



## INCREASE THE PRODUCTIVITY OF YOUR AGRIBUSINESS WITH GREEN TECHNOLOGIES AND CLIMATE ADAPTATION MEASURES



**Benefit from green financing through GEFF – regardless of the size of your business**

Supported by:



Do you own a farm? Do you breed livestock, poultry or fish? Do you manage a greenhouse? Do you want to cut energy costs and make your operations more efficient? Are you looking to make your business more sustainable and less harmful to the environment? Do you want your business to be adaptable to the risks posed by climate change?

If the answer to any of these questions is "yes", your energy expenditures are most likely quite high. Green finance could be the key to helping you decrease these costs by enabling you to invest in high-performing technologies and in turn, making you more competitive in the long run.

## **GEFF CAN HELP YOU ACHIEVE YOUR GOALS**

The Green Economy Financing Facility or GEFF is a facility offered by the EBRD that helps businesses become more competitive and sustainable by enabling them to invest in green technologies. GEFF has already financed more than 202,000 projects dedicated to energy and resource efficiency as well as renewable energy. Valued at more than EUR 5 billion, these investments have led to a reduction in CO<sub>2</sub> emissions amounting to over 9 million tonnes per year in 27 countries around the world.

## **WHY ARE GREEN TECHNOLOGIES BENEFICIAL FOR AGRIBUSINESS?**

- Maintain the same level of operating power while consuming fewer resources (such as fuel or water)
- Reduce the use of nutrients and fertilisers for your crops
- Grow your crops all year round with lower energy expenditures
- Take advantage of state support schemes, which can be combined with financing through GEFF, by consulting the GEFF partner financial institution of your choice to see whether your desired investment qualifies



# WHICH TECHNOLOGIES CAN BE FINANCED BY GEFF IN THE FIELD OF AGRICULTURE?

Here are some examples of **energy efficiency**, **renewable energy**, and **climate adaptation** technologies eligible for financing under GEFF:

## Tractors



Average price: **AMD 12,000,000**  
(70 kW model)

Regular benefits:

- ✓ Reduce fuel consumption by 20-30%
- ✓ Increase productivity
- ✓ Reduce maintenance costs

## Combines/Harvesters



Average price: **AMD 60,000,000**  
(350 hp unit)

Regular benefits:

- ✓ Reduce fuel consumption by 30-40%
- ✓ Increase sowing area significantly
- ✓ Reduce maintenance costs

## Cooling chambers



Average price: **AMD 12,500,000**  
(21x6x3 m)

Regular benefits:

- ✓ Reduce electricity consumption by 25%
- ✓ Increase shelf life of products
- ✓ Reduce maintenance costs

## Greenhouse heating systems (modernisation)



Average price: **AMD 25,000,000**  
(1 ha)

Regular benefits:

- ✓ Reduce gas consumption by 20-25%
- ✓ Increase production by 15-25%
- ✓ Precise climate control

### Stationary installed sprinkler irrigation system

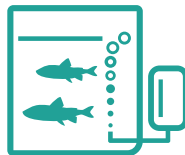


Average price: **AMD 6,696,000**  
(13 ha)

Regular benefits:

- ✓ Increase crop yield by 20%
- ✓ Decrease pump electricity consumption by 25%
- ✓ Decrease irrigation water and fertilizer consumption by 35%

### Paddle wheel aerator for fish farming



Average price: **AMD 13,888,000**  
(area of 1.1 ha)

Regular benefits:

- ✓ Increase production (density) by 200%
- ✓ Decrease fresh water consumption by 70%
- ✓ Improve product quality

### No-till farming equipment set (tractor and auxiliaries)



Average price: **AMD 70,000,000**

Regular benefits:

- ✓ Increase crop yield by 48%
- ✓ Decrease fuel consumption by 43%
- ✓ Decrease seed consumption for planting by 10%

### Double layer inflated film greenhouse (fifth generation)



Average price: **AMD 558,000,000**  
(1 ha)

Regular benefits:

- ✓ Decrease irrigation water and fertiliser consumption by 45%
- ✓ Increase crop yield by 28%
- ✓ Decrease natural gas consumption by 16%

### Straw briquetting machine (25 tonnes/month capacity)



Average price: **AMD 8,000,000**

Regular benefits:

- ✓ Reduce consumption of firewood for heating a family farm to zero
- ✓ One load enough for 5-6 hours of combustion
- ✓ No soot and unpleasant odours
- ✓ More convenient warehousing and storage

### 6m<sup>3</sup> biogas thermophilic reactor for small family farming (5 cows)



Average price: **AMD 2,500,000**

Regular benefits:

- ✓ Daily biogas production of 36 m<sup>3</sup> with a calorific value of 6.25 Wh/m<sup>3</sup>
- ✓ Annual savings of firewood for heating of 52.5 m<sup>3</sup>
- ✓ Environmentally friendly fertilisers for the farm

## GEFF HAS TWO APPROACHES TO FINANCING YOUR INVESTMENTS

**Pre-approved investments:** If you already know what technology you would like to invest in, you can browse our **Green Technology Selector**. This online database contains green and high-performing technologies under US\$ 300,000 (or equivalent in other currencies) that have already been approved for green financing.

**Assessed investments:** If the investment that you are looking to make is complex and requires a customised solution, you can apply for our **FREE** technical assistance. GEFF consultants will provide expert advice to ensure that you find the most appropriate green technologies and services that are eligible for financing under the GEFF.



## HOW TO MAKE THE GEFF WORK FOR YOU?

- I. Choose the **RE, EE or CA high-performing technologies** that best suit the needs of your business by either using the **Green Technology Selector** [techselector.com/armenia](https://techselector.com/armenia) at or by approaching vendors directly
- II. Summarise the **technical** and **financial requirements** of your proposed investment
- III. Approach a **Partner Financial Institution (PFI)** to apply for financing [ebrdgeff.com/armenia/financing](https://ebrdgeff.com/armenia/financing)
- IV. If necessary, apply for a **free consultation** and project assessment from an experienced team of GEF experts
- V. Secure financing through a **loan** or **leasing agreement**
- VI. Have the **technology installed**
- VII. Benefit from long-term **energy savings** and in some cases **financial gains\***

\* Small scale renewable energy projects aimed at meeting a business's own energy needs may also qualify for an incentive equal to 20% of the amount borrowed. This is subject to verification upon successful completion of the project. The investment incentives are funded by the Climate Investment Funds (CIF) through the Scaling-Up Renewable Energy Programme (SREP).



We look forward to hearing from you and answering your questions

GEFF in Armenia

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