



**CAAW**



**WECEF**



**Mehr-Shavkat**

## **Project**

“Increasing the living standards of rural population by introducing new technologies of eco-sanitation concept to agriculture.”

# History of Foundation

- In 1996 Public Foundation «Mehr-Shavkat» was founded by active women initiative of Aravan village.
- In 1997 was officially registered by the Ministry of Justice, Kyrgyz Republic

# Foundation Aims:

- To help unprovided families and to promote their living conditions.
- To improve people`s mind, to train them in following directions: agriculture, animal breeding, gender, sanitation and hygiene, social rights.
- To form self-fund groups and unify them to federations
- To create village committees
- To activate women participation in decision making processes
- To support unprovided families through microcrediting them
- To make youth more active
- To lobby interests of unprovided families at local and state authority levels



# **Role of Ecosan in Agriculture**

# Types of Organical Fertilizers:

- **Faeces** – excretion of every living beeing
- **Composting** – Method of procession made out by organic wastes
- **Biogumus** – worms are used
- **Green fertilizer** – Plants which collect nourishment for cultural plants.

# Organic matter value

## 1. Nutrient function:

Organic fertilizer includes following nutrients: nitrogen (N), phosphorus (P), potassium (K), magnesium (Mg), calcium (Ca) and microelements as: (S,B,Cl,Fe,Mn,Mo,Zn)

# Organic matter value

2. Improves the structure of soil: the sufficiency of organic matters in the soil improves its structure and ensures the well growth of roots of plants

# Organic matter value

3. **Betters the activity of organisms in the soil:**

Example, Worms mix the soil, soften it and protect from erosion

# Organic matter value

## 4. Increases the stability:

Plants fed by organic fertilizers are generally much stable against vermin and parasites rather than the plants fed by mineral fertilizers

# Organic matter value

## 5. Economizes the expenses spent for mineral fertilizers:

Example: To have 1 tons of excrement mixture for 2 horses, 2 cows, 5 sheep and chickens 9 days are spent. This mixture includes 6 kg of nitrogen, 2 kg of phosphorus, 5 kg of potassium and 4 kg of calcium.

As for mineral fertilizers: to buy 3 kg ammophos and 8 kg of ammonia it will be 120 soms

# Comparison

- Farmer group “Ak-Tilek” had practiced land sections: for 0.2 hectare they used organic fertilizers, and in other 0.2 hectare local mineral fertilizers were used.

In the result the area where organic fertilizers were used the harvest raised to 25%.

1 section yielded 8 tons of tomatoes.

2 section yielded 6 tons of tomatoes .



**THANK YOU for ATTENTION!**