



## PROJECT WORK REPORT

### TOWARDS A SUSTAINABLE ORGANIC AGRICULTURE FOR 240 INDIGENOUS FAMILIES Q'EQCHI' OF THE VALLE DE ULPÁN GUATEMALA "- FIFTH YEAR

PRESENTED TO

ERBACHER



GUATEMALA ABRIL DE 2018

## PRESENTACIÓN:

The objectives set out in this project are aimed at 240 families from 17 communities of the Ulpan Valley have better life opportunities through the different activities that are implemented orienting them to sustainable development.

The activities that are implemented which are carried out in an integral way, are oriented from the strengthening of the educational aspect, practices of the agroecologic al production, the improvement of the nutrition and family economy taking as a base the methodology of Peasant to farmer.

We present for your consideration the following report where you detail the activities by objective.

### Objective 1:

Promote, through the strengthening of the Demonstration Center, appropriate agro ecological practices related to animals, land and plants, in particular.

Follow-up is given to the implementation of recovery practices of medicinal and nutritive plants native to the region, these seeds and plants are collected in the different intervention communities of the project and in other regions where activities are carried out to exchange experiences or visits . Areas are selected in the demonstration center where they are planted providing assistance throughout the production process until the seeds are harvested to continue with their reproduction and others can be shared with promoters, model families, community leaders, etc.

Assistance is still provided to the different systems of appropriate technology such as composting latrines, harvesting rainwater, energy through solar panels, artisanal irrigation system taking advantage of rainwater harvesting. Soil conservation works such as live barriers, terraces, level curves, are provided with adequate maintenance. It increases the production of vermin compost which is used for natural fertilization and the production of vegetables such as radish, cabbage, strawberries, cilantro, parsley in defined areas in the demonstration center. The animal component has been implemented with the purchase of a cow, a pig, rabbits in order to teach that you can obtain products for family feeding as products for the production of organic fertilizers that are being used in the production of vegetables that now they are also produced under greenhouse (microtuneles); For the balanced feeding of our animals, concentrates are being prepared using local resources. The smoking room has been implemented to teach the producers of the communities how to make sausages and give them an added value in marketing with the smoking process. The knowledge and experiences acquired in the different systems implemented in the demonstration center are shared with promoters, model families and people who request it as part of the farmer-to-farmer methodology.

Demonstration Center



Capture of solar energy



Latrine mints family abonera



Rainwater harvesting system



Implementation of irrigation water system

Cultivation of terraced vegetables (cabbage)



Cultivation of vegetables, radish in the demonstration center



Some horticultural products harvested at the demonstration center



Microtuneles for the production of vegetables



Production of vegetables in microtuneles with irrigation system with appropriate technology



Livestock systems implemented in the demonstration center





Production of rabbits



Sausage smoked house construction



Smoked house already finished

Objective 2:

Loans of 40 pigs to 40 families to generate income for the continuation of their sons and daughters in middle and high school studies.

As part of the process of strengthening the economy of the family so that they can support their children in continuing their studies, assistance and technical accompaniment is provided in livestock production mainly to pigs given to families in the communities of Nuevo Amanecer, Chirucbiquim, Semesche, Esquipulas, Benitzul and Sesalché. Accompaniment consists of visits to the house to verify the state of health of the animals, their food that is appropriate, the space where it is located, etc. At each visit, reminders of the training received are made, as well as the follow-up they have to provide in the production and marketing process. A workshop is planned here the processing of smoked and sausage products will be treated, which will give them the added value in the commercialization and in this way obtain better income and have a better family economy.



Supervisory visits and technical support to families producing pigs

Management and maintenance in the production of pigs







Food with local resources

Implementation of prophylactic plan, vaccination as prevention



Family production of pigs for marketing

### Objective 3:

Provide widows, mothers of malnourished children and single women of the Ulpan Valley to improve food and family income.

For the fulfillment of this objective, the following activities are carried out during the reporting period.

In the training provided in the previous period, it was agreed that for the delivery of birds to each selected family, before their reception, they would build their poultry houses, upon verifying this activity in the houses, they were given 8 Creole hens to each family. There were 9 families of the communities of Benitzil, Don Bosco Setex, Chirucbiquim and Esquipulas who were benefited, before the delivery; they are vaccinated so that the outbreak of mainly respiratory diseases is diminished. The delivered birds were bought in the area so that they did not suffer problems of adaptation and feeding, with this strategy the bird deaths were reduced and achievement in reaching the proposed objective. He has trained in the preparation of concentrates using local resources.

With these activities, livestock production is diversified in families and food, nutrition and its economy are improved



Vaccination and delivery of birds to women, diversifying their production and feeding





Vaccination and delivery of birds to women, diversifying their production and feeding



Corral for raising birds in family plot

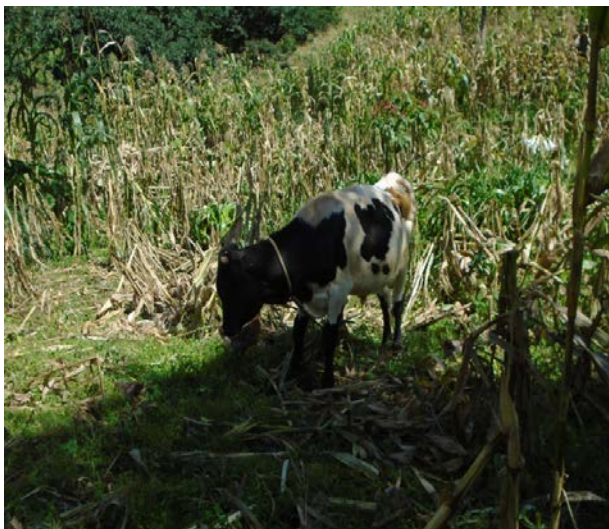


Elaboration of artisan concentrates

Objective 4:

Continue supporting 10 model families to implement sustain able organic agriculture and promote it in their communities through the pedagogical method "from peasant to farmer".

The model families that's tarter with the training, implementation of agro ecological practices and sharing the acquired experiences, continue to strengthen, demonstrate the interest in learning more techniques including diversifying their agricultural and animal products. Family gardens are implemented, with vegetables such as radish, cabbage, strawberry, coriander, tree tomato, wüisquil, malanga, among others. They are also including animals in the process of family feeding and taking advantage of the manure for the production of organic fertilizers which will be used in the production of vegetables. With the assistance provided by the CAFNIMA technicians in the productive processes that he families implement, they are given in formation on how to prepare the vegetables and to include them in the family diet and have a better nutrition. The commitment of the promoters is to replicate with families in the ir communities the knowledge, techniques and experiences the yobta in based on the methodology "from peas an ttopeasant". For a good feeding of the animals has been trained in the preparation of concentrate sousing local resources.



Cattle of the model families in their plots as part of the agroecological system.

Pig cattle of the model families in their plots as part of the agroecological system.





Abonera in model family plot



Family garden developed with agro-ecological techniques



Model family with nursery of tomato tree plants for sowing in their garden and for marketing.



Production of wüisquiles in model family plot

Objective 5: Train 20 young people as promoters of sustainable organic agriculture, so that they share their knowledge in their communities, using the "farmer to farmer" method.

The knowledge acquired in the training received by the agro ecological promoters and promoters is being put into practice. It is observed in plots implemented by promoters the diversification of crops that in some cases have already harvested and consumed as part of their diet. They also observe the work they do with animals, where they see them as part of an agro ecological system, take advantage of plants that they cultivate in their plot to feed them and take advantage of the manure for the production of organic fertilizers and apply them in their family gardens. As part of the monitoring and assistance by the CAFNIMA technicians, visits are made to the plots implemented by the promoters to evaluate the activities they carry out and if they are executed according to agro ecological systems.



Agroecological youth promoter harvesting on his plot



Harvest of radishes in a diversified family garden of agroecological promoter

Family garden diversified in agroecological promoter plot



Promoter applying medicinal products to animals to prevent diseases



Promoter implementing animal husbandry and fertilizer development in their plot