



The fields in Mexico suffer the consequences caused by climate change

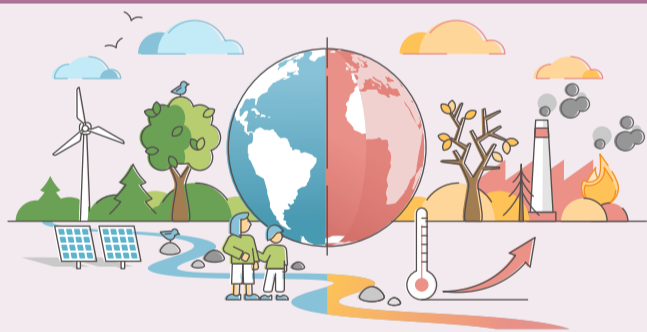
The fields in Mexico are facing the consequences caused by climate change, a current global phenomenon.

OAXACA, OAX., JANUARY 2022.

Climate change around the world has caused several effects in agriculture, the most noticeable effects we can mention are the increase of temperature, droughts, frosts, floods, among others.

The previous effects have a negative impact in agriculture as it depends on the weather conditions completely. This fact causes situations of vulnerability in light of facing any of those phenomena.

Over the years, international organizations like the Food and Agriculture Organization of the United Nations (FAO), the Economic Commission for Latin America and the Caribbean (ECLAC), the International Monetary Fund (IMF), and the World Bank (WB) agreed on combating climate change and its effects. They give particular emphasis to the less developed countries, as most of them depend on the fields to produce food, and that sector is being affected by climate change, which creates conditions that increase poverty gaps.



What is climate change?

According to the United Nations (UN), climate change consists of the weather variations caused directly or indirectly by human activities. Those aspects change the components of the global atmosphere and they contribute to the natural weather variations observed in similar stages.

Climate change in Mexico

In accordance with research conducted by different Centers in the country, but more specifically the National Institute for Research on Forest, Agriculture, and Livestock issues (INIFAP), the entire country but particularly the fields show increases on temperature, different changes on the physiology of plants, early flowering, premature ears, outbreak of plagues, and constant diseases in plants.

Among the meteorology factors that might be considered as negative effects we can mention weather variations, the amounts of

rain in specific periods, and the periodicity of rains. Additionally, the stages that were previously considered as the seasons to work in the fields will gradually change.

Farmers will have to learn about the value of adaptability, as the decision-making processes they make will allow them to decide on better routes to face new changes, especially designed to face an uncertain future that might deal with significant challenges.

CMT SUCCESSFUL CASES



Different programs and actions have been implemented in CMT to provide support to people in the fields. An example of that took place in Guerrero, a municipality located in the state of Chihuahua, where seeds and agricultural supplies were subsidized to assist 14% of the producers in that area

Research, development, and infrastructure

Research and development on technology are fundamental because the development of biotechnology might contribute to either

the meaningful improvement of crops, or the adaptability conditions of Mexican fields.

DATA

The temperature in Mexico has increased by 1.4 degrees compared to the one from 1981 to 2010, which has caused the loss of ecological balance.

How can we rescue the fields in Mexico from this phenomenon?

According to experts of the Research Center for the Sustainable Rural Development and the Food Sovereignty of the Chamber of Deputies, the recommendations for the fields in Mexico are:

- Improving the capacities and abilities of people in rural communities
- Developing species and variations able to resist the new temperatures
- Monitoring and systematization of rain periodicity
- Promoting the exchange and development of endemic seeds
- Improving basic physical infrastructure
- Solving problems related to the lack of credits and agricultural insurance

Congregación Mariana Trinitaria has worked for more than 24 years to improve the conditions of people who need assistance. People in charge of the production of food have always been a priority for CMT so, different programs and actions have been implemented to provide support to people in the fields. An example of that took place in Guerrero, a municipality located in the state of Chihuahua, where seeds and agricultural supplies were subsidized to assist 14% of the producers in that area. This effort caused the rescue of the crops in 2021 and thousands of families were able to get enormous benefits from that program.

Follow us:



@CongregacionMT

www.cmt-global.org

(951) 502 31 00