



14th Meeting of COMCEC Agriculture Working Group

The Role of Cooperatives in Sustainable Food Systems:

Pankobirlik Model



panko*birlik*
Union of Sugar Beet Growers Cooperatives

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Importance of Sugar

Importance of sugar in nutrition

WW1 period sugar prices

x65

The difficulty and importance of keeping farmers in
sugar production

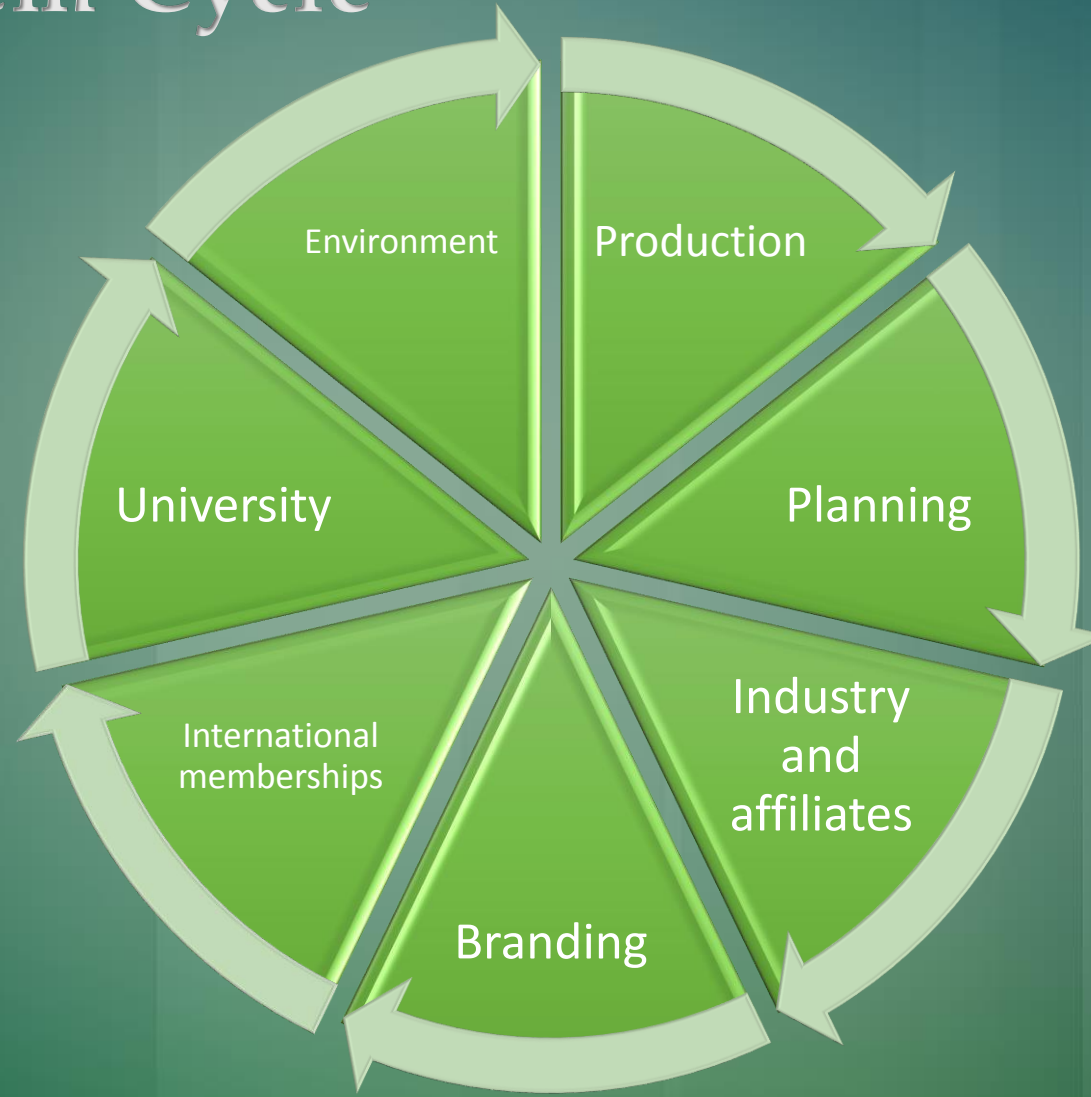
Risks and uncertainties in the world

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For Food Sovereignty

Our Food System Cycle



3



Everything starts by producing



Production



- Sugar beet production in 13,750 settlements,
- Approximately 1,414,000 members,
- 31 Sugar Beet Cooperatives and 314 branch offices
- Local employment for 12 thousand people

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Planned Production for Sustainable Agriculture

Processes of Agricultural Production for Farmers

Planning

1. Making production decision.
2. Determining which product will produce.
3. Determining where and how inputs such as seeds and fertilizers will be obtained.
4. Determining how to finance the costs up to harvest.
5. Determining whom and where to sell the harvested product.



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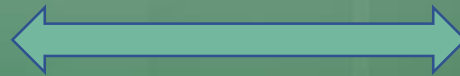
Planned Production for Sustainable Agriculture

Member of Pankobirlik's Farmers are Happy

Because;

- Land use planning can be made years ago.
- In addition to sugar beet, our farmer cultivates potatoes, corn and sunflowers.
- Our farmers receive the support of the cooperative affiliates in financing the production of the contracted crop with the in kind and cash advances in the production process.
- Cooperatives that have an investment in processing agricultural products ensure the transfer of some or all of the added value generated from the product to the farmer.

Planning



Agri-Industry Integration



Our 3 companies
are in place of
the ISO 500 list.

Integrated Approach to Agriculture



- 7 Sugar Factory
- 1 Liquid Sugar Production Factory
- 1 Candy factory
- 1 Bioethanol Production Plant

Sugar

- 1 Milk Production Ranch
- 1 Frozen Finger Potato Production Facility
- 1 Meat-Milk Products Integrated Production Complex
- 1 Raw Oil Factory

Other Products

- 1 Seed Production and Processing Plant
- 10 Feed Plant
- 1 Drip Irrigation Systems Production Plant

Inputs

- 9 Agricultural affiliates
- 19 Various affiliates
- 2 Shareholding at coal company
- 3 Thermal Powerplant

Affiliates

Energy generation

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We Add Value to Labor: Branding

Torku

Naturally from Us

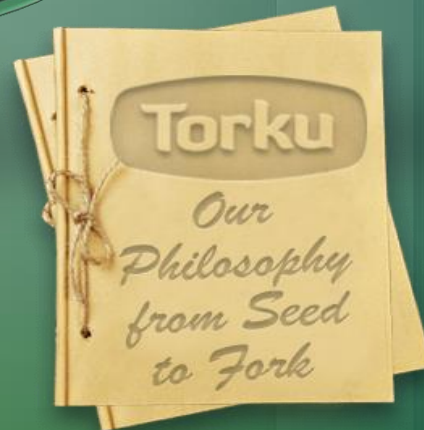
Doğrudan Market



Doğrudan Döner



Ziyafet Restaurants



panko birlik
Ankar Ekiçileri Kooperatifi Birliği



Union of Heart and Labor

We Add Value to Labor: Branding

Torku

Naturally from Us

Certificates and Awards

ISO- 9001 Quality Management System Certificate

ISO- 14001 Environmental Management System Certificate

FSSC- 22000 Food Safety Management System Certificate

TSE- Halal Certificate of Compliance

Other certificates: <http://torku.com.tr/tr/icerik/detay/329/sertifikalar-ve-kalite-belgelerimiz>

Branding



Istanbul Brand and
Career Summit



8 awards at the International
Food Summit.



From Local to World



IRU “International Raiffeisen Union”



CIBE “International Confederation Of European Beet Growers”



WABCG “World Association Of Beet And Cane Growers”



We Grow the **A Team** of Food and Agriculture



KONYA
FOOD & AGRICULTURE
UNIVERSITY



- Our university consists of Faculty of Agriculture and Natural Sciences, Faculty of Engineering and Architecture, Faculty of Social Sciences and Humanities.
- Konya Food and Agriculture University is ranked 15th among 68 foundation universities in 2019 with a research budget of approximately 30.000.000 TL.
- In cooperation with Pankobirlik, a Cooperative Research Center has been established within the university.

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Environment-Friendly Production Model



- In 2006, a drip and sprinkler irrigation production plant was established as a subsidiary of Pankobirlik in Konya to ensure the efficient use of water.
- Soil is another resource that is scarce and valuable as much as water in agriculture. Pankobirlik fulfills its responsibilities with the training of farmers in order to transfer modern agricultural techniques to the farmers and to protect the soil.
- As a cooperative model, Pankobirlik reduces production and consumption distances by making local production as opposed to large-scale companies, thus reducing carbon gas emissions and product losses during transportation.



Environment-Friendly Production Model



To plant as many trees as the population of Turkey Project Received Civil Society Awareness Award of the Year in 2017

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- Our affiliates Konya Seker, planted over 20 million trees in 9.400 decares of collective forest areas, created in 66 different locations on 273 separate forestation courses, on 4.550 km distance on highways, which connect Konya to neighboring provinces and village roads.

5th June World Environment Day Message:

"We are not willing to settle for 20 million saplings we planted for a greener environment and a cleaner future. We aim to planting seedlings up to the population of Turkey. Happy World Environment Day!"



Torku



Environment-Friendly Production Model



Environment

Molasses



Sugar beet pulp



Steam Pulp Drying Plant



Packaged Pulp Production Plant



Bioethanol Production Plant

vinasse



Organic Fertilizer Production Plant



Liquid Carbon dioxide Production Plant



Dry Ice production Facility

We use the waste product of one plant as the input of our other plant.

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Environment-Friendly Production Model

instead of spending energy to cool condensed water in cooling towers



Environment



Pisciculture Plant

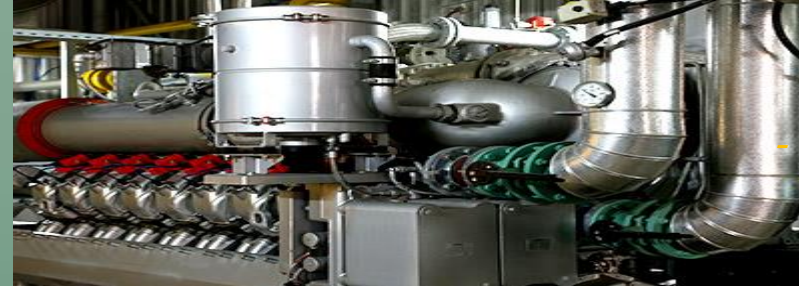


Modern Greenhouses

- 60 decare area
- Organic tomato
- Zero energy cost



Industrial Waste Water Treatment Facility



Trigen Powerplant

methane gas

- Produce energy for the cooling and heating of Cumra Campus

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We use the waste product of one plant as the input of our other plant.



Environment-Friendly Production Model



Environment



Frozen Finger Potato Production Facility



Potato skins

%25 energy



Biogas Plant



Undersize potatoes



Potato Starch Production Plant



Natural Storage

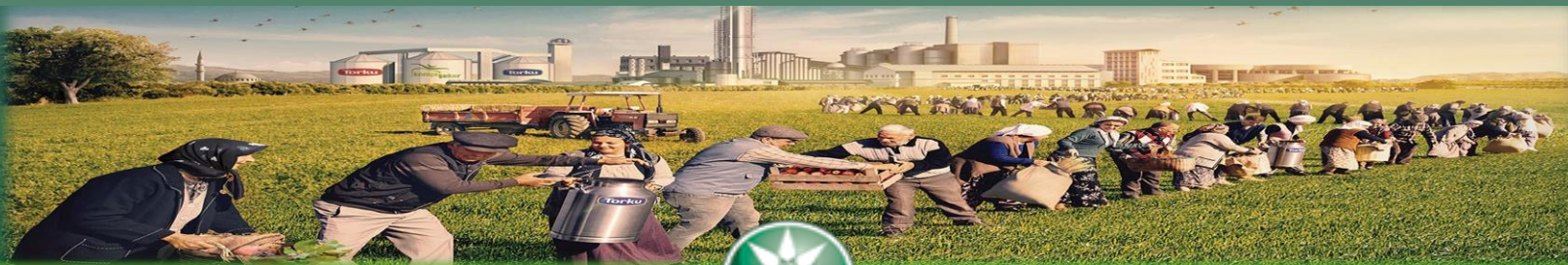
We use the waste product of one plant as the input of our other plant.



Policy Suggestions

- Cooperatives are the guarantees of the sustainability of agriculture and food with the activities that increase the welfare of many farmers engaged in small scale production.
- In almost every crisis that occurs in the world, the cooperatives can continue their existence and function without interruption.
- With the cooperative-style production model, consumers have the opportunity to know that what they eat, who produces it, and under what conditions this products obtained.
- The labor of small family farmers are valued, they have a share in the added value of their product, participate in the processing of their product, earn additional income, and they get utilisation from the increasing the welfare and social level of rural cooperatives and enterprises.

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Policy Suggestions

- Turkey's self-sufficiency rate for sugar is the highest level due to the fact that Pankobirlik reduce the input costs of farmers and has the role of promoting production.
- In the face of today's changing market conditions and policies, we live in an economy where producers can continue agricultural production only with the help of organizing. Thus, we believe that the implementation of the Pankobirlik model by other cooperatives will contribute to the reduction and disappearance of food security concerns in the member countries of the Organization of Islamic Cooperation.

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Policy Suggestions

- Increasing the effectiveness of agricultural cooperatives in OIC member countries and
- Cooperation between agricultural cooperatives in OIC member countries should be promoted and implementation of joint projects should be raised.





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şeker Ekicileri Kooperatifleri Birlięi

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Thanks for your attendance