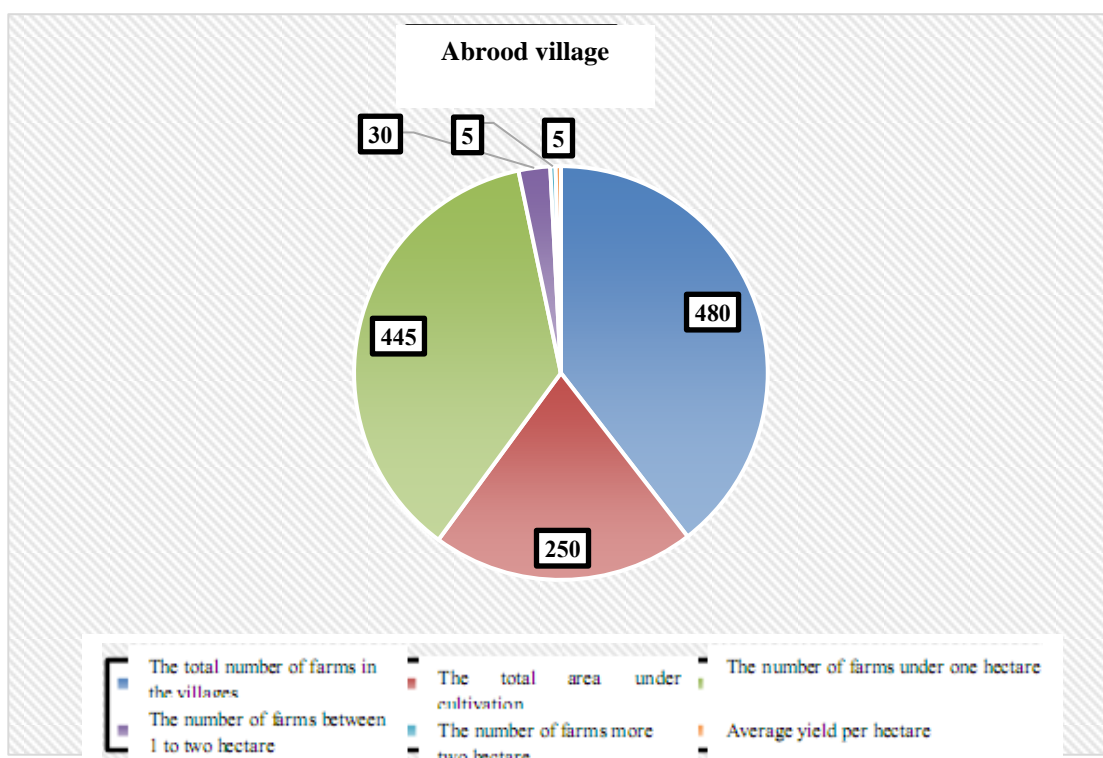


Figure 21. Status of Abrood village

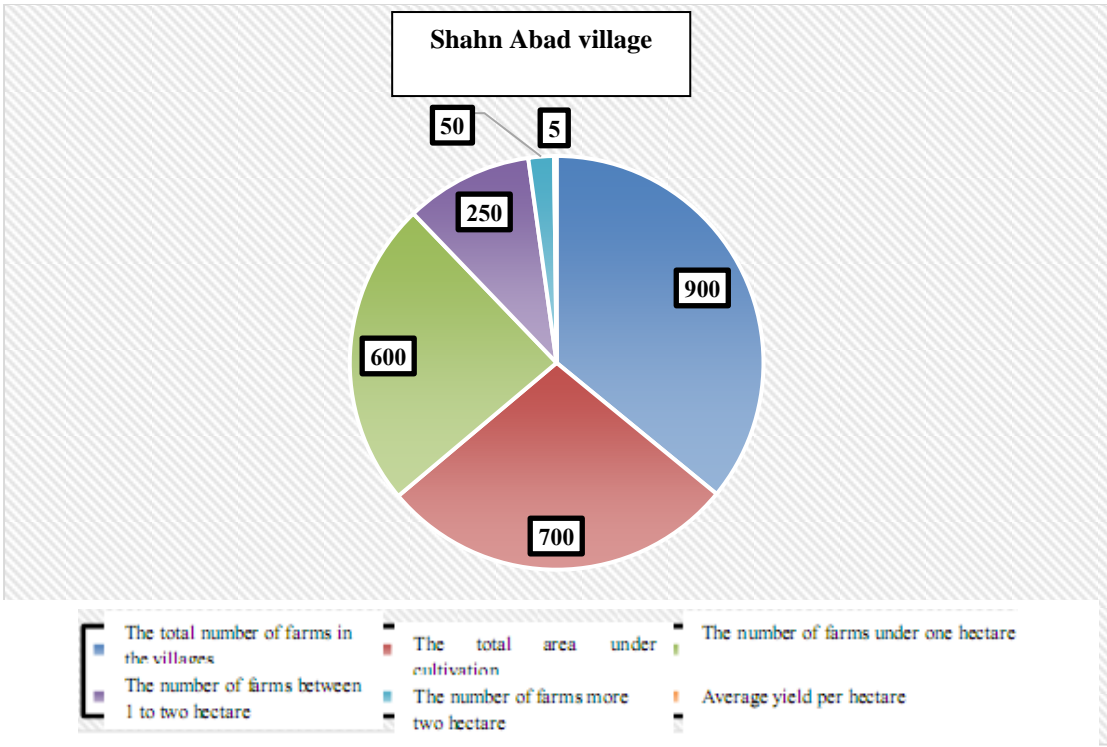


Figure 22. Status of Shahn Abad village

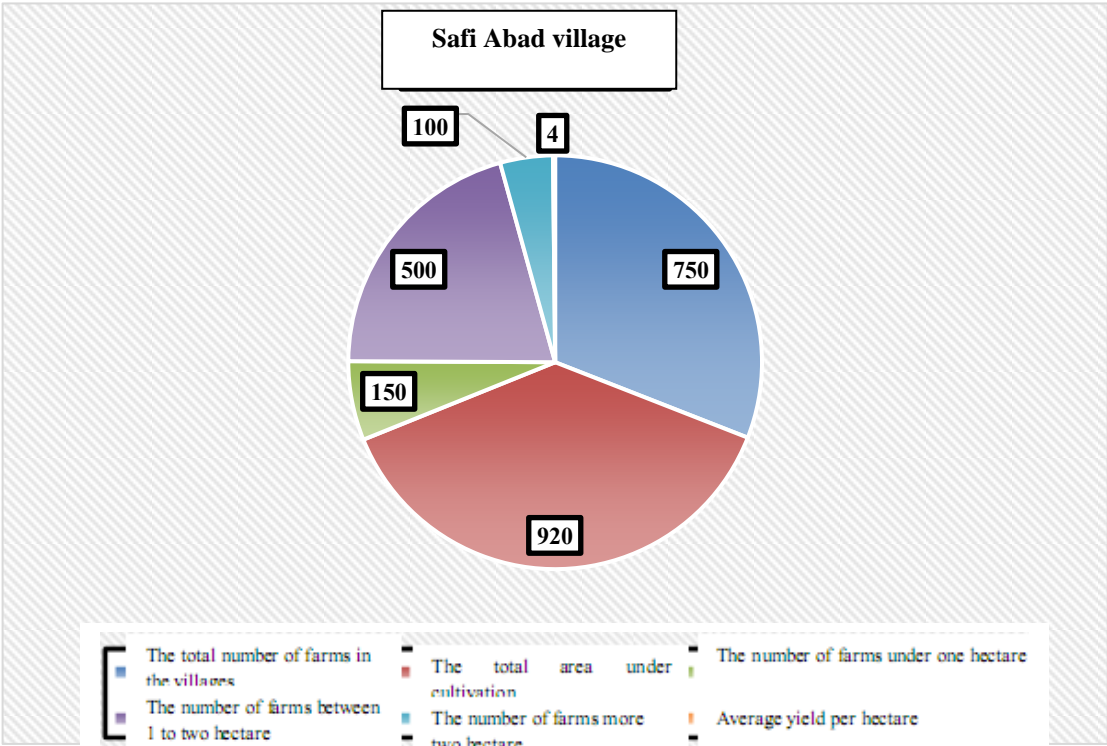


Figure 23. Status of Safi Abad village

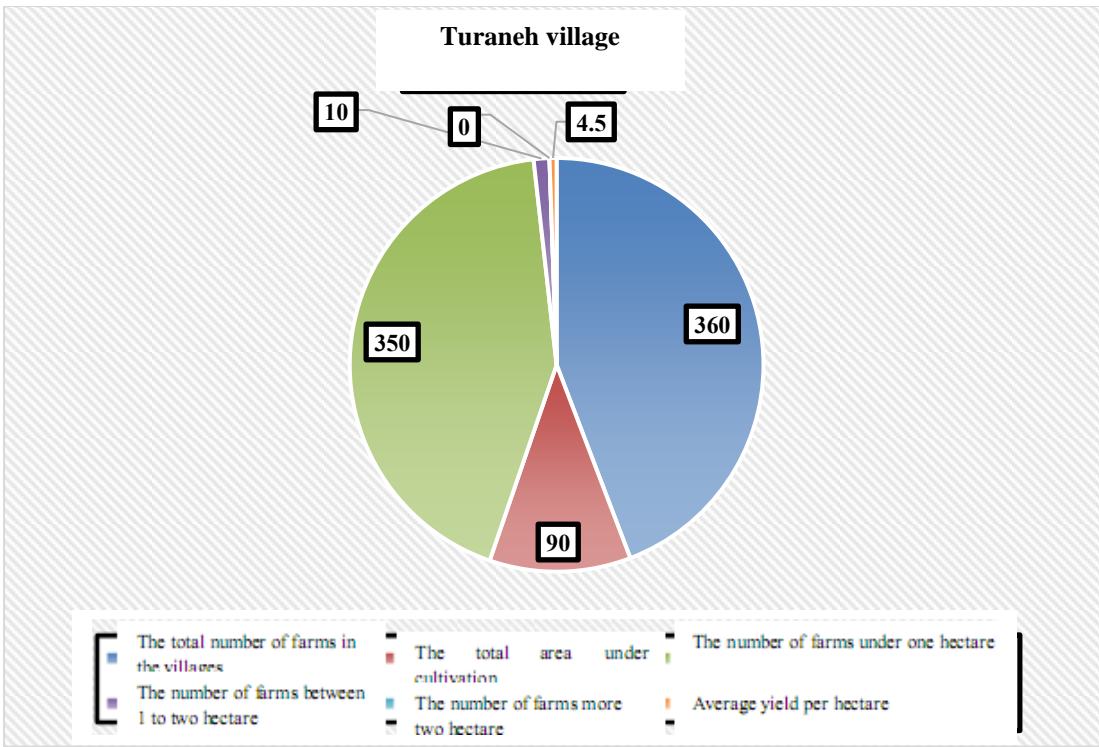


Figure 24. Status of Turaneh village

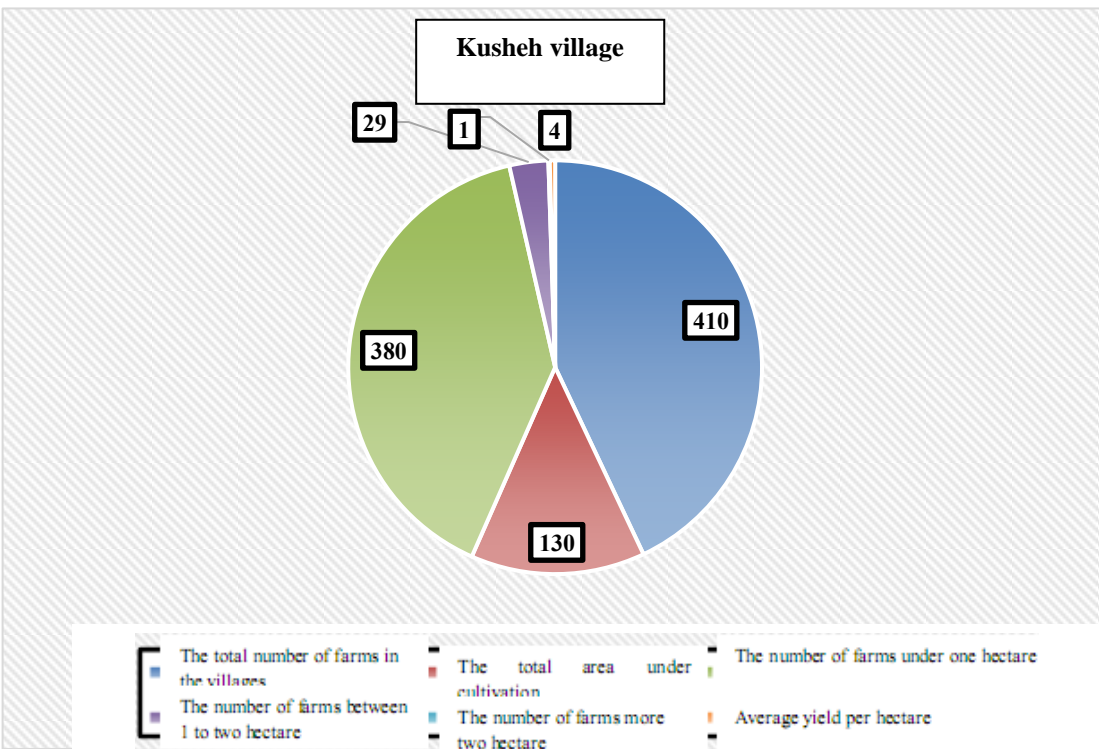


Figure 25. Status of Kusheh village

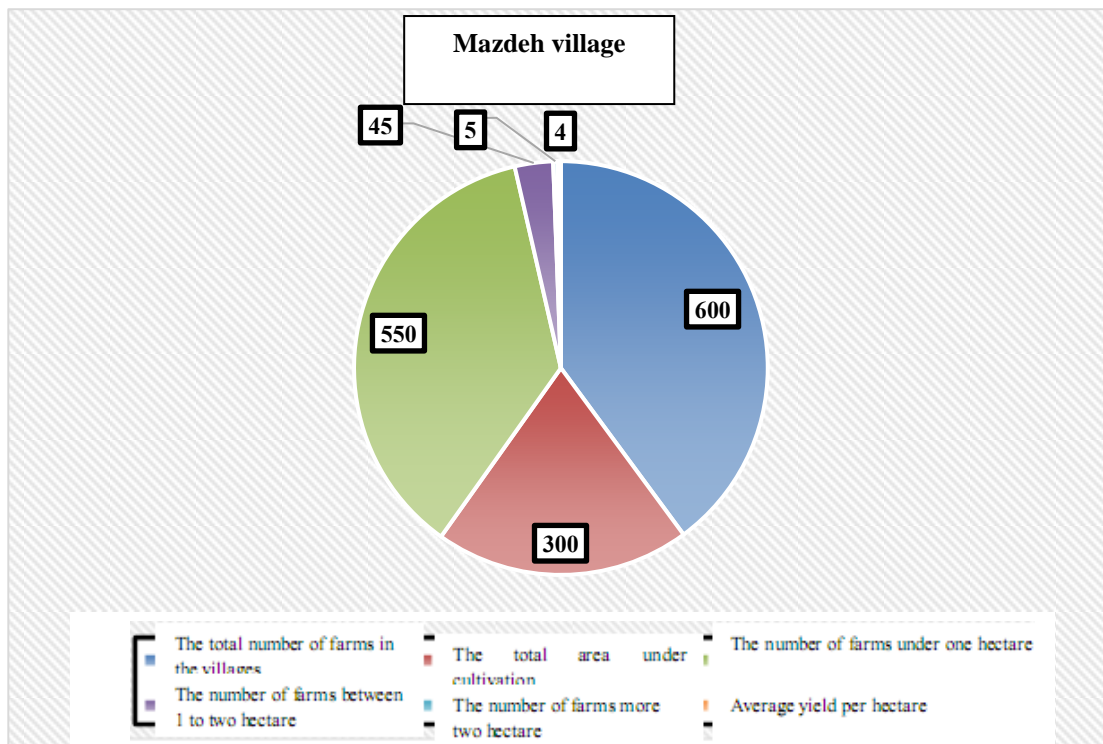


Figure 26. Status of Kusheh village

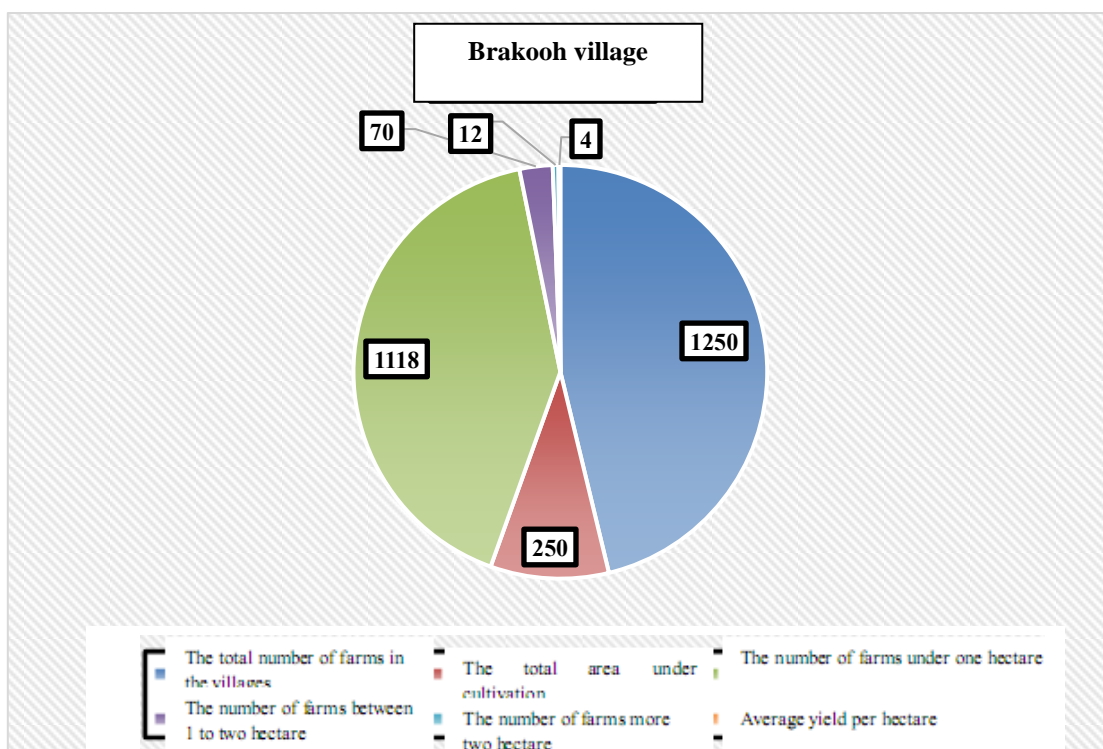


Figure 27. Status of Brakooh village

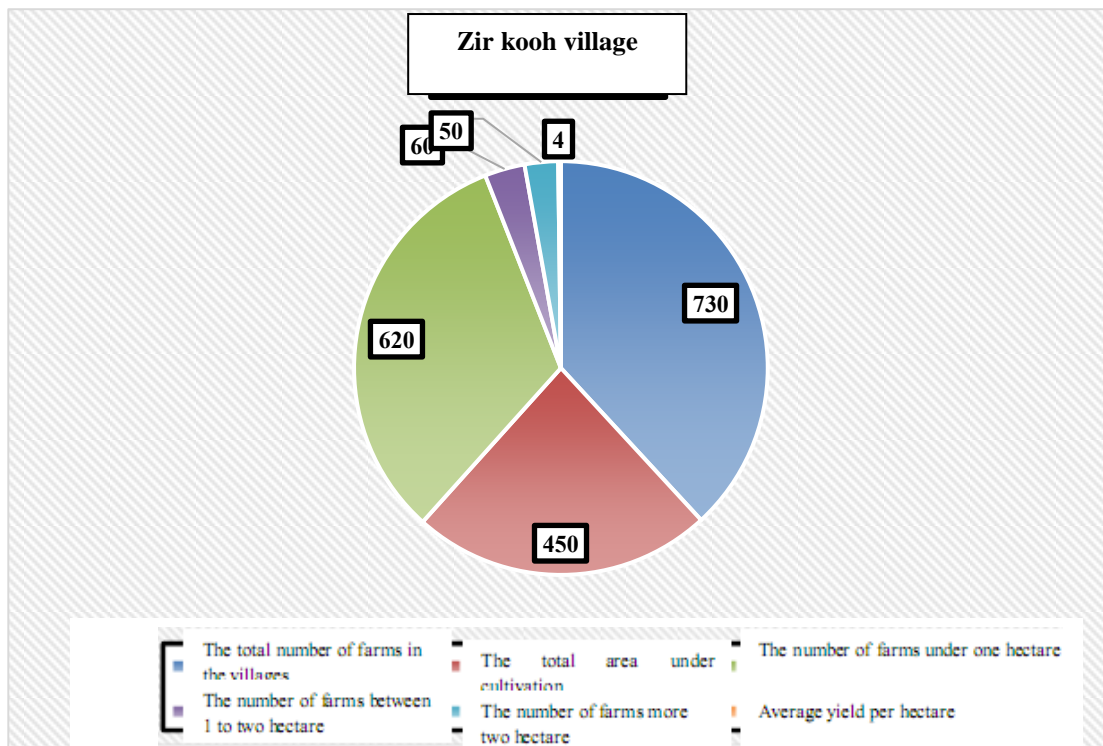


Figure 28. Status of Zir kooch village

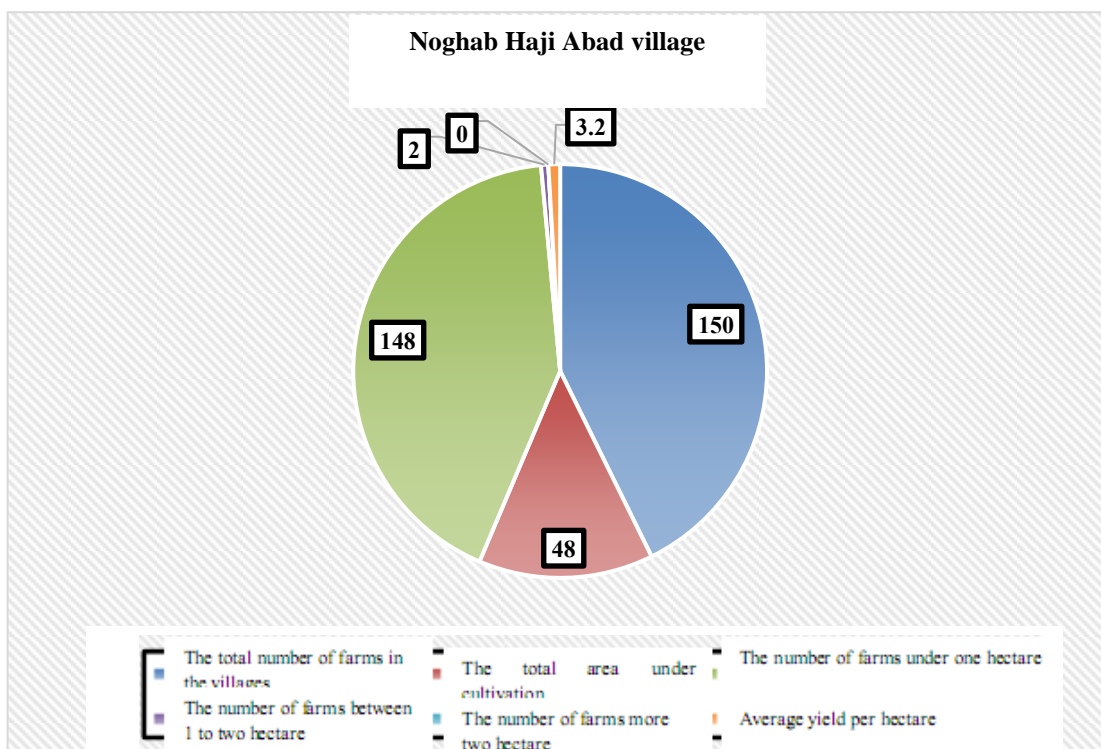


Figure 29. Status of Noghab Haji Abad village

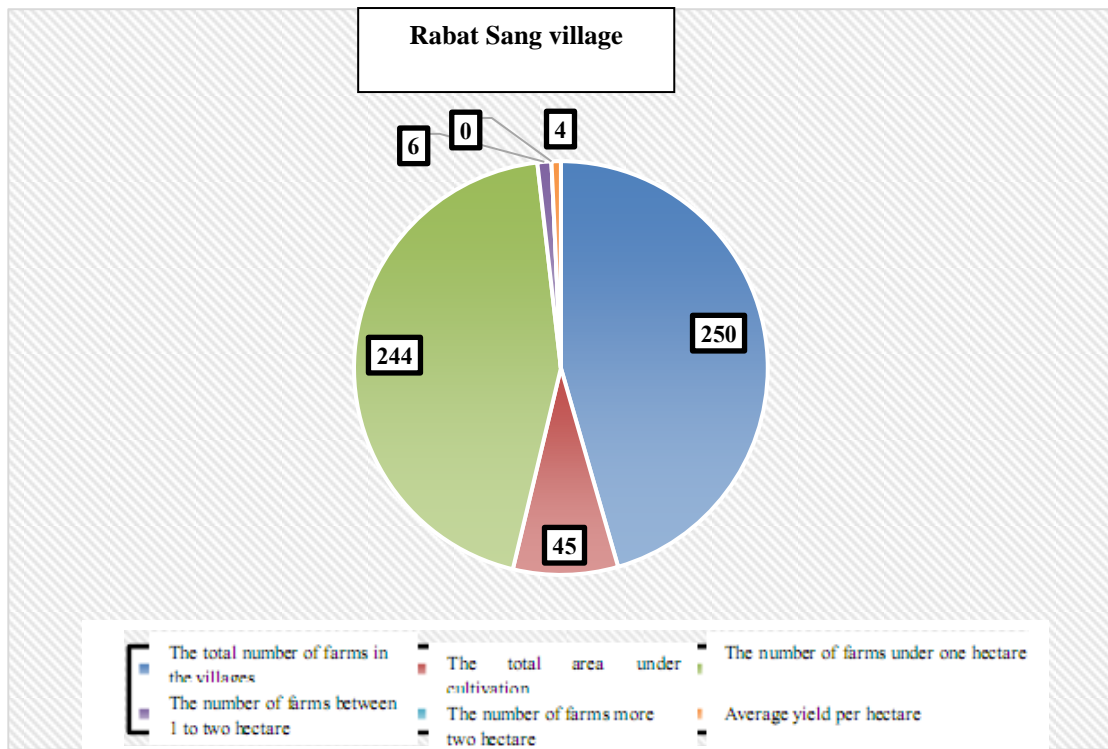


Figure 30. Status of Rabat Sang village



Report of the Separate Villages

City of Bakharz – Village:Toraneh

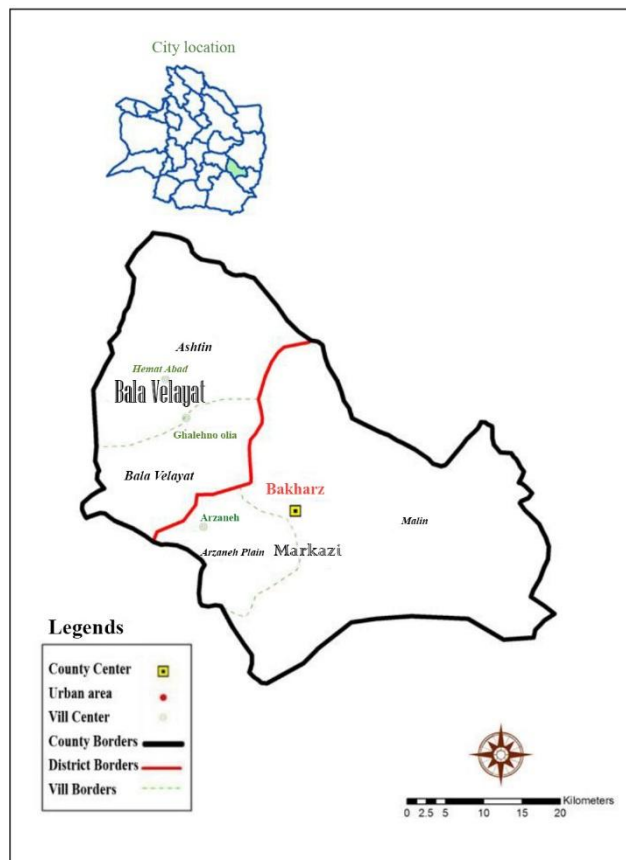
Bakharz City

Bakharz city is located at latitude 35° and 12 minutes and longitude 60° and 19 minutes. This city is located at 1279 meter above the sea level. Bakharz distances about 45 km from Torbat Jam in north, Bakharz Mountains and mountain villages from south, 75 km from Torbat Heiydariyeh in west, and also 50 km from Taybad in eastern part.

During the recent decade, saffron is planted in the most of farms in this city, and saffron cultivation developed gradually and quickly, so that according to the agricultural Jihad organization of Khorasan Razavi province, 3300 acres of the city fields are under Saffron cultivation now and produced 18150 kg of Saffron annually. The saffron production efficiency is about 5.5 kg per hectare, which is much more than average production of the province. The average field life of the bakharz farms is about 4 years and more than 13500 farmers are active in saffron planting in this city.

There are over 16020 saffron fields in Bakharz, in which, 99% of them are less than one acre in size.

The city of Bakharz is account for one of the newfound saffron production hubs in the Khorasan Razavi province. One of the most important regions of Saffron production in this city is toraneh district, which have many saffron field and produced most of saffron in this city. On this basis, one of the UNIDO saffron production project's advisers is active in this district.





United Nation Industrial Development Organization
Saffron Project

Village comprehensive report form

F-ED03

Date:

City: Bakharz

Village: Turaneh

Supervisor: Mohsen Esmaeili

Supervisor Code:

Location of Village: 24 km west

Distance from city center: 24 km

General characteristics of fields and under Saffron cultivation areas

total number of saffron farms in the village	total cultivated area (acres)	average cultivation life of all farms (years)	total number of saffron producer (person)	total population of the village (person)
360	90	4-5	1500	1800
number of farms under one hectare	number of farms between 1-2 hectare	number of farms over two hectare	average surface area of Saffron fields	average production per hectare (approximate)
350	10		2500	4.5 kg

The condition of Saffron fields irrigation

Do the village have a deep well?	Yes <input type="checkbox"/> No <input type="checkbox"/> *	The amount of watering	The number well's owners
Does the village have a kanat?	Yes <input type="checkbox"/> * No <input type="checkbox"/>	The amount of discharge	
Does the village have a river?	Yes <input type="checkbox"/> * No <input type="checkbox"/>	Description: they only have water in spring season	
Does required water be supplied from other areas?	Yes <input type="checkbox"/> * No <input type="checkbox"/>	Region name: Avian village with Tanker	The overall supply:
The number of farms or those who irrigate their farms with a tank:		No of people and areas under irrigation with tanks:	
Percentage of dryland saffron fields		Percentage of irrigated saffron fields: 100%	
Other explanations regarding to irrigation:			

Other agricultural products of village: ranch products and hey fields

The approximate percentage of saffron field from total land area of the village: 65%
The approximate percentage of saffron farmers from total number of farmers in the village: 100%

How many farmers used agriculture bank facilities for saffron farming in the village?

Average amount of bank facilities?

Number of saffron cultivation specialized training courses have been held in the village: on saffron planting workshop

Produced by: Mohsen Esmaeili, Bakharz city
signature

Verifier: Dehyar
Signature

Note: This form must be approved by village Dehyar and has Dehyary stamp.

City: Bakharz

Village: Turaneh

Supervisor: Mohsen Esmaili

Supervisor
Code:

Date of Establishment: 6th Oct.
2014

Network head name (NDA):

NDA cellphone: 09390724402
NDA phone: 01514963341

The farmland parcel characteristics and surface areas under saffron cultivation by the saffron network members

The network member name:	Ownership status		Saffron farm area (square meter)	Production year	Member's phone number
	Owner	tenant			
EshghaliEsmaili	*		20000	4-5	05154963341
Rahman Moradi	*		10000	5	05154963223
Ali Eghdam	*		5000	3	09152456903
Ali Sarkhosh	*		20000	4-5	09151268039
HeshmatollahEsmaili	*		10500	5	05154963370
NooraliAhmadi	*		10000	4	09159286912
EbrahimEsmaili	*		10000	3	09159272844
Hassan Ali Bazrafshan	*		10000	6	09158135040
Amin Esmaili	*		10000	5	05154963211
GhorbanEsmaili	*		6000	4-5	05154963251
RamazanKhodadadi	*		4000	3-4	09159272503
EbrahimKamali	*		5000	5	09158290030
EshghaliBazrafshan	*		10000	5	05154963354
Rajab Bazrafshan	*		4000	6	05154963255
BeratallahKhodadadi	*		5000	5	05154963361
GhorbanDalir	*		10000	4	09152518526
FajhollahKhodadadi	*		2000	4	09159289767
BeratallahGhorai	*		3000	4	09156443119
Mohammad Ghorai	*		2000	5	05154963348
Hassan Esmaili	*		2000	4	09155281422
Ahmad Rezaei	*		10000	4	09387412936
Hassan Rezaei	*		10000	5	05154963376
Hamid Esmaili	*		5000	5	09374558143
RamazanEsmaili	*		7000	4	09159198192
AbasMoradi	*		9000	2	05154963353
HeraghaliEsmaili	*		10000	5	05154963328
AbdollahRezvan	*		1000	2	09155191090
GholamHosseinKamali	*		5000	5	05154963390
GhorbanEqbal	*		20000	4	05154963323

Signature of network chief

Signature of supervisor



In the name of God

Pledge of security and warranty

This warranty/guarantee contract is entered into between members of Islamic council of the **Turaneh** village and **Mr. EhsanBazrafshan** (village Dehyar or agent) with national identification number of 0740030361 (hereinafter referred to as trustee), on one hand and the Office of saffron value chain development projects of the United Nations industrial development representing Mr. Reza Taziky (hereinafter called UNIDO Project Office) on the other hand, and agreed and signed. The provisions of this pledge of trust and guarantee is as follows:

1. A cabinet dryer with 5 kg of saffron drying capacity, with code number which is entitled to all property rights to UNIDO project office, has been delivered for a period of one year of anno hegira from the date of delivery of the device to borrowers for drying saffron produced by members of saffron production network in the **Turaneh** village to the trustee (the Trustee mentioned above).

2. The responsibility for maintenance and proper use is of the UNIDO saffron project's advisor **Mr. Hassan Esmaili** son of **Eshghali** with national identification number **0739917202**, and after him, is of Mr. son of with national id of and also all the trustees (all of network members).

3. All the trustees and those responsible for maintenance of the apparatus should have paying attention to precise and proper use of the trusted apparatus and operate it in accordance with the instructions for use and maintenance of the device.

4. The device is covered by one year warranty and after sales services according to the vendor plights, and if you require any of this maintenance obligations, responsible person can contact the seller and manufacturer.

5. The dryer electricity bills are of the user responsibility; thus, the specified operator of the apparatus can accrued a certain amount from each one of members who use dryer for drying their own saffron based on a mutual agreement, this cost is an agreed amount for electricity costs (from network members) and should be determined with agreement of network members and Islamic council members in a written from.

6. If the device capacities have been used correctly and efficiently, and after the conformity with technical requirements evaluation by the UNIDO saffron Project Office; the Office (UNIDO saffron project office) have the right to surrender the ownership of lifetime and free usage of the device to the village and saffron production network.

7. The trustees would disclaims all their rights of losses or harms even outright, and never claim any rights to device ownership, goodwill and so on; and they have

disclaimer their own right to any complaints and subsequent protests and legal action in any forms after signing this recognizance.

8. The UNIDO project office is not in any way responsible for partial or complete losses of the quality and quantity of saffron that been dried by this device due to improper or any fault application of the device; and no costs or compensation shall be provided by UNIDO project's office (device owner) for partial or complete damages due to improper utilization of device.

9. The borrowers shall not have the right to move or transit the device to out of the village and they should hand over the device in safe and sound state to the UNIDO project office.

10. The network members who their names are attached here should have the priority in using device, and no cost must incur on them except for electricity, members shall not paying any charge for drying saffron.

Note 1. All the rights to partial or complete assignment of the device from the time of delivery until any time declared by UNIDO project as the owner of the device are totally incumbent to UNIDO Project Office, and trustees and beneficiaries of device have not any right to appeal or object to any of UNIDO Project Office (owner) decisions.

Note 2. Incurring any charges, fees or wages for drying to farmers whom aren't member of the network, provided that there is excess capacity of member farmers, shall be the decided by the project advisor and member of Islamic council of village.

This pledge of security (above mentioned) have been concluded in 10 paragraph and 2 provisions (notes), and approved by members of Islamic council of **Turaneh village**, head of UNIDO saffron project's network in this village, Mr. **Hassan Esmaeili**, UNIDO saffron project's advisor in village Mr. **Hassan Esmaeili**.

The list of network members is attached to this pledge letter.

Project advisor signature

Name: Mohsen Esmaeili
Date: 19th Oct 2014

Dehyar signature

Name: EhsanBazrafshan
Date: 19th Oct 2014

Head of Islamic council of
village signature

Name: Ali Sarkhosh
Date: 19th Oct 2014

City of Bardaskan – Village:Kousheh

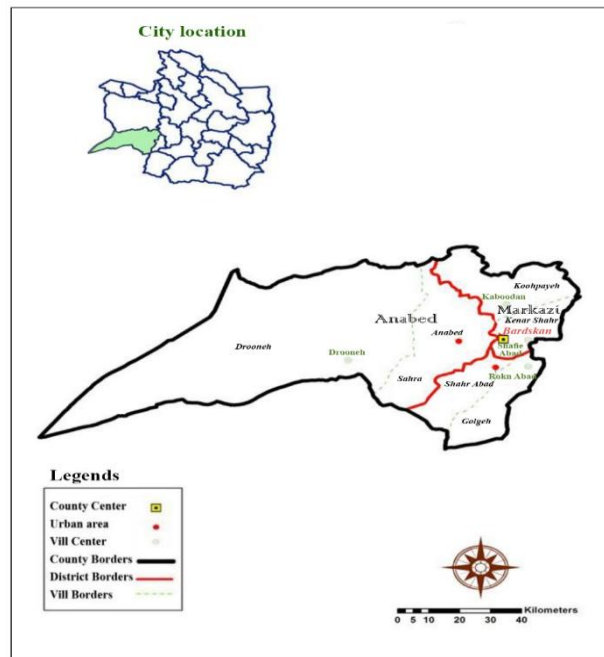
Bardaskan City

Bardaskan County is located at northern edge of the Namak desert and extended between latitude of 56 degrees and 14 minutes to 58 degrees and 15 minutes, and longitude of 34 degrees and 42 minutes. Bardaskan city extends over a 7664 square kilometer surface area in the Khorasan Razavi province. This city has common border with Sabzvar city from north, Khalil Abad city from west, northeast to Kashmar and Tabas of south Khorasan from South, and also with Shahrood city from Semnan province form west. Bardaskan city is the center city of county which is located at longitude of 57, 57' and latitude of 35, 15', about 265 kilometer far from northwest of Holley Mashhad. This city is located at 985 meter above the sea level.

During the recent decade, saffron is planted in the most of farms in this city, and saffron cultivation developed gradually and quickly, so that according to the agricultural Jihad organization of Khorasan Razavi province, 3350 acres of the city fields are under Saffron cultivation now, and produced 13400 kg of Saffron annually. The saffron production efficiency is about 4 kg per hectare, which is much more than average production of the province.

The average field life of the Bardaskan farms is about 6 years and more than 8243 farmers are active in saffron planting in this city.

There are over 8243 saffron field in Bardaskan, in which, 95% of them are less than one acres in size. The city of Bardaskan is account for one of the newfound saffron production hubs in the Khorasan Razavi province. One of the most important regions of Saffron production in this city is Shahr Abad region.





City: Bardskan

Village:Shahr Abad

Supervisor: Hossain Javadi

Supervisor Code:

Location of Village: southeast of Bardskan city

Distance from city center: 15 km

General characteristics of fields and under Saffron cultivation areas

total number of saffron farms in the village	total cultivated area (acres)	average cultivation life of all farms (years)	total number of saffron producer (person)	total population of the village (person)
410	130	6	270	2104
number of farms under one hectare	number of farms between 1-2 hectare	number of farms over two hectare	average surface area of Saffron fields	average production per hectare (approximate)
380	29	1	0.3 acre	4 kg

The condition of Saffron fields irrigation

Do the village have a deep well?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> 8	The amount of watering	The number well's owners
Does the village have a kanat?	Yes <input type="checkbox"/> *No <input checked="" type="checkbox"/>	The amount of discharge	
Does the village have a river?	Yes <input type="checkbox"/> *No <input checked="" type="checkbox"/>	Description: they only have water in spring season	
Does required water be supplied from other areas?	Yes <input type="checkbox"/> *No <input checked="" type="checkbox"/>	Region name: Avian	The overall supply:
The number of farms or those who irrigate their farms with a tank:		No of perople and areas under irrigation with tanks:	
Percentage of dryland saffron fields		Percentage of irrigated saffron fields:	100%
Other explanations regarding to irrigation:			

Other agricultural products of village:Pistachio, grapes, wheat, barley	The approximate percentage of saffron field from total land area of the village: 21% The approximate percentage of saffron farmers from total number of farmers in the village: 75%
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How many farmers used agriculture bank facilities for saffron farming in the village?

Average amount of bank facilities?

Number of saffron cultivation specialized training courses have been held in the village: 4

Produced by:Hossain Javadi
signature

Verifier:Dehyar
Signature

Note: This form must be approved by village Dehyar and has Dehyary stamp.



In the name of God

Pledge of security and warranty

This warranty/guarantee contract is entered into between members of Islamic council of the **Koosheh** village and **Mr. Alaedin Mohammad-Zadeh** (village Dehyar or agent) with national identification number of 0740030361 (hereinafter referred to as trustee), on one hand and the Office of saffron value chain development projects of the United Nations industrial development representing Mr. Reza Taziky (hereinafter called UNIDO Project Office) on the other hand, and agreed and signed. The provisions of this pledge of trust and guarantee is as follows:

1. A cabinet dryer with 5 kg of saffron drying capacity, with code number which is entitled to all property rights to UNIDO project office, has been delivered for a period of one year of anno hegira from the date of delivery of the device to borrowers for drying saffron produced by members of saffron production network in the **Koosheh** village to the trustee (the Trustee mentioned above).

2. The responsibility for maintenance and proper use is of the UNIDO saffron project's advisor **Mr. Hossain Javadi** son of **Ali** with national identification number **0890057249**, and after him, is of Mr. **Hassan Molani** son of **Mahmud** with national id of **5729204280** and also all the trustees (all of network members).

3. All the trustees and those responsible for maintenance of the apparatus should have paying attention to precise and proper use of the trusted apparatus and operate it in accordance with the instructions for use and maintenance of the device.

4. The device is covered by one year warranty and after sales services according to the vendor plights, and if you require any of this maintenance obligations, responsible person can contact the seller and manufacturer.

5. The dryer electricity bills are of the user responsibility; thus, the specified operator of the apparatus can accrued a certain amount from each one of members who use dryer for drying their own saffron based on a mutual agreement, this cost is an agreed amount for electricity costs (from network members) and should be determined with agreement of network members and Islamic council members in a written from.

6. If the device capacities have been used correctly and efficiently, and after the conformity with technical requirements evaluation by the UNIDO saffron Project Office; the Office (UNIDO saffron project office) have the right to surrender the ownership of lifetime and free usage of the device to the village and saffron production network.

7. The trustees would disclaims all their rights of losses or harms even outright, and never claim any rights to device ownership, goodwill and so on; and they have

disclaimer their own right to any complaints and subsequent protests and legal action in any forms after signing this recognizance.

8. The UNIDO project office is not in any way responsible for partial or complete losses of the quality and quantity of saffron that been dried by this device due to improper or any fault application of the device; and no costs or compensation shall be provided by UNIDO project's office (device owner) for partial or complete damages due to improper utilization of device.

9. The borrowers shall not have the right to move or transit the device to out of the village and they should hand over the device in safe and sound state to the UNIDO project office.

10. The network members who their names are attached here should have the priority in using device, and no cost must incur on them except for electricity, members shall not paying any charge for drying saffron.

Note 1. All the rights to partial or complete assignment of the device from the time of delivery until any time declared by UNIDO project as the owner of the device are totally incumbent to UNIDO Project Office, and trustees and beneficiaries of device have not any right to appeal or object to any of UNIDO Project Office (owner) decisions.

Note 2. Incurring any charges, fees or wages for drying to farmers whom aren't member of the network, provided that there is excess capacity of member farmers, shall be the decided by the project advisor and member of Islamic council of village.

This pledge of security (above mentioned) have been concluded in 10 paragraph and 2 provisions (notes), and approved by members of Islamic council of **Kooshehvillage**, head of UNIDO saffron project's network in this village, Mr. **Hassan Molania**, UNIDO saffron project's advisor in village Mr. **Hossain Javadi**.

The list of network members is attached to this pledge letter.

Project advisor signature

Name: Mohsen Esmaeili
Date: 19th Oct 2014

Dehyar signature

Name: EhsanBazrafshan
Date: 19th Oct 2014

Head of Islamic council of
village signature

Name: Ali Sarkhosh
Date: 19th Oct 2014

City of Torbat Heydarieh – Village:Dooghabad

Torbat Heydarieh City

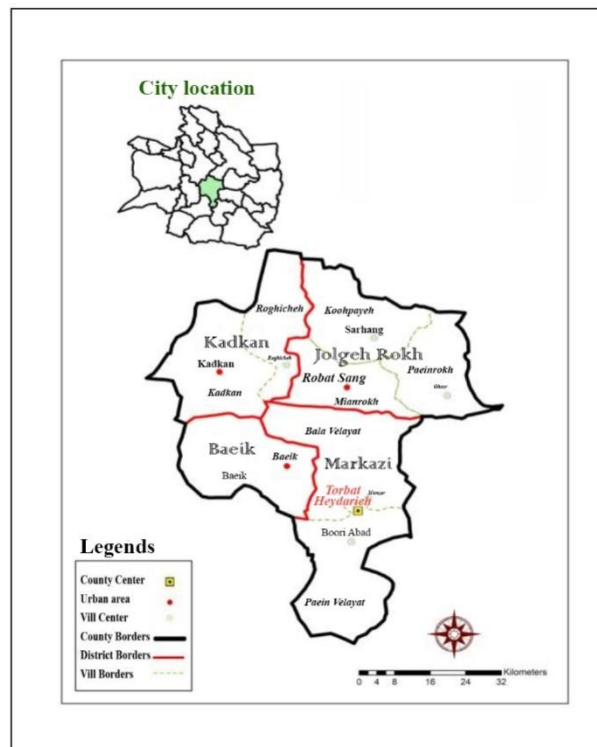
Torbat Heydarieh with 3672 square kilometer of surface area is of Khorasan Razavi province jurisdiction, which is located 152 km south to Mashhad city.

This city with 3672 km² surface area is 1333 meter over the sea level. During the recent decade, saffron is planted in the most of farms in this city, and saffron cultivation developed gradually and quickly, so that according to the agricultural Jihad organization of Khorasan Razavi province, 7550acres of the city fields are under Saffron cultivation now, and produced 34730 kg of Saffron annually. The saffron production efficiency is about 4.6 kg per hectare, which is much more than average production of the province.

The average field life of the Torbat Heydarieh farms is about 6 years and more than 16100 farmers are active in saffron planting in this city.

There are over 16410 saffron fields in Torbat Heydarieh, in which, 75% of them are less than one acre in size.

The city of Torbat Heydarieh is account for one of the newfound saffron production hubs in the Khorasan Razavi province, and placed in second after Zaveh county based on the amount of harvested saffron. The main region of Saffron production in Torbat heydarieh is Robat-sang and Abrood district that many villages in these districts are planting saffron.





City: Mahvelat Village:Doogh Abad Supervisor: MoslemMalekhassani Supervisor Code:

Location of Village: Mahvelat County, Shadmehr District, Dooghabad vill Distance from city center: 7 km

General characteristics of fields and under Saffron cultivation areas

total number of saffron farms in the village	total cultivated area (acres)	average cultivation life of all farms (years)	total number of saffron producer (person)	total population of the village (person)
700	400	5	2500	3500
number of farms under one hectare	number of farms between 1-2 hectare	number of farms over two hectare	average surface area of Saffron fields	average production per hectare (approximate)
430	200	70	0.5 Ha	3-4

The condition of Saffron fields irrigation

Do the village have a deep well? Yes No The amount of watering 6 inches The number well's owners: 50 ind.

Does the village have a kanat? Yes No The amount of discharge: 15 L/s

Does the village have a river? Yes No Description: there are permanent river

Does required water be supplied from other areas? Yes No Region name: Avian The overall village with Tanker supply:

The number of farms or those who irrigate their farms with a tank: No of perople and areas under irrigation with tanks:

Percentage of dryland saffron fields Percentage of irrigated saffron fields: 100%

Other explanations regarding to irrigation:This village has 24 deep wells and 4 kanats and a permanent river

Other agricultural products of village:pomegranate, pistachio, wheat, barley	The approximate percentage of saffron field from total land area of the village:40% The approximate percentage of saffron farmers from total number of farmers in the village: 90%
--	---

How many farmers used agriculture bank facilities for saffron farming in the village?
Average amount of bank facilities?

Number of saffron cultivation specialized training courses have been held in the village: on saffron planting workshop

Produced by: MoslemMalekhassani signature	Verifier: Dehyar Signature
--	-------------------------------

Note: This form must be approved by village Dehyar and has Dehyary stamp.



Network members demography form

F-ED03

Page of

Date:

City: Mahvelat

Village: Doogh Abad

Supervisor: Moslem Malekhassani

Supervisor
Code:

Date of Establishment: 17th Oct.
2014

Network head name (NDA):
Rajabi Gholamhossain

NDA cellphone: 09155310592
NDA phone: 567633363

The farmland parcel characteristics and surface areas under saffron cultivation by the saffron network members

The network member name:	Ownership status		Saffron farm area (square meter)	Production year	Member's phone number
	Owner	tenant			
Hassan Zal	*		10000	5	09159329708
Haj Mohammad Filehkesh	*		15000	5	09155324032
Haj Ghloamhossain Rajabi	*		30000	6	09155310592
Emad Filehkesh	*		15000	5	09153336023
Mohammad Hajgholi	*		10000	4	09153319238
Esmaeil Hallaj	*		10000	4	05156763333
Mohammad Reza Mesbah (Gholam)	*		10000	5	09153319299
Abas Kiani	*		10000	5	09159331896
Mohammad Sobhani	*		20000	5	09155322723
Mohsen Baloochi	*		10000	5	09159674533
Akbar Baigzadeh	*		7000	6	09159079496
Alireza Taheri	*		11000	6	09153335578
Mohammad Reza Mesbah (Mohammad Hossain)	*		15000	4	09159331938
Hassan Mirkhani	*		10000	6	09153334930

Signature of network chief

Signature of supervisor

In the name of God

Pledge of security and warranty

This warranty/guarantee contract is entered into between members of Islamic council of the **Doogh Abad** village and **Mr. Hassan Zal** (village Dehyar or agent) with national identification number of **6519922064** (hereinafter referred to as trustee), on one hand and the Office of saffron value chain development projects of the United Nations industrial development representing Mr. Reza Taziky (hereinafter called UNIDO Project Office) on the other hand, and agreed and signed. The provisions of this pledge of trust and guarantee is as follows:

1. A cabinet dryer with 5 kg of saffron drying capacity, with code number which is entitled to all property rights to UNIDO project office, has been delivered for a period of one year of anno hegira from the date of delivery of the device to borrowers for drying saffron produced by members of saffron production network in the **Doogh Abad** village to the trustee (the Trustee mentioned above).

2. The responsibility for maintenance and proper use is of the UNIDO saffron project's advisor **Mr. Moslem alekhassani** son of **Alimorad** with national identification number **6519938068**, and after him, is of Mr. **Gholam Hossein Rajabi** son of **Hassan** with national id of **6519764507** and also all the trustees (all of network members).

3. All the trustees and those responsible for maintenance of the apparatus should have paying attention to precise and proper use of the trusted apparatus and operate it in accordance with the instructions for use and maintenance of the device.

4. The device is covered by one year warranty and after sales services according to the vendor plights, and if you require any of these maintenance obligations, responsible person can contact the seller and manufacturer.

5. The dryer electricity bills are of the user responsibility; thus, the specified operator of the apparatus can accrued a certain amount from each one of members who use dryer for drying their own saffron based on a mutual agreement, this cost is an agreed amount for electricity costs (from network members) and should be determined with agreement of network members and Islamic council members in a written from.

6. If the device capacities have been used correctly and efficiently, and after the conformity with technical requirements evaluation by the UNIDO saffron Project Office; the Office (UNIDO saffron project office) have the right to surrender the ownership of lifetime and free usage of the device to the village and saffron production network.

7. The trustees would disclaims all their rights of losses or harms even outright, and never claim any rights to device ownership, goodwill and so on; and they have

disclaimer their own right to any complaints and subsequent protests and legal action in any forms after signing this recognizance.

8. The UNIDO project office is not in any way responsible for partial or complete losses of the quality and quantity of saffron that been dried by this device due to improper or any fault application of the device; and no costs or compensation shall be provided by UNIDO project's office (device owner) for partial or complete damages due to improper utilization of device.

9. The borrowers shall not have the right to move or transit the device to out of the village and they should hand over the device in safe and sound state to the UNIDO project office.

10. The network members who their names are attached here should have the priority in using device, and no cost must incur on them except for electricity, members shall not paying any charge for drying saffron.

Note 1. All the rights to partial or complete assignment of the device from the time of delivery until any time declared by UNIDO project as the owner of the device are totally incumbent to UNIDO Project Office, and trustees and beneficiaries of device have not any right to appeal or object to any of UNIDO Project Office (owner) decisions.

Note 2. Incurring any charges, fees or wages for drying to farmers whom aren't member of the network, provided that there is excess capacity of member farmers, shall be the decided by the project advisor and member of Islamic council of village.

This pledge of security (above mentioned) have been concluded in 10 paragraph and 2 provisions (notes), and approved by members of Islamic council of **Doogh Abadvillage**, head of UNIDO saffron project's network in this village, Mr.**Gholam Hossein Rajabi**, and UNIDO saffron project's advisor in village Mr. **Moslem Malekhassani**.

The list of network members is attached to this pledge letter.

Project advisor signature

Name: Mohsen Esmaeili
Date: 19th Oct 2014

Dehyar signature

Name: Ehsan Bazrafshan
Date: 19th Oct 2014

Head of Islamic council of
village signature

Name: Ali Sarkhosh
Date: 19th Oct 2014

City of Torbat Heydarieh – Village:Abrood

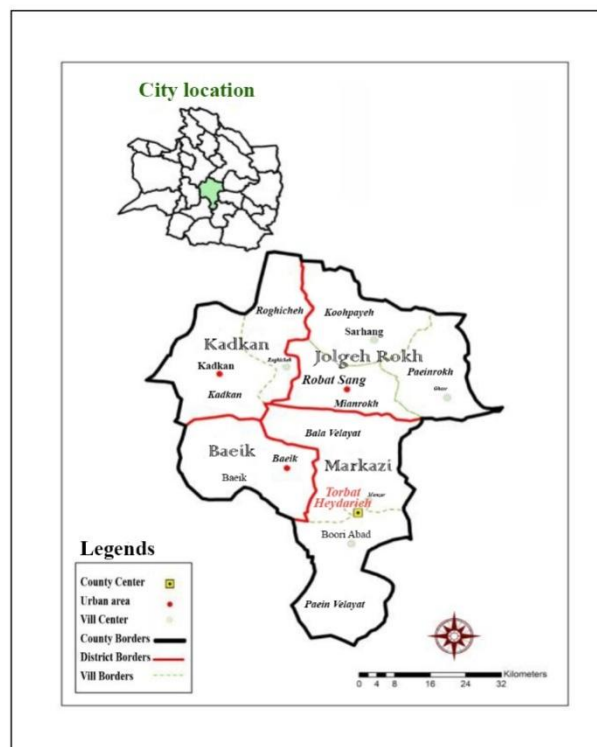
Torbat Heydarieh City

Torbat Heydarieh with 3672 square kilometer of surface area is of Khorasan Razavi province jurisdiction, which is located 152 km south to Mashhad city.

This city with 3672 km² surface area is 1333 meter over the sea level. During the recent decade, saffron is planted in the most of farms in this city, and saffron cultivation developed gradually and quickly, so that according to the agricultural Jihad organization of Khorasan Razavi province, 7550 acres of the city fields are under Saffron cultivation now, and produced 34730 kg of Saffron annually. The saffron production efficiency is about 4.6 kg per hectare, which is much more than average production of the province. The average field life of the Torbat Heydariehfarms is about 6 years, and more than 16100 farmers are active in saffron planting in this city.

There are over 16410 saffron fields in Torbat Heydarieh, in which, 75% of them are less than one acres in size.

The city of Torbat Heydarieh is account for one of the newfound saffron production hubs in the Khorasan Razavi province, and placed in second after Zaveh county based on the amount of harvested saffron. The main region of Saffron production in Torbat Heydarieh is Robot-sang and Abrood district that many villages in these districts are planting saffron.





City: TorbatHeydarieh Village:Abrood Supervisor: Ali Hosseini Supervisor Code:

Location of Village: Distance from city center:8 km

General characteristics of fields and under Saffron cultivation areas

total number of saffron farms in the village	total cultivated area (acres)	average cultivation life of all farms (years)	total number of saffron producer (person)	total population of the village (person)
480	250	7 and more	450	1850
number of farms under one hectare	number of farms between 1-2 hectare	number of farms over two hectare	average surface area of Saffron fields	average production per hectare (approximate)
445	30	5	4000	6-7 kg/ha

The condition of Saffron fields irrigation

Do the village have a deep well? Yes No The amount of watering 6 inches The number well's owners: 50 ind.

Does the village have a kanat? Yes No The amount of discharge: 15 L/s

Does the village have a river? Yes No Description: required water supplied from Kalsallar River (Kameh village)

Does required water be supplied from other areas? Yes No Region name: Avian village with Tanker The overall supply:

The number of farms or those who irrigate their farms with a tank: 200 No of perople and areas under irrigation with tanks:

Percentage of dryland saffron fields Percentage of irrigated saffron fields: 100%

Other explanations regarding to irrigation:*This village has semi deep wellsthat have been dried or have less than 1-2 inches out put*

Other agricultural products of village: wheat, beetroot, barley, melon	The approximate percentage of saffron field from total land area of the village:70% The approximate percentage of saffron farmers from total number of farmers in the village:70%
--	--

How many farmers used agriculture bank facilities for saffron farming in the village? 10%
Average amount of bank facilities? 50 000 000 million Rial

Number of saffron cultivation specialized training courses have been held in the village:

Produced by: Ali Hosseini signature	Verifier: Dehyar Signature
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Note: This form must be approved by village Dehyar and has Dehyary stamp.



Network members demography form

F-ED03

City: TorbatHeydariieh

Village: Abrood

Supervisor:Ali Hosseini

Supervisor
Code:

Date of Establishment:

Network head name (NDA):

NDA cellphone:

NDA phone:

The farmland parcel characteristics and surface areas under saffron cultivation by the saffron network members

The network member name:	Ownership status		Saffron farm area (square meter)	Production year	Member's phone number
	Owner	tenant			
Mohammad EbrahimJafari	*		30000	5-2-8	09158137204
NaserAliakbari	*		40000	5-8-	
AbasaliYazdan-Panah	*		150000	5-2-8	09306914761
GholamrezaLori	*		30000	5-3-7	
Ahmadreza Yazdan-Panah	*		40000	5-2-8	09158350528
MostafaGhorbani	*		10000	2-5-	09152493237
GholamrezaGhaeni	*		15000	2-8	09151301174
Moslem Mibali	*		30000	5-3-7	09151307803
MojtabaAliakbari	*		30000	2-7	09151306631
AtamohammadYazdan-Panah	*		30000	2-7	09151306631
Ahmad Mohamad-Beig		*	10000	3-5-8	09158335867
Mohammad EbrahimKamali	*		50000	3-5	52443312
ImanYusefi	*		10000	6-8	09105591980
AlirezaYazden-Panah	*		60000	5-2-8	09151330645
Ahmad Aliakbari	*		30000	3-6	09153318267
YahyaMiri	*		30000	3-4	09158335806
Ahmad Saber-Moghadam	*		40000	2-3	09151307662
AliakbarSaber-Moghadam	*		20000	4-3	09153328134
AsgharNajafi	*		20000	4-3	09159317694
MojtabaSaber-Moghadam	*		20000	3-4	09156209237
Hossain Babaei	*		50000	4-5-3	09156583323
Ahmad Babaei	*		100000	3-6	09155318499
Signature of network chief			Signature of supervisor		



In the name of God

Pledge of security and warranty

This warranty/guarantee contract is entered into between members of Islamic council of the village and (village Dehyar or agent) with national identification number of (hereinafter referred to as trustee), on one hand and the Office of saffron value chain development projects of the United Nations industrial development representing Mr. Reza Taziky (hereinafter called UNIDO Project Office) on the other hand, and agreed and signed. The provisions of this pledge of trust and guarantee are as follows:

1. A cabinet dryer with 5 kg of saffron drying capacity, with code number which is entitled to all property rights to UNIDO project office, has been delivered for a period of one year of anno hegira from the date of delivery of the device to borrowers for drying saffron produced by members of saffron production network in the **Abrood** village to the trustee (the Trustee mentioned above).

2. The responsibility for maintenance and proper use is of the UNIDO saffron project's advisor son of with national identification number , and after him, is of Mr. son of with national id of also all the trustees (all of network members).

3. All the trustees and those responsible for maintenance of the apparatus should have paying attention to precise and proper use of the trusted apparatus and operate it in accordance with the instructions for use and maintenance of the device.

4. The device is covered by one year warranty and after sales services according to the vendor plights, and if you require any of these maintenance obligations, responsible person can contact the seller and manufacturer.

5. The dryer electricity bills are of the user responsibility; thus, the specified operator of the apparatus can accrued a certain amount from each one of members who use dryer for drying their own saffron based on a mutual agreement, this cost is an agreed amount for electricity costs (from network members) and should be determined with agreement of network members and Islamic council members in a written from.

6. If the device capacities have been used correctly and efficiently, and after the conformity with technical requirements evaluation by the UNIDO saffron Project Office; the Office (UNIDO saffron project office) have the right to surrender the ownership of lifetime and free usage of the device to the village and saffron production network.

7. The trustees would disclaim all their rights of losses or harms even outright, and never claim any rights to device ownership, goodwill and so on; and they have disclaimed their own right to any complaints and subsequent protests and legal action in any forms after signing this recognition.

8. The UNIDO project office is not in any way responsible for partial or complete losses of the quality and quantity of saffron that been dried by this device due to improper or any fault application of the device; and no costs or compensation shall be provided by UNIDO project's office (device owner) for partial or complete damages due to improper utilization of device.

9. The borrowers shall not have the right to move or transit the device to out of the village and they should hand over the device in safe and sound state to the UNIDO project office.

10. The network members whose names are attached here should have the priority in using device, and no cost must incur on them except for electricity, members shall not paying any charge for drying saffron.

Note 1. All the rights to partial or complete assignment of the device from the time of delivery until any time declared by UNIDO project as the owner of the device are totally incumbent to UNIDO Project Office, and trustees and beneficiaries of device have not any right to appeal or object to any of UNIDO Project Office (owner) decisions.

Note 2. Incurring any charges, fees or wages for drying to farmers whom aren't member of the network, provided that there is excess capacity of member farmers, shall be decided by the project advisor and member of Islamic council of village.

This pledge of security (above mentioned) have been concluded in 10 paragraph and 2 provisions (notes), and approved by members of Islamic council of **Abroodvillage**, head of UNIDO saffron project's network in this village, **Mr. Ahmad Mohammad beig**, and UNIDO saffron project's advisor in village **Mr. Ali Hosseini**.

The list of network members is attached to this pledge letter.

Project advisor signature

Name: Mohsen Esmaeili

Date: 19th Oct 2014

Dehyar signature

Name: EhsanBazrafshan

Date: 19th Oct 2014

Head of Islamic council of village signature

Name: Ali Sarkhosh

Date: 19th Oct 2014

City of Khalilabad – Village:Mazdeh

Khalil Abad City

Khalil Abad county is of Khorasan Razavi province jurisdiction at northeast of Iran. Khalil Abad is center of this county, and Kondar is another city in this county. Based on 2007 census statistics, Khalil Abad has 45 thousand populations.

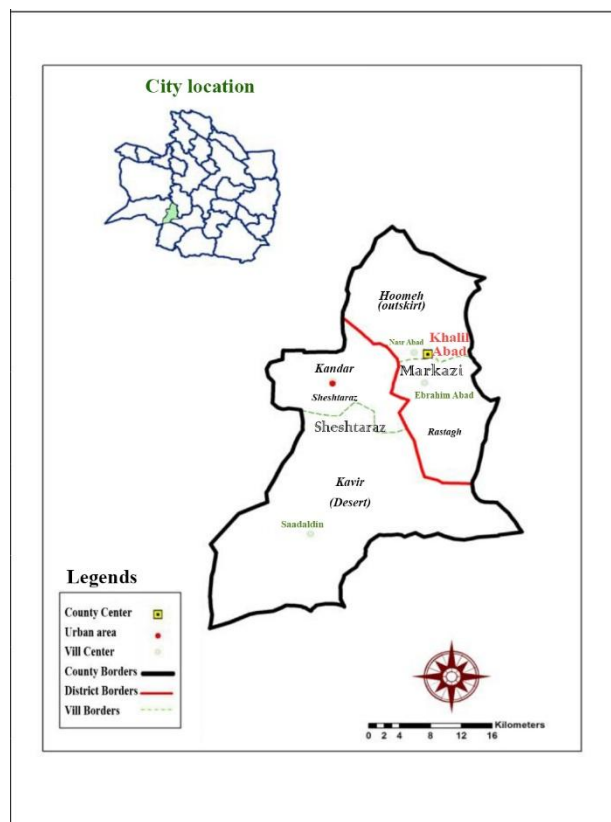
Khalil Abad is located between Kashmar and Bardskan city, about 20 km to Bardskan and 12 km to Kashmar. Khalil Abad distances about 240 km from Mashhad through Kashmar road.

According to the agricultural Jihad organization of Khorasan Razavi province, 4155 acres of the city fields are under Saffron cultivation now, and produced 12465 kg of Saffron annually. The saffron production efficiency is about 3 kg per hectare, which is lower than average production of the province. Therefore, it is necessary to increase promotional activities for boosting farmer's awareness and efficiency of their endeavors.

The average field life of the Khalil Abad farms is about 6 years and more than 6330 farmers are active in saffron planting in this city.

There are over 6330 saffron field in Khalil Abad indicating that all the farmers are planting saffron in this city, in which, 90% of them are less than one acres in size.

The city of Khalil Abad is account for one of the newfound saffron production hubs in the Khorasan Razavi province. The most important region of Saffron production in Khalil Abad is Mazdeh district.





City: Khalil Abad Village:Mazdeh Supervisor: Reza Abedini Supervisor Code:

Location of Village: northwest Khalil Abad Distance from city center:1 km

General characteristics of fields and under Saffron cultivation areas

total number of saffron farms in the village	total cultivated area (acres)	average cultivation life of all farms (years)	total number of saffron producer (person)	total population of the village (person)
600	300	6	550	2587
number of farms under one hectare	number of farms between 1-2 hectare	number of farms over two hectare	average surface area of Saffron fields	average production per hectare (approximate)
550	20	5	40	4 kg

The condition of Saffron fields irrigation

Do the village have a deep well? Yes No The amount of watering 6 inches The number well's owners: 2800ind.

Does the village have a kanat? Yes No The amount of discharge: 2 inches depending of rainfall

Does the village have a river? Yes No Description: the river water in winter is used for saffron planting season

Does required water be supplied from other areas? Yes No Region name: Avian village with Tanker The overall supply:

The number of farms or those who irrigate their farms with a tank: No of perople and areas under irrigation with tanks:

Percentage of dryland saffron fields Percentage of irrigated saffron fields: 100%

Other explanations regarding to irrigation:flooding irrigation

Other agricultural products of village:grapes, wheat, barley, hey	The approximate percentage of saffron field from total land area of the village:40% The approximate percentage of saffron farmers from total number of farmers in the village:70%
---	--

How many farmers used agriculture bank facilities for saffron farming in the village?

Average amount of bank facilities?

Number of saffron cultivation specialized training courses have been held in the village: on saffron planting workshop

Produced by:Reza Abedini
signature

Verifier:Dehyar:AhmadAmoozi (cellphone:
09153313770)

Signature

Note: This form must be approved by village Dehyar and has Dhyary stamp.



Network members demography form

F-ED03

City: Khalil Abad

Village: Mazdeh

Supervisor:Reza Abedini

Supervisor
Code:

Date of Establishment:12th Oct.
2014

Network head name (NDA):
Hassan Jalili

NDA cellphone:09151328849
NDA phone:05157722971

The farmland parcel characteristics and surface areas under saffron cultivation by the saffron network members

The network member name:	Ownership status		Saffron farm area (square meter)	Production year	Member's phone number
	Owner	tenant			
Ali Hasan-Zadeh	*		11250	5	09366427316
MortezaZafari	*		22500	7	09159328132
Hossain Sadeghi	*		14125	8	09151361538
GholamhossainPakdel	*		16875	3	09153313185
HabibllahKavoosi	*		16950	5	09151365723
Mohammad JavadJalili	*		40500	6	09151361626
MojtabaSalari	*		12430	2	09153313740
AbasPakdel	*		22500	3	09153211731
YaserSadeghi	*		16875	3	09156912355
Mohammad Yusefian	*		19125	4	09153314128
Mohammad Sadeghi	*		19125	9	09151361382
Hossain Abedini	*		10125	4	09153316731
Ali Pasandideh	*		10688	5	09153380129
AlirezaSadeghi	*		10000	9	09153314168
Hossain Bazrafshan	*		11250	4	09151361546
Hassan Jalili	*		16875	3	09151328849
Hossain Pasandideh	*		16000	5	09159670841
Ali AsgharKavoosi	*		22500	7	09153313611
Signature of network chief			Signature of supervisor		



In the name of God

Pledge of security and warranty

This warranty/guarantee contract is entered into between members of Islamic council of the **Mazdeh** village and **Mr. Ahmad Amoozi** (village Dehyar or agent) with national identification number of **0901718874** (hereinafter referred to as trustee), on one hand and the Office of saffron value chain development projects of the United Nations industrial development representing Mr. Reza Taziky (hereinafter called UNIDO Project Office) on the other hand, and agreed and signed. The provisions of this pledge of trust and guarantee are as follows:

1. A cabinet dryer with 5 kg of saffron drying capacity, with code number which is entitled to all property rights to UNIDO project office, has been delivered for a period of one year of anno hegira from the date of delivery of the device to borrowers for drying saffron produced by members of saffron production network in the **Mazdeh** village to the trustee (the Trustee mentioned above).

2. The responsibility for maintenance and proper use is of the UNIDO saffron project's advisor **Mr. Abedini** son of **Ebrahim** with national identification number **0901739235**, and after him, is of Mr. **Hassan Jalilison** of **Javad** with national id of **0901739197** and also all the trustees (all of network members).

3. All the trustees and those responsible for maintenance of the apparatus should have paying attention to precise and proper use of the trusted apparatus and operate it in accordance with the instructions for use and maintenance of the device.

4. The device is covered by one year warranty and after sales services according to the vendor plights, and if you require any of these maintenance obligations, responsible person can contact the seller and manufacturer.

5. The dryer electricity bills are of the user responsibility; thus, the specified operator of the apparatus can accrued a certain amount from each one of members who use dryer for drying their own saffron based on a mutual agreement, this cost is an agreed amount for electricity costs (from network members) and should be determined with agreement of network members and Islamic council members in a written from.

6. If the device capacities have been used correctly and efficiently, and after the conformity with technical requirements evaluation by the UNIDO saffron Project Office; the Office (UNIDO saffron project office) have the right to surrender the ownership of lifetime and free usage of the device to the village and saffron production network.

7. The trustees would disclaims all their rights of losses or harms even outright, and never claim any rights to device ownership, goodwill and so on; and they have

disclaimer their own right to any complaints and subsequent protests and legal action in any forms after signing this recognizance.

8. The UNIDO project office is not in any way responsible for partial or complete losses of the quality and quantity of saffron that been dried by this device due to improper or any fault application of the device; and no costs or compensation shall be provided by UNIDO project's office (device owner) for partial or complete damages due to improper utilization of device.

9. The borrowers shall not have the right to move or transit the device to out of the village and they should hand over the device in safe and sound state to the UNIDO project office.

10. The network members who their names are attached here should have the priority in using device, and no cost must incur on them except for electricity, members shall not paying any charge for drying saffron.

Note 1. All the rights to partial or complete assignment of the device from the time of delivery until any time declared by UNIDO project as the owner of the device are totally incumbent to UNIDO Project Office, and trustees and beneficiaries of device have not any right to appeal or object to any of UNIDO Project Office (owner) decisions.

Note 2. Incurring any charges, fees or wages for drying to farmers whom aren't member of the network, provided that there is excess capacity of member farmers, shall be the decided by the project advisor and member of Islamic council of village.

This pledge of security (above mentioned) have been concluded in 10 paragraph and 2 provisions (notes), and approved by members of Islamic council of **Mazdehvillage**, head of UNIDO saffron project's network in this village, Mr.**Hassan Jalili**, and UNIDO saffron project's advisor in village Mr. **Reza Abedini**.

The list of network members is attached to this pledge letter.

Project advisor signature

Name: Mohsen Esmaeili
Date: 19th Oct 2014

Dehyar signature

Name: EhsanBazrafshan
Date: 19th Oct 2014

Head of Islamic council of
village signature

Name: Ali Sarkhosh
Date: 19th Oct 2014

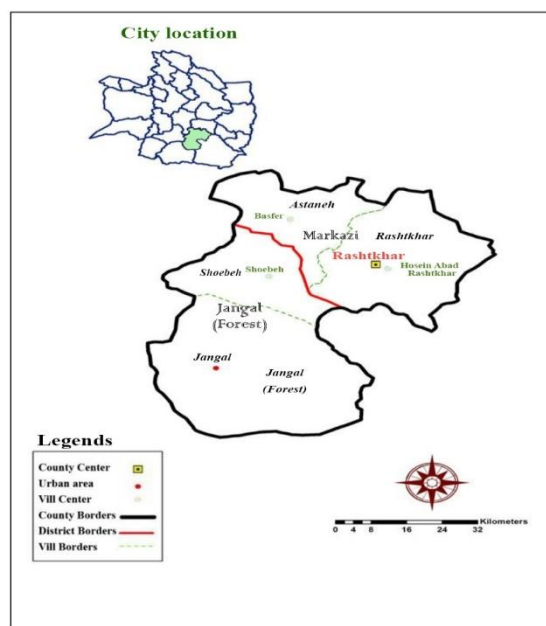
City of Rashtkhar – Village:BrakooH

Rashtkhar City

Rashtkhar County has 4360 square kilometer surface area with center city with same name and two district of Markazi and Jangal. It is surrounded by Torbathaydariéh from north and northeast and north west, Gonabad from south and Khaf from east and south east. This city is located at 1140 meter above sea level. Rashtkhar have 2172 acres forests and 5 acres of green land.

Animal husbandry, breeding bees (apiculture) and silk worms (sericulture) are common in this county; and they could produce various kind of agriculture products through drilling more than 100 deep and semi-deep wells in the region. This county has arid climate and desert plains and it is distances about 200 km from the center of Khorasan Razavi province. According to the agricultural Jihad organization of Khorasan Razavi province, 5800 acres of the city fields are under Saffron cultivation now, and produced 16500 kg of Saffron annually. The saffron production efficiency is about 3.5 kg per hectare, which is lower than average production of the province. Therefore, it is necessary to increase promotional activities for boosting farmer's awareness and efficiency of their endeavors.

The average field life of the Rashtkhar farms is about 5 years, and more than 7500 farmers are active in saffron planting in this city. There are over 5800 saffron field in Rashtkhar, in which, 59% of them are less than one acre in size. The city of Rashtkhar is account for one of the main saffron production hubs in the Khorasan Razavi province. The most important region of Saffron production in Rashtkhar are BrakooH and Fath Abad districts that many villages are busy planting saffron. Due to the wide surface area of this county and reduction of harvest rate based on the area under cultivation, the need for two advisors was felt; therefore, UNIDO was trained and sent two advisor to this region.





City: Rashtkhar Village:Fath Abad Supervisor: Pardel Supervisor Code:

Location of Village: Distance from city center:8 km

General characteristics of fields and under Saffron cultivation areas

total number of saffron farms in the village	total cultivated area (acres)	average cultivation life of all farms (years)	total number of saffron producer (person)	total population of the village (person)
270	540	5	300	
number of farms under one hectare	number of farms between 1-2 hectare	number of farms over two hectare	average surface area of Saffron fields	average production per hectare (approximate)
170	80	20	0.5	8

The condition of Saffron fields irrigation

Do the village have a deep well? Yes No The amount of watering 6 inches The number well's owners: 20ind.

Does the village have a kanat? Yes No The amount of discharge: 4 inches

Does the village have a river? Yes No Description: it's seasonal

Does required water be supplied from other areas? Yes No Region name: Avian village with Tanker The overall supply:

The number of farms or those who irrigate their farms with a tank: 20 No of people and areas under irrigation with tanks: 40 acres

Percentage of dryland saffron fields Percentage of irrigated saffron fields: 100%

Other explanations regarding to irrigation:mostly flooding irrigation

Other agricultural products of village:onion, wheat, barley

The approximate percentage of saffron field from total land area of the village:70%
The approximate percentage of saffron farmers from total number of farmers in the village:80%

How many farmers used agriculture bank facilities for saffron farming in the village? 10%

Average amount of bank facilities? 10 000 000

Number of saffron cultivation specialized training courses have been held in the village: on saffron planting workshop

Produced by:Pardel

signature

Verifier:Dehyar:AhmadAmoozi (cellphone: 09153313770)

Signature

Note: This form must be approved by village Dehyar and has Dehyary stamp.

City: Rashtkharand khaf Village: Sijavand

Supervisor: Pardel

Supervisor
Code:

Date of Establishment: 14th Oct.
2014

Network head name (NDA):
AsgharSookhteh

NDA cellphone: 09159321400
NDA phone:

The farmland parcel characteristics and surface areas under saffron cultivation by the saffron network members

The network member name:	Ownership status		Saffron farm area (square meter)	Production year	Member's phone number
	Owner	tenant			
AsgharSookhteh (Esmaeil)	*		70000	6	09159321400
Akbar Sookhteh (Esmaeil)	*		70000	5	
Amir Sookhteh (Akbar)	*		70000	5	
Ali Sookhteh (Esmaeil)	*		50000	7	09157015373
Hossain Sookhteh (Akbar)	*		70000	7	
Hassan Sookhteh (Akbar)	*		50000	6	
Mohsen Sookhteh (Akbar)	*		50000	5	
Reza Sookhteh (Esmaeil)	*		70000	6	
MahmoodSookhteh (Esmaeil)	*		70000	6	
EbrahimSookhteh (Esmaeil)	*		50000	6	
Rahman Sookhteh (Esmaeil)	*		70000	6	05154433328
Reza Sookhteh (Golmohammad)	*		70000	6	09153324059
Hossain Sookhteh (Golmohammad)	*		70000	6	
Hassan Sookhteh (Golmohammad)	*		60000	6	
Ali Sookhteh (Golmohammad)	*		60000	6	09153325717
MahmoodSookhteh (Golmohammad)	*		60000	6	

Signature of network head: AsgharSookhteh

Signature of supervisor: AhmadrezaPardel



In the name of God

Pledge of security and warranty

This warranty/guarantee contract is entered into between members of Islamic council of the **Mehdi Abad** village and **Mr. Mehdi Shirzad** (village Dehyar or agent) with national identification number of **6509235099** (hereinafter referred to as trustee), on one hand and the Office of saffron value chain development projects of the United Nations industrial development representing Mr. Reza Taziky (hereinafter called UNIDO Project Office) on the other hand, and agreed and signed. The provisions of this pledge of trust and guarantee are as follows:

1. A cabinet dryer with 5 kg of saffron drying capacity, with code number which is entitled to all property rights to UNIDO project office, has been delivered for a period of one year of anno hegira from the date of delivery of the device to borrowers for drying saffron produced by members of saffron production network in the **Mehdi Abad** village to the trustee (the Trustee mentioned above).

2. The responsibility for maintenance and proper use is of the UNIDO saffron project's advisor **Mr. Ahmad Reza Pardel** son of **Ali** with national identification number **6509835762**, and after him, is of Mr. **AsgharSookhtehson** of **Esmaeil** with national id of and also all the trustees (all of network members).

3. All the trustees and those responsible for maintenance of the apparatus should have paying attention to precise and proper use of the trusted apparatus and operate it in accordance with the instructions for use and maintenance of the device.

4. The device is covered by one year warranty and after sales services according to the vendor plights, and if you require any of this maintenance obligations, responsible person can contact the seller and manufacturer.

5. The dryer electricity bills are of the user responsibility; thus, the specified operator of the apparatus can accrued a certain amount from each one of members who use dryer for drying their own saffron based on a mutual agreement, this cost is an agreed amount for electricity costs (from network members) and should be determined with agreement of network members and Islamic council members in a written from.

6. If the device capacities have been used correctly and efficiently, and after the conformity with technical requirements evaluation by the UNIDO saffron Project Office; the Office (UNIDO saffron project office) have the right to surrender the ownership of lifetime and free usage of the device to the village and saffron production network.

7. The trustees would disclaims all their rights of losses or harms even outright, and never claim any rights to device ownership, goodwill and so on; and they have

disclaimer their own right to any complaints and subsequent protests and legal action in any forms after signing this recognizance.

8. The UNIDO project office is not in any way responsible for partial or complete losses of the quality and quantity of saffron that been dried by this device due to improper or any fault application of the device; and no costs or compensation shall be provided by UNIDO project's office (device owner) for partial or complete damages due to improper utilization of device.

9. The borrowers shall not have the right to move or transit the device to out of the village and they should hand over the device in safe and sound state to the UNIDO project office.

10. The network members who their names are attached here should have the priority in using device, and no cost must incur on them except for electricity, members shall not paying any charge for drying saffron.

Note 1. All the rights to partial or complete assignment of the device from the time of delivery until any time declared by UNIDO project as the owner of the device are totally incumbent to UNIDO Project Office, and trustees and beneficiaries of device have not any right to appeal or object to any of UNIDO Project Office (owner) decisions.

Note 2. Incurring any charges, fees or wages for drying to farmers whom aren't member of the network, provided that there is excess capacity of member farmers, shall be the decided by the project advisor and member of Islamic council of village.

This pledge of security (above mentioned) have been concluded in 10 paragraph and 2 provisions (notes), and approved by members of Islamic council of **Mehdi Abad**village, head of UNIDO saffron project's network in this village, **Mr. AsgharSookhteh**, and UNIDO saffron project's advisor in village Mr. **Ahmad RezaPardel**.

The list of network members is attached to this pledge letter.

Project advisor signature

Name: Mohsen Esmaeili
Date: 19th Oct 2014

Dehyar signature

Name: EhsanBazrafshan
Date: 19th Oct 2014

Head of Islamic council of
village signature

Name: Ali Sarkhosh
Date: 19th Oct 2014

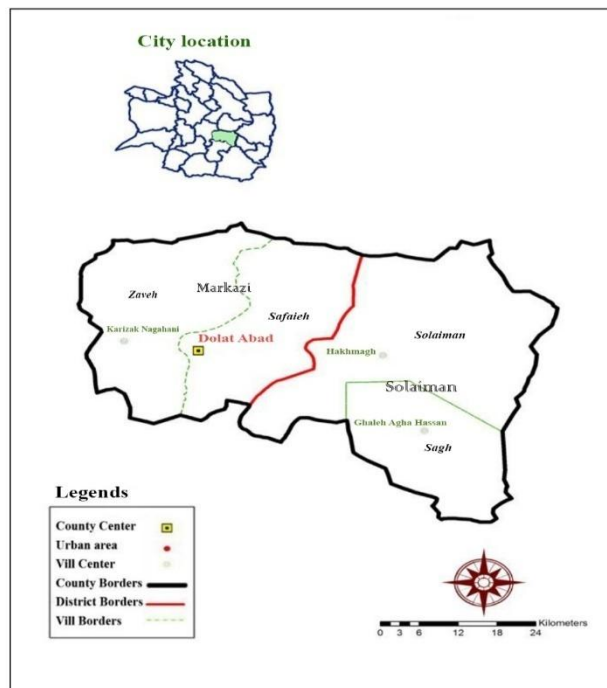
City of Zaveh – Village:Shahan Abad

Zaveh City

It was a district in Torbat haydariieh jurisdiction until 2009, and then converts to a city with Dolat Abad as center city.

Zaveh surrounded by Fariman and Torbat Jam from north, Torbat Haydariieh from west, Rashtkhar and Khaf from south, and Taybad and Torbat Jam from east. This county consists of 2437 square meter and population of 67000 people. This county composed of two districts named Markazi and Solimanieh. Dolat Abad is Zaveh center city in the Khorasan Razavi province. Dolat Abad city has population of 9064 people based on 2007 census statistics. During the recent decade, saffron is planted in the most of farms in this city, and saffron cultivation developed gradually and quickly, so that according to the agricultural Jihad organization of Khorasan Razavi province, 9975acres of the city fields are under Saffron cultivation now, and produced 39900 kg of Saffron annually. The saffron production efficiency is about 4 kg per hectare, which is more than average production of the province. The average field life of the Torbat Haydariieh farms is about 5 years, and more than 15575 farmers are active in saffron planting in this city.

There are over 15574 saffron fields in Torbat Haydariieh, in which, 58% of them are less than one acres in size. The city of Zavehis account for one of the main saffron production hubs in the Khorasan Razavi province and have highest yield. The most important region of Saffron production in Zaveh County is Shahan Abad and Safi Abad districts that many villages are busy planting saffron. Therefore, these two districts have two UNIDO advisors.





City: Zaveh

Village: Shahan Abad

Supervisor: Reza Zare

Supervisor Code:

Location of Village: 8 km to Dolat Abad (County center) and 5 km west to KarizakNagahanivillage

Distance from city center:8 km

General characteristics of fields and under Saffron cultivation areas

total number of saffron farms in the village	total cultivated area (acres)	average cultivation life of all farms (years)	total number of saffron producer (person)	total population of the village (person)
2280	700	5	500	2280
number of farms under one hectare	number of farms between 1-2 hectare	number of farms over two hectare	average surface area of Saffron fields	average production per hectare (approximate)
600	250	50	7800	5

The condition of Saffron fields irrigation

Do the village have a deep well?

Yes No

The amount of watering8 inches

The number well's owners: 300ind.

Does the village have a kanat?

Yes No

The amount of discharge: 4 inches

Does the village have a river?

Yes No

Description:

Does required water be supplied from other areas?

Yes No

Region name: Avian village with Tanker

The overall supply:

The number of farms or those who irrigate their farms with a tank: 0 No of people and areas under irrigation with tanks:0 acres

Percentage of dryland saffron fields: there aren't any dryland

Percentage of irrigated saffron fields: 100%

Other explanations regarding to irrigation:

Other agricultural products of village: wheat, barley, beetroot, hey, seed watermelon, and orchards

The approximate percentage of saffron field from total land area of the village:75%
The approximate percentage of saffron farmers from total number of farmers in the village:100% (all have saffron fields)

How many farmers used agriculture bank facilities for saffron farming in the village?5%

Average amount of bank facilities?20 000 000Rial

Number of saffron cultivation specialized training courses have been held in the village: no specialized workshop

Produced by:Reza Zare
signature

Verifier:Dehyar
Signature

Note: This form must be approved by village Dehyar and has Dehyary stamp.



Network members demography form

F-ED03

City: Zaveh

Village: Shahan Abad

Supervisor:Reza Zare

Supervisor
Code:

Date of Establishment:17th Oct.
2014

Network head name (NDA):
Beman Ali Zare

NDA cellphone:09155314812
NDA phone:05133853612

The farmland parcel characteristics and surface areas under saffron cultivation by the saffron network members

The network member name:	Ownership status		Saffron farm area (square meter)	Production year	Member's phone number
	Owner	tenant			
Beman Ali Zare	*		30000	2-6	09155314812
Reza Zare	*		26500	2-7	09151332143
Aliakbar Yousef-Zadeh	*		19000	4-5	09153314556
Ayubkhodashenas	*		20000	2-5	05133853386
Khalil amadeh	*		50000	1-7	09155319337
Mansoorfarshi	*		50000	1-6	09151331571
Solimankhodashenas	*		15500	4-6	09154416546
Gholamrezabehneh	*		30000	3-7	09157078708
Aliakbarmoeinihossain-poor	*		30000	2-7	09151300694
Davoodzare	*		30000	2-5	09158328354
Davoodhaghighat		*	11000	3-7	09334222926
Eshaghbarzegar	*		50000	1-7	09155322562
Mahmoud zare	*		20000	1-4	09159264916
Aboalfazlzare	*		18000	1-4	09395492634
Hadimoeinihossain-poor	*		15000	2-6	09158329324
Reza Amedeh	*		31000	2-9	09154195513

Signature of network head: AsgharSookhteh

Signature of supervisor: AhmadrezaPardel



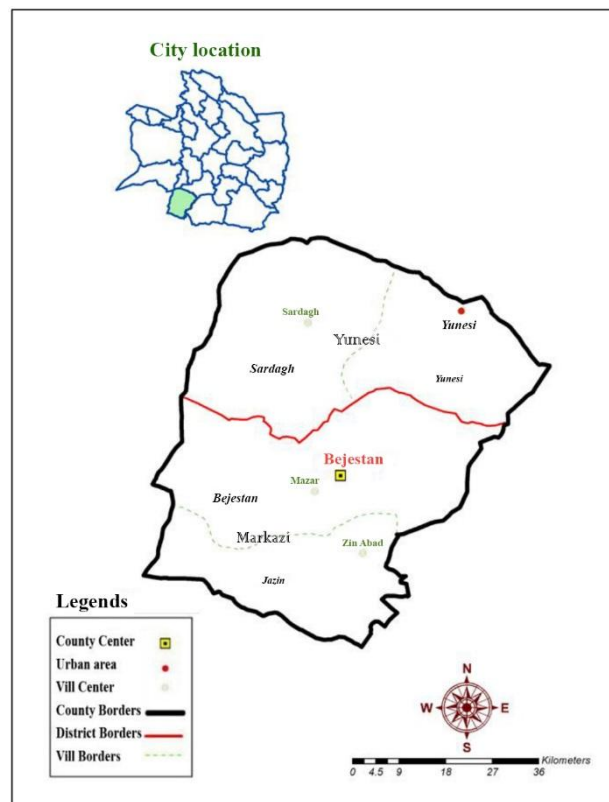
City of Bejestan – Village:Fakhr Abad


Bejestan City

This county has over 4300 square kilometer surface area, which is one third of Gonabad with 9715 square kilometer. Bejestan city is the center city of this county with population of 11133 people based on 2013 census. It is located 1250 meter above the sea level (highest area 1320 meter and lowest area 700 meter). Bejestan County surrounded by Khalil Abad and Mahvelat from north, Beshroeieh from west, Gonabad from east and Ferdos from south side. Bejestancity is located at north latitude of 34°, 15' to 34°, 5' and east latitude of 57°, 34' to 58°, 34'. According to the agricultural Jihad organization of Khorasan Razavi province, 2185acres of the city fields are under Saffron cultivation now, and produced 6366 kg of Saffron annually. The saffron production efficiency is about 3 kg per hectare, which is lower than average production of the province and requires promotional operation in order to increase efficiency of saffron farms.

The average field life of the Bejestan farms is about 7 years which is very high and can be account as reason for low efficiency of this city. More than 2185 farmers are active in saffron planting in this city indicating good acceptance of saffron planting.

Although other corps are vastly produced in this city. Over 99 percent of all farms have surface area lower than one acre. The saffron fields are managed as minor ownerships and seldom use machinery in their farming process. The city of Bejestan is account for one of the newfound saffron production hubs in the Khorasan Razavi province. One of the most important regions of Saffron production in this city is Fakhr Abad district.



 United Nation Industrial Development Organization Saffron Project		Village comprehensive report form F-ED03		Date:
City: Bejestan	Village: Fakhr Abad	Supervisor: Behrooz Miri	Supervisor Code:	
Location of Village: northwest of Bejestan County		Distance from city center: 45 km		
General characteristics of fields and under Saffron cultivation areas				
total number of saffron farms in the village	total cultivated area (acres)	average cultivation life of all farms (years)	total number of saffron producer (person)	total population of the village (person)
950	190	6	680	1863
number of farms under one hectare	number of farms between 1-2 hectare	number of farms over two hectare	average surface area of Saffron fields	average production per hectare (approximate)
950	-	-	0.2 ha	3.5 kg
The condition of Saffron fields irrigation				
Do the village have a deep well?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	The amount of watering: 535 inches	The number well's owners: 810 ind.	
Does the village have a kanat?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	The amount of discharge		
Does the village have a river?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Description: they only have water in spring season		
Does required water be supplied from other areas?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Region name:	The overall supply:	
The number of farms or those who irrigate their farms with a tank: No of people and areas under irrigation with tanks:				
Percentage of dryland saffron fields		Percentage of irrigated saffron fields: 100%		
Other explanations regarding to irrigation:				
Other agricultural products of village: Pistachio, pomegranate, barley, wheat, cotton, sunflower, sesame, sorghum		The approximate percentage of saffron field from total land area of the village: 35%		
		The approximate percentage of saffron farmers from total number of farmers in the village: 85%		
How many farmers used agriculture bank facilities for saffron farming in the village? 10%				
Average amount of bank facilities? 15 000 000 Rial				
Number of saffron cultivation specialized training courses have been held in the village: on course				
Produced by: signature		Verifier: Dehyar: Signature		
Note: This form must be approved by village Dehyar and has Dehyary stamp.				



United Nation Industrial Development Organization
Saffron Project

Network members demography form

Page of

F-ED03

Date:

City: Bejestan

Village: Fakhr Abad

Supervisor: Behrooz Miri

Supervisor
Code:

Date of Establishment: 23th Oct. 2014

Network head name (NDA):
Mohammad Reza Jameati

NDA cellphone: 09155335316
NDA phone: 05156573464

The farmland parcel characteristics and surface areas under saffron cultivation by the saffron network members

The network member name:	Ownership status		Saffron farm area (square meter)	Production year	Member's phone number
	Owner	tenant			
Mohammad Reza Noruzi	*		10000	5	09156128037
AbasHeraghi	*		3000	4	09159345593
AboozarSajadi	*		8000	5	09155220717
SadeghShariati	*		10000	5	09154057147
Mohammad Reza Jameati	*		7000	6	09155535316
Ali Akbar Rahmati	*		70000	6	09155130292
AbasShafieiFakhr Abad	*		15000	7	09105130291
MohamadGhasemi	*		4000	4	09156257981
Mehdi Noruzi	*		5000	3	09159360308
AbasShafieiFakhr Abad	*		4000	4	09159040293
Akbar Akhoondi	*		15000	7	09153752374
Mahmud Bageri	*		7000	7	09152479023
Jalal-Aldine Naghdi	*		5000	4	09155338341
Reza Rezaei	*		15000	7	05156523495
Ali Akhoondi	*		10000	4	09157270248
AlirezaMiri	*		7000	4	091593455119
Hassan Mirzaei	*		7000	4	09153340080
GholamrezaBarzegar	*		10000	6	09158947922
Ahmad Rafiei	*		3000	3	09159347672
GhodratNoruzi	*		15000	6	05156573419
EbrahimKarimi	*		9000	5	09159347672
GholamrezaSepahi	*		10000	6	09153758601
Habib Lotfi	*		10000	7	09159363855

Signature of network chief

Signature of supervisor

In the name of God

Pledge of security and warranty

This warranty/guarantee contract is entered into between members of Islamic council of the **Fakhr Abad** village and Mr.**Mohammad Reza Jameiati**(village Dehyar or agent) with national identification number of **5629658761** (hereinafter referred to as trustee), on one hand and the Office of saffron value chain development projects of the United Nations industrial development representing Mr. Reza Taziky (hereinafter called UNIDO Project Office) on the other hand, and agreed and signed. The provisions of this pledge of trust and guarantee is as follows:

1. A cabinet dryer with 5 kg of saffron drying capacity, with code number which is entitled to all property rights to UNIDO project office, has been delivered for a period of one year of anno hegira from the date of delivery of the device to borrowers for drying saffron produced by members of saffron production network in the **Fakhr Abad** village to the trustee (the Trustee mentioned above).
2. The responsibility for maintenance and proper use is of the UNIDO saffron project's advisor Mr.**BehroozMiri** son of **Abas** with national identification number **5629658905**, and after him, is of Mr. **Mohammad Reza Jameiatison** of **Reza** with national id of **5629658761**and also all the trustees (all of network members).
3. All the trustees and those responsible for maintenance of the apparatus should have paying attention to precise and proper use of the trusted apparatus and operate it in accordance with the instructions for use and maintenance of the device.
4. The device is covered by one year warranty and after sales services according to the vendor plights, and if you require any of this maintenance obligations, responsible person can contact the seller and manufacturer.
5. The dryer electricity bills are of the user responsibility; thus, the specified operator of the apparatus can accrued a certain amount from each one of members who use dryer for drying their own saffron based on a mutual agreement, this cost is an agreed amount for electricity costs (from network members) and should be determined with agreement of network members and Islamic council members in a written from.
6. If the device capacities have been used correctly and efficiently, and after the conformity with technical requirements evaluation by the UNIDO saffron Project Office; the Office (UNIDO saffron project office) have the right to surrender the ownership of lifetime and free usage of the device to the village and saffron production network.
7. The trustees would disclaims all their rights of losses or harms even outright, and never claim any rights to device ownership, goodwill and so on; and they have

disclaimer their own right to any complaints and subsequent protests and legal action in any forms after signing this recognizance.

8. The UNIDO project office is not in any way responsible for partial or complete losses of the quality and quantity of saffron that been dried by this device due to improper or any fault application of the device; and no costs or compensation shall be provided by UNIDO project's office (device owner) for partial or complete damages due to improper utilization of device.

9. The borrowers shall not have the right to move or transit the device to out of the village and they should hand over the device in safe and sound state to the UNIDO project office.

10. The network members who their names are attached here should have the priority in using device, and no cost must incur on them except for electricity, members shall not paying any charge for drying saffron.

Note 1. All the rights to partial or complete assignment of the device from the time of delivery until any time declared by UNIDO project as the owner of the device are totally incumbent to UNIDO Project Office, and trustees and beneficiaries of device have not any right to appeal or object to any of UNIDO Project Office (owner) decisions.

Note 2. Incurring any charges, fees or wages for drying to farmers whom aren't member of the network, provided that there is excess capacity of member farmers, shall be the decided by the project advisor and member of Islamic council of village.

This pledge of security (above mentioned) have been concluded in 10 paragraph and 2 provisions (notes), and approved by members of Islamic council of **Fakhr Abad**, head of UNIDO saffron project's network in this village, Mr.**Mohammad Reza Jameiati**, UNIDO saffron project's advisor in village Mr. **Behrooz Miri**.

The list of network members is attached to this pledge letter.

Project advisor signature

Name: BehroozMiri
Date: 19th Oct 2014

Dehyar signature

Name: EhsanBazrafshan
Date: 19th Oct 2014

Head of Islamic council of
village signature

Name: Ali Sarkhosh
Date: 19th Oct 2014

City of Zirkooh – Village:Asfad

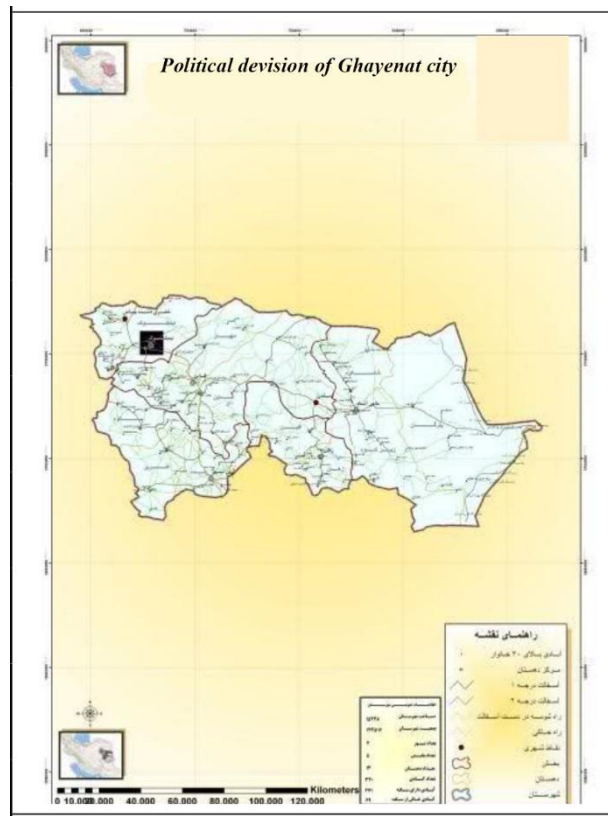
Ghayenat City

Ghayenat County is located in the northern part of Khorasan Jonubi (south) province. It is surrounded from north by Khoaf and Gonabad of Khorasan Razavi, Srayan City from west, Birjand from south, and also 130 km common border with Afghanistan from east.

This county has over 17722 square kilometer surface area. Ghayenat County composed of 5 district and 13 town, 373 village and 1293 deserted villages according to latest country divisions planning act. According to the agricultural Jihad organization of Khorasan Razavi province, 6750acres of the city fields are under Saffron cultivation now, and produced23625kg of Saffron annually. The saffron production efficiency is about 3.5 kg per hectare, which is equal to average production of the province; however, because Ghayenat is one of the main saffron hubs of province, and its production is very valuable; application of modern procedure can lead to improvement of efficiency of work and overall increase in saffron harvesting in the province.

The average field life of the Ghayenat farms is about 6 years which is very high and can be account as reason for low efficiency of this city.

More than 15480 farmers are active in saffron planting in this city indicating good acceptance of saffron planting. There are 14260 saffron farms in the Ghayenat, therefore, it could be said that over 92% of farmers are busy planting saffron. Over 76 percent of all farms have surface area lower than one acre. The city of Ghayenat is account for one of the saffron production hubs in the Khorasan Razavi province. One of the most important regions of Saffron production in this city are Zirkooh and Asfad districts.





United Nation Industrial Development Organization
Saffron Project

Village comprehensive report form

F-ED03

Date:

City: Zirkooh

Village:Asfad

Supervisor: Mehdi Abdi

Supervisor Code:

Location of Village: south Khorasan, Zirkooh county, 3 km to Abiz dis.

Distance from city center:10 km

General characteristics of fields and under Saffron cultivation areas

total number of saffron farms in the village	total cultivated area (acres)	average cultivation life of all farms (years)	total number of saffron producer (person)	total population of the village (person)
600	40	7	300	700
number of farms under one hectare	number of farms between 1-2 hectare	number of farms over two hectare	average surface area of Saffron fields	average production per hectare (approximate)
590	10	-	2000	4 kg/ha

The condition of Saffron fields irrigation

Do the village have a deep well? Yes No The amount of watering: 6 inches The number well's owners: 20ind.

Does the village have a kanat? Yes No The amount of discharge: 17 L/s

Does the village have a river? Yes No Description: they only have water in spring season

Does required water be supplied from other areas? Yes No Region name: The overall supply:

The number of farms or those who irrigate their farms with a tank: No of people and areas under irrigation with tanks:

Percentage of dryland saffron fields Percentage of irrigated saffron fields: 100%

Other explanations regarding to irrigation: this village have 2 deep wall and one kanat

Other agricultural products of village:Jujube, pomegranate, apricot, peach, watermelon, beetroot, wheat, barley, millet	The approximate percentage of saffron field from total land area of the village:35% The approximate percentage of saffron farmers from total number of farmers in the village:85%
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How many farmers used agriculture bank facilities for saffron farming in the village?
Average amount of bank facilities?

Number of saffron cultivation specialized training courses have been held in the village: on course

Produced by:Mehdi Abdi signature	Verifier:Dehyar: Signature
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Note: This form must be approved by village Dehyar and has D3hyary stamp.

In the name of God

Pledge of security and warranty

This warranty/guarantee contract is entered into between members of Islamic council of the **Afsad** village and Mr.**Mahdi Nazarjani**(village Dehyar or agent) with national identification number of **6529936051** (hereinafter referred to as trustee), on one hand and the Office of saffron value chain development projects of the United Nations industrial development representing Mr. Reza Taziky (hereinafter called UNIDO Project Office) on the other hand, and agreed and signed. The provisions of this pledge of trust and guarantee is as follows:

1. A cabinet dryer with 5 kg of saffron drying capacity, with code number which is entitled to all property rights to UNIDO project office, has been delivered for a period of one year of anno hegira from the date of delivery of the device to borrowers for drying saffron produced by members of saffron production network in the **Afsad** village to the trustee (the Trustee mentioned above).
2. The responsibility for maintenance and proper use is of the UNIDO saffron project's advisor Mr.**Mehdi Abdi** son of **Gholamhaydar** with national identification number **0880001577**, and after him, is of Mr. **Mahdi Nazarjan**son of **Gholamhossein** with national id of **6529936051**and also all the trustees (all of network members).
3. All the trustees and those responsible for maintenance of the apparatus should have paying attention to precise and proper use of the trusted apparatus and operate it in accordance with the instructions for use and maintenance of the device.
4. The device is covered by one year warranty and after sales services according to the vendor plights, and if you require any of this maintenance obligations, responsible person can contact the seller and manufacturer.
5. The dryer electricity bills are of the user responsibility; thus, the specified operator of the apparatus can accrued a certain amount from each one of members who use dryer for drying their own saffron based on a mutual agreement, this cost is an agreed amount for electricity costs (from network members) and should be determined with agreement of network members and Islamic council members in a written from.
6. If the device capacities have been used correctly and efficiently, and after the conformity with technical requirements evaluation by the UNIDO saffron Project Office; the Office (UNIDO saffron project office) have the right to surrender the ownership of lifetime and free usage of the device to the village and saffron production network.

7. The trustees would disclaim all their rights of losses or harms even outright, and never claim any rights to device ownership, goodwill and so on; and they have disclaimed their own right to any complaints and subsequent protests and legal action in any forms after signing this recognition.

8. The UNIDO project office is not in any way responsible for partial or complete losses of the quality and quantity of saffron that been dried by this device due to improper or any fault application of the device; and no costs or compensation shall be provided by UNIDO project's office (device owner) for partial or complete damages due to improper utilization of device.

9. The borrowers shall not have the right to move or transit the device to out of the village and they should hand over the device in safe and sound state to the UNIDO project office.

10. The network members who their names are attached here should have the priority in using device, and no cost must incur on them except for electricity, members shall not paying any charge for drying saffron.

Note 1. All the rights to partial or complete assignment of the device from the time of delivery until any time declared by UNIDO project as the owner of the device are totally incumbent to UNIDO Project Office, and trustees and beneficiaries of device have not any right to appeal or object to any of UNIDO Project Office (owner) decisions.

Note 2. Incurring any charges, fees or wages for drying to farmers whom aren't member of the network, provided that there is excess capacity of member farmers, shall be the decided by the project advisor and member of Islamic council of village.

This pledge of security (above mentioned) have been concluded in 10 paragraph and 2 provisions (notes), and approved by members of Islamic council of **Afsad**, head of UNIDO saffron project's network in this village, Mr.**Mehdi Nazarjani**, UNIDO saffron project's advisor in village Mr. **Mehdi Abdi**.

The list of network members is attached to this pledge letter.

Project advisor signature

Name: Mehdi Abdi

Date: 19th Oct 2014

Dehyar signature

Name: Mehdi Nazarjani

Date: 19th Oct 2014

Head of Islamic council of village signature

Name: GholamAli Moosaei

Date: 19th Oct 2014

City of Zirkooh – Village:Haji Abad

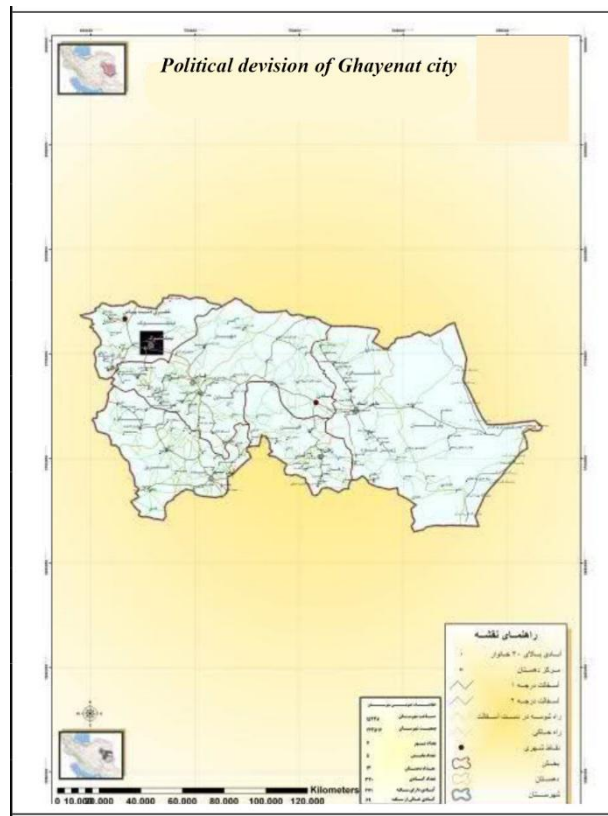
Ghayenat City

Ghayenat County is located in the northern part of Khorasan Jonubi (south) province. It is surrounded from north by Khoaf and Gonabad of Khorasan Razavi, Srayan City from west, Birjand from south, and also 130 km common border with Afghanistan from east.

This county has over 17722 square kilometer surface area. Ghayenat County composed of 5 district and 13 town, 373 village and 1293 deserted villages according to latest country divisions planning act. According to the agricultural Jihad organization of Khorasan Razavi province, 6750 acres of the city fields are under Saffron cultivation now, and produced 23625 kg of Saffron annually. The saffron production efficiency is about 3.5 kg per hectare, which is equal to average production of the province; however, because Ghayenat is one of the main saffron hubs of province, and its production is very valuable; application of modern procedure can lead to improvement of efficiency of work and overall increase in saffron harvesting in the province.

The average field life of the Ghayenat farms is about 6 years which is very high and can be account as reason for low efficiency of this city.

More than 15480 farmers are active in saffron planting in this city indicating good acceptance of saffron planting. There are 14260 saffron farms in the Ghayenat, therefore, it could be said that over 92% of farmers are busy planting saffron. Over 76 percent of all farms have surface area lower than one acre. The city of Ghayenat is account for one of the saffron production hubs in the Khorasan Razavi province. One of the most important regions of Saffron production in this city are Zirkooh and Asfad districts.





City: Ghayenat-Ghayen

Village:Noghab Haji
Abad

Supervisor: HosseinFathi-Nia

Supervisor Code:

Location of Village:

Distance from city center:24 km

General characteristics of fields and under Saffron cultivation areas

total number of saffron farms in the village	total cultivated area (acres)	average cultivation life of all farms (years)	total number of saffron producer (person)	total population of the village (person)
4	48	5	211	851
number of farms under one hectare	number of farms between 1-2 hectare	number of farms over two hectare	average surface area of Saffron fields	average production per hectare (approximate)
423	2	-	3500	3.2 kg/ha

The condition of Saffron fields irrigation

Do the village have a deep well? Yes No The amount of watering: 9 L/s The number well's owners: 56ind.

Does the village have a kanat? Yes No The amount of discharge: 17 L/s

Does the village have a river? Yes No Description: they only have water in spring season

Does required water be supplied from other areas? Yes No Region name: The overall supply:

The number of farms or those who irrigate their farms with a tank: No of people and areas under irrigation with tanks:

Percentage of dryland saffron fields Percentage of irrigated saffron fields: 100%

Other explanations regarding to irrigation: this village have 2 deep wall and one kanat

Other agricultural products of village:wheat,beetroot,barley, melons, barberry	The approximate percentage of saffron field from total land area of the village:155 ha farm and 35% orchard The approximate percentage of saffron farmers from total number of farmers in the village:100%
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How many farmers used agriculture bank facilities for saffron farming in the village?9

Average amount of bank facilities?In average 50 million Rial

Number of saffron cultivation specialized training courses have been held in the village: 4 workshop for saffron prossceng

Produced by:HosseinFathi-Nia
signature

Verifier:Dehyar:
Signature

Note: This form must be approved by village Dehyar and has Dehyary stamp.

In the name of God

Pledge of security and warranty

This warranty/guarantee contract is entered into between members of Islamic council of the **Noghab Haji Abad** village and Mr.**Mohammad Taghavi**(village Dehyar or agent) with national identification number of **0889372799** (hereinafter referred to as trustee), on one hand and the Office of saffron value chain development projects of the United Nations industrial development representing Mr. Reza Taziky (hereinafter called UNIDO Project Office) on the other hand, and agreed and signed. The provisions of this pledge of trust and guarantee is as follows:

1. A cabinet dryer with 5 kg of saffron drying capacity, with code number which is entitled to all property rights to UNIDO project office, has been delivered for a period of one year of anno hegira from the date of delivery of the device to borrowers for drying saffron produced by members of saffron production network in the **Noghab Haji Abad**village to the trustee (the Trustee mentioned above).
2. The responsibility for maintenance and proper use is of the UNIDO saffron project's advisor Mr.**HosseinFathi-Nia** son of **Esmail** with national identification number **0889911827**, and after him, is of Mr. **Hassan Khosravis**on of **Mohammad Azim** with national id of **888561891**and also all the trustees (all of network members).
3. All the trustees and those responsible for maintenance of the apparatus should have paying attention to precise and proper use of the trusted apparatus and operate it in accordance with the instructions for use and maintenance of the device.
4. The device is covered by one year warranty and after sales services according to the vendor plights, and if you require any of this maintenance obligations, responsible person can contact the seller and manufacturer.
5. The dryer electricity bills are of the user responsibility; thus, the specified operator of the apparatus can accrued a certain amount from each one of members who use dryer for drying their own saffron based on a mutual agreement, this cost is an agreed amount for electricity costs (from network members) and should be determined with agreement of network members and Islamic council members in a written from.
6. If the device capacities have been used correctly and efficiently, and after the conformity with technical requirements evaluation by the UNIDO saffron Project Office; the Office (UNIDO saffron project office) have the right to surrender the ownership of lifetime and free usage of the device to the village and saffron production network.

7. The trustees would disclaim all their rights of losses or harms even outright, and never claim any rights to device ownership, goodwill and so on; and they have disclaimed their own right to any complaints and subsequent protests and legal action in any forms after signing this recognition.

8. The UNIDO project office is not in any way responsible for partial or complete losses of the quality and quantity of saffron that been dried by this device due to improper or any fault application of the device; and no costs or compensation shall be provided by UNIDO project's office (device owner) for partial or complete damages due to improper utilization of device.

9. The borrowers shall not have the right to move or transit the device to out of the village and they should hand over the device in safe and sound state to the UNIDO project office.

10. The network members whose names are attached here should have the priority in using device, and no cost must incur on them except for electricity, members shall not paying any charge for drying saffron.

Note 1. All the rights to partial or complete assignment of the device from the time of delivery until any time declared by UNIDO project as the owner of the device are totally incumbent to UNIDO Project Office, and trustees and beneficiaries of device have not any right to appeal or object to any of UNIDO Project Office (owner) decisions.

Note 2. Incurring any charges, fees or wages for drying to farmers whom aren't member of the network, provided that there is excess capacity of member farmers, shall be decided by the project advisor and member of Islamic council of village.

This pledge of security (above mentioned) have been concluded in 10 paragraph and 2 provisions (notes), and approved by members of Islamic council of **Noghab Haji Abad**, head of UNIDO saffron project's network in this village, Mr.**Hassan Khosravi**, UNIDO saffron project's advisor in village Mr. **HosseinFathi-Nia**.

The list of network members is attached to this pledge letter.

Project advisor signature

Name:

Date: 19th Oct 2014

Dehyar signature

Name:

Date: 19th Oct 2014

Head of Islamic council of village signature

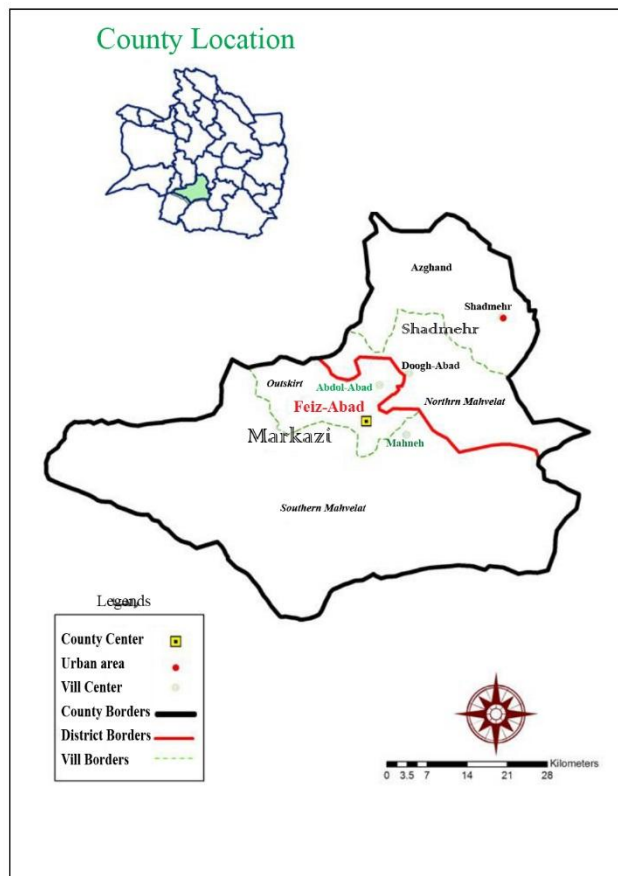
Name:

Date: 19th Oct 2014

City of Mahvelat – Village:Doogh Abad

Mahvelat County

Mahvelat is a county located in the KorasanRazavi province with Fizabad as center city, which is composed of two districts, Markazi (central district) and Shadmehr. Mahvelat is surrounded by Torbathaydarieh from north, Rashtkhar and Khaf from east, Gonabad from south and Khalil-Abad from west. According to available statistics, it had population of about 49,000 people, distributed all over this area. The Mahvelat flat and plain is located on the eastern land of Namak desert in the southwestern part of TorbatHydarieh in the shade of Hesar Rood Moajan and GhalehGoogh, BaigSorkh-Abad from north, Azghand and mount Fadafen from west, and north-west terrain of mount Kabir; Mahvelat up and lowlands are located in the Khaf, Rashtkhar, and Gonabad plains. Mahvelat city has perennial rivers including the Hesar River, MoajanRiver, Sorkh-Abad River, and Kal-Shour River, and its climate is warm, dry, arid, and droughty.



According to statistics from Agriculture Organization of Khorasan Razavi province, there are 3910 hectares of saffron farmland in this county which were produced about 11130 kilogram of saffron yearly. Saffron production efficiency is about 3 kg per hectare, which is lower than average saffron production of governing province; therefore, it is imperative to increase the promotional activities for better awareness of farmers in order to improve their crop's productivity.

The average life span of the Mahvelat's farms is around 6 years, which can be one of the main contributing factors with reduction of average Saffron's production in this city with about 6586 active saffron cultivator's farmer.

There are about 6586 saffron farms in Mahvelat that indicates the saffron plantation cover 100% of farming sector of this city, and more than 73 percent of all farms are under one hectare surface area. Mahvelat is considered as one of the emerging saffron plantation hub of Khorasan Razavi province. One of the main saffron production zone of this county is Doogh-Abad district.



City: Mahvelat

Village:Doogh Abad

Supervisor: Moslem Malekhassani

Supervisor Code:

Location of Village: Mahvelat County, Shadmehr district, Doogh Abad

Distance from city center:7 km

General characteristics of fields and under Saffron cultivation areas

total number of saffron farms in the village	total cultivated area (acres)	average cultivation life of all farms (years)	total number of saffron producer (person)	total population of the village (person)
700	400	5	2500	3500
number of farms under one hectare	number of farms between 1-2 hectare	number of farms over two hectare	average surface area of Saffron fields	average production per hectare (approximate)
430	200	70	5000 m	3-4 kg/ha

The condition of Saffron fields irrigation

Do the village have a deep well? Yes No The amount of watering: 6 inches The number well's owners: 50ind.

Does the village have a kanat? Yes No The amount of discharge: 15 L/s

Does the village have a river? Yes No Description: have permanent river

Does required water be supplied from other areas? Yes No Region name: The overall supply:

The number of farms or those who irrigate their farms with a tank: No of people and areas under irrigation with tanks:

Percentage of dryland saffron fields Percentage of irrigated saffron fields: 100%

Other explanations regarding to irrigation: this village have 24 deep wall and 4 kanat and a permanent river

Other agricultural products of village:pomegranate, pistachio, wheat,barley	The approximate percentage of saffron field from total land area of the village:40% The approximate percentage of saffron farmers from total number of farmers in the village:90%
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How many farmers used agriculture bank facilities for saffron farming in the village?9

Average amount of bank facilities?In average 50 million Rial

Number of saffron cultivation specialized training courses have been held in the village: 4 workshop for saffron prosscening

Produced by: Moslem Malekhassani
signature

Verifier: Dehyar:
Signature

Note: This form must be approved by village Dehyar and has Dehyary stamp.



Network members demography form

F-ED03

City: Mahvelat

Village: Doogh Abad

Supervisor: Moslem Malekhassani

Supervisor
Code:

Date of Establishment: 17th Oct 2014

Network head name (NDA): Gholam
Hassan Rajabi

NDA cellphone: 09155310592
NDA phone: 56763363

The farmland parcel characteristics and surface areas under saffron cultivation by the saffron network members

The network member name:	Ownership status		Saffron farm area (square meter)	Production year	Member's phone number
	Owner	tenant			
Hassan Zal	*		10000	5	09159329708
Haj Mohammad FilehKosh	*		15000	5	09155324032
Haj GholamhosseinRajabi	*		30000	6	09155310592
EmadFilehKosh	*		15000	5	09153336023
Mohammad Haj Gholi	*		10000	4	09153319238
EsmaeilHalaj	*		10000	4	05156763333
Mohammad Reza Mesbahi (Gholam)	*		10000	5	09153319299
AbasKiani	*		10000	5	09159331896
Mohammad Sobhani	*		30000	5	09155322723
Mohsen Baloochi	*		10000	5	09159674533
Akbar BeigZadeh	*		7000	6	09159079496
AlirezaTaheri	*		11000	6	09153335578
Mohammad Reza Mesbahi (Mohammad Hossain)	*		15000	4	09159331928
Hassan Mirkhani	*		10000	6	09153334930
	*				
	*				
	*				

Signature of network chief

Signature of supervisor

In the name of God

Pledge of security and warranty

This warranty/guarantee contract is entered into between members of Islamic council of the **Doogh Abad** village and Mr.**Hassan Zal**(village Dehyar or agent) with national identification number of **6519922064** (hereinafter referred to as trustee), on one hand and the Office of saffron value chain development projects of the United Nations industrial development representing Mr. Reza Taziky (hereinafter called UNIDO Project Office) on the other hand, and agreed and signed. The provisions of this pledge of trust and guarantee is as follows:

1. A cabinet dryer with 5 kg of saffron drying capacity, with code number which is entitled to all property rights to UNIDO project office, has been delivered for a period of one year of anno hegira from the date of delivery of the device to borrowers for drying saffron produced by members of saffron production network in the **DooghAbad**village to the trustee (the Trustee mentioned above).
2. The responsibility for maintenance and proper use is of the UNIDO saffron project's advisor Mr.**Moslem Malekhassani** son of **Alimorad** with national identification number **6519938068**, and after him, is of Mr. **GholamhosseinRajabi**son of **Hassan** with national id of **6519764507**and also all the trustees (all of network members).
3. All the trustees and those responsible for maintenance of the apparatus should have paying attention to precise and proper use of the trusted apparatus and operate it in accordance with the instructions for use and maintenance of the device.
4. The device is covered by one year warranty and after sales services according to the vendor plights, and if you require any of this maintenance obligations, responsible person can contact the seller and manufacturer.
5. The dryer electricity bills are of the user responsibility; thus, the specified operator of the apparatus can accrued a certain amount from each one of members who use dryer for drying their own saffron based on a mutual agreement, this cost is an agreed amount for electricity costs (from network members) and should be determined with agreement of network members and Islamic council members in a written from.
6. If the device capacities have been used correctly and efficiently, and after the conformity with technical requirements evaluation by the UNIDO saffron Project Office; the Office (UNIDO saffron project office) have the right to surrender the ownership of lifetime and free usage of the device to the village and saffron production network.

7. The trustees would disclaim all their rights of losses or harms even outright, and never claim any rights to device ownership, goodwill and so on; and they have disclaimed their own right to any complaints and subsequent protests and legal action in any forms after signing this recognition.

8. The UNIDO project office is not in any way responsible for partial or complete losses of the quality and quantity of saffron that been dried by this device due to improper or any fault application of the device; and no costs or compensation shall be provided by UNIDO project's office (device owner) for partial or complete damages due to improper utilization of device.

9. The borrowers shall not have the right to move or transit the device to out of the village and they should hand over the device in safe and sound state to the UNIDO project office.

10. The network members whose names are attached here should have the priority in using device, and no cost must incur on them except for electricity, members shall not paying any charge for drying saffron.

Note 1. All the rights to partial or complete assignment of the device from the time of delivery until any time declared by UNIDO project as the owner of the device are totally incumbent to UNIDO Project Office, and trustees and beneficiaries of device have not any right to appeal or object to any of UNIDO Project Office (owner) decisions.

Note 2. Incurring any charges, fees or wages for drying to farmers whom aren't member of the network, provided that there is excess capacity of member farmers, shall be decided by the project advisor and member of Islamic council of village.

This pledge of security (above mentioned) have been concluded in 10 paragraph and 2 provisions (notes), and approved by members of Islamic council of **DooghAbad**, head of UNIDO saffron project's network in this village, **Mr. GholamhosseinRajabi**, UNIDO saffron project's advisor in village **Mr. Moslem Malekhassani**.

The list of network members is attached to this pledge letter.

Project advisor signature

Name:

Date: 19th Oct 2014

Dehyar signature

Name:

Date: 19th Oct 2014

Head of Islamic council of village signature

Name:

Date: 19th Oct 2014