WASTE HARVEST STARTED IN THE FIELD

In Konya and Karaman, we implemented our Zero Waste Management in Field Project in order to create added value in the economy from wastes and residuals occurring from the moment the seed is planted in the field to the harvest such as stalk, straw, cob and waste plastics come out in agricultural activities.

The Project is carried out within the İTÜNOVA Technology Transfer Office Project "Zero Waste Management in the Field" under the supervision of Prof. Filiz Karaosmanoğlu, and in cooperation with the Turkish Plastics Manufacturers Research Development & Educational Foundation (PAGEV).

As a part of the 1000 FEP social responsibility program, 1147 corn and sunflower farmers were trained about waste management during the 2020 production season.

Farmers’ plastic and hazardous plastic waste were collected by PAGÇEV, which is PAGEV’s authorized recycling enterprise.

Project:
- More than 500 farmers’ wastes types and quantities were determined,
- Plastic and hazardous plastic waste collected from their fields, in other words from farmers’ living factory,
- Via recycling approximately 3 tons of plastic; 117 kg greenhouse gas emissions were prevented, and 16,513 kWh energy savings were achieved.

Organic Waste
- Stalk
- Straw
- Root
- Corn cob
- Husk

Plastic Waste
- Bag
- Sack
- Mulch Cover
- Greenhouse Plastic
- Pochette
- Bin
- Bottle
- Irrigation Pipe
- Rope
- Net
- Case

Priorities in Waste Management

Avoid Waste Outlet

Aim for the Least Waste

Reuse

Provide Recycle/Upcycle

Recover Material and Energy

Eliminate

Waste should create employment and added value in the economy