

Paqui Ruiz Requena Farm

1. introduction

La serre est située dans la municipalité d'El Ejido sur la côte d'Almeria. Lieu où se concentre le plus grand nombre de serres en Europe. Cette disposition et son nombre élevé lui ont valu le surnom de mer de plastique et de par ses propres mérites est connu comme le potager européen. La serre d'Almeria permet une production agricole intensive. C'est une force motrice du point de vue économique et social, qui permet de maintenir la population rurale et d'attirer la main-d'œuvre dans une région qui, sans cette ressource, dépendrait exclusivement du tourisme. Ce cas illustre la possibilité pour les serres d'avoir une gestion durable, respectueuse de la faune et du sol, et de constituer à elle seule un paysage agricole digne de considération.

2. PROFIL DE PROMOTEUR



Prénom

Paqui

Nom de famille

Ruiz Requena

Année de naissance

1983

Le genre

femelle

Éducation

Secondary Education

3. PROFIL DE LA FERME





**Address**

Las Norias, El Ejido, Almeria, Spain

Pays

Espagne

Secteur agricole dans hectar

1.00

Date de création de la ferme

2002

Date depuis quand le promoteur est propriétaire / loue la ferme

mer 01/01/2003 - 12:00

| NUMBER OF WORKERS | FAMILY MEMBERS | EXTERNAL WORKERS |
|-------------------|----------------|------------------|
| Full time | 1 | 1 |
| Part time | 0 | 0 |

Description de la ferme

The farm consists of 1 ha of plastic production where the red pepper and yellow melon are alternated, the greenhouse is in El Ejido (Almería) near the Punta Estinas-Sabinar Natural Place, it is a family farm where Paqui shares the activity and the equipment with his mother with the support of his grandmother, the predecessor of both. Previously their main crop was courgette, but the appearance of a virus has forced them to transform their production into pepper and melon for 4 years. From the commercialization point of view, they use private distribution channels that export abroad, which obliges them to comply with very strict certifications, especially for export to the USA. This commercialization forces to develop a greenhouse management based on the principles of integrated production with a minimum use of synthetic products for fertilization, which means that no pesticides (herbicides, insecticides or fungicides) are used, based on the biological pest control, solarization, and mechanical weeding, thus ensuring sustainable management and healthy and pesticide-free products.

4. Multifonctionnelle / agriculture durable et des paysages agricoles européens (EAL)

Multifunctional & sustainable farming Key Words

Biodiversity

Quality/Organic/Certified production

Texte libre

In this farm, the sustainable management is very important with no use of insecticide, fungicides, and herbicides, in exchange to biological control, solarization, and mechanical weeding is being developed since 2003, which makes for example the use of bees and bumblebees possible for the pollination of the crops, and maintaining a high population of tiger fly, the fundamental auxiliary fauna to control certain pests. The soil is enriched annually with organic matter from manure to improve soil fertilization and structure. In summer the greenhouses are whitewashed, which produces the reflection of light and therefore a reduction of the temperature under plastic and environment of the region, this is known as the Albedo effect.

The plastic is no longer an uncomfortable waste, now there are many plastic recycling companies and the new plastics are biodegradable. From the water management point of view and given that Almeria is a particularly arid region, in the last few years multiple desalination plants have been built, which provide this resource to many farmers. From the energy point of view, the greenhouse in this area is very efficient, the characteristics of this area means that in winter it is not necessary to maintain the temperature with heating and the fuel consumption and emissions are minimal.

In the beginning, the change to integrated production was difficult because of the scarce availability and price of biologically controlled material, but the trends in the sector have normalized these practices. In this sector, the disease control is very important, the entry of a virus that affected the courgette forced to transform this greenhouse, thus it is important

to identify a product that would be an opportunity and bet on its implementation.

One of the biggest problems is to finance the renovation and modernization of greenhouses and the purchase the equipment, on the sale through private warehouse you get an extra price with respect to cooperatives, but not belonging to OPFH (fruit-and vegetable-producer organisations) prevents them from accessing subsidies for the greenhouses' improvement.

In the future they plan to market through cooperatives, where the defense of the product is not on the best quality level, but it allows them to move to organic production and access financing to improve their farm.

At the beginning, as a woman, she found certain barriers and prejudices on the part of certain colleagues in the sector. At present, Paqui has found her place as a well-known and respected farmer in her environment.

Conseils / Recommendation

- It is important to access agriculture through set-up programs. Setting up a greenhouse without financing is difficult. From the commercialization point of view, it is important to belong to OPFH (fruit-and vegetable-producer organisations) in order to finance investments and improvements.
- There should be a limitation in the minimum sales prices, the price drop shows the lack of union within the sector.
- Incorporating more women in agriculture is important, they have to believe in themselves and know that they are able to do what they want to do.
- We have to be aware of the positive values of sustainable cultivation in the greenhouse, we must defend our activity and enhance its importance as an agrarian landscape.

5. CONSIDERATIONS, compétences / compétences impliquées et requêtes / questions.

Considérations générales

In recent years the perception of the greenhouse as a landscape and method of agricultural exploitation has been changing. The spectacular nature of the landscape contributes to this together with the paradigm changes towards sustainable management methods that respect the fauna and the environment. The legislation and the requirements of foreign markets are also contributing to this. The greenhouse is becoming a tourist attraction factor, generating interest for visitors, students, and farmers. It is expected in the future that integrated production and ecological management will be imposed on traditional methods of greenhouse management. It is, therefore, important to build and promote the values of the agricultural landscape linked to this type of sustainable agriculture, which ensures high quality, healthy, and safe products. In terms of training, it is important to know the marketing alternatives and develop associative mechanisms that allow the short chain commerce to ensure the permanence of added value close to farmers. The technical training linked to integrated production, plant health control, and efficiency in nutrition and use of resources is fundamental to guarantee the economic and environmental sustainability of the greenhouse. For all this, it is important to develop and enhance the values of the greenhouse, know and spread the benefits they provide as a method of cultivation, and, in the case of Almeria, as an agricultural landscape that drives the economy and society.

| Strengths | Weaknesses |
|--|---|
| <ul style="list-style-type: none"> • Haute production. • Approche familiale. • Production intégrée. • Fierté et conviction. | <ul style="list-style-type: none"> • Dimension. • Infrastructures et équipements. • Dépendance à l'égard du marketing. |
| Opportunities | Threats |
| <ul style="list-style-type: none"> • Financement public. • Tendances sectorielles vers le développement durable. • Production écologique. • Vente directe. | <ul style="list-style-type: none"> • Contrôle des prix. • Fléaux et maladies. • Conditions météorologiques. • Une concurrence croissante. |

Mots-clés

EAL Keywords

Heathland

Huertas

Farming Key words

Greenhouses

Horticulture

Melon

Pepper

Main Training/Skills/Competences

The technical aspect is very relevant, for that reason it is necessary to be properly trained in the use of integrated production techniques, the management of biological control, know about soil and how to develop it. It is important to be convinced about the activity you run, feeling proud of being farmer, you must claim the farmer as a trained professional and responsible for the nutrition of society. It is also important to develop the values of the greenhouse landscape, identify its strengths and spread it within the collective and towards the rest of society. It is important to strengthen the cooperative spirit and the sense of belonging to the group, to facilitate forms of cooperation that promote the values of the activity, and maintain profitability among farmers.

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Requêtes / Questions

- Do you think that this case study may have changed your previous ideas about greenhouse cultivation?
- Do you consider the greenhouse cultivation under plastic as sustainable?
- Do you think it can be a model of replicable culture in your country or your environment?
- What other forms of intensive production do you know that can maintain sustainability criteria?

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