

The innovative proposition

to attract investors and buyers

1. Name of innovation

Microwave biostimulation, Desinsected and Desinfection of seed technology

2. Intellectual Property

Select the appropriate position, put the mark «+». Write relevant information.

- Patented Innovation countries: Ukraine
- Filed for a patent countries: _____
- License agreement or Exclusive rights. Exclusive rights
- Other (specify) _____

3. Type of innovation

Select the icon by replacing from "-" to "+"

	Product
+	Technology

	Result of R&D
	Other (discussed separately)

4. Areas of innovation

Select one or more applications innovation by replacing from "-" to "+" .

	Automobiles, transport and logistics
+	Agriculture and food technology
	Aerial and space technology
	Biochemical technology
	Building
	Military Industrial and Safety
	Energy and Energy Saving
	IT-technology, ICT industry and services
	Light industry
	Marine industry and services
	Environment
	Nano- and Micro Technology
	New materials
	Medicine and Health
	Creative industry
	Tourism and cultural heritage
	Other. (Please specify below the scope)

5. Novelty

What does innovation superior (in digits or qualitatively) already existing? (The answer should be clear and concise - three main arguments in support of the use of promising innovations in domestic and/or foreign markets)

The implementation of project results contributes to the solution of the problem of increasing crop yields, improving the quality of maternity and its conservation by environmentally friendly methods without the use of chemicals. The technology of microwave biostimulation, disinfestation and disinfection of seeds of agricultural crops is justified by the results of research. Major cereals, legumes, oilseeds, vegetable crops, etc., common in Ukraine were studied. The consequence of this is the conclusion: the field of application of technology is reasonably recommended for implementation in the regions of southern Ukraine, but without weighty restrictions can be extended to all areas.

First of all, it is planned to carry out biostimulation of seeds with the help of the existing microwave installation. It is also planned to distribute technologies for disinfestation and disinfection. Their use in laying seeds for long-term storage will help protect grain products from destruction, without using chemical protection means, which in itself is quite costly and dangerous for the ecological state of the environment. Separate results of the project can be used in other countries with mandatory experimental studies to identify the regime parameters of processing, taking into account the characteristics of the species and variety of seeds.

The use of technology can provide an increase in the germination and germination energy of seeds by 15-30%, provide up to 100% disinfestation and disinfection of seeds, which allows a 10-30% increase in yield and a 15-20% increase in preservation with long-term storage of harvested crops.

The second part of the work after the end of the project is associated with the production and improvement of installations by which microwave technologies are implemented.

6. Stage of Innovation

What is innovation's stage of development? Select the icon by replacing from "-" to "+"

-	The concept, proof of concept
-	The prototype, which tested and available for demonstration
+	The technologies for small-scale production
+	The technology is ready for industrial application
-	Commercialized

7. The presentation innovations at the Forum

Select one or more forms by replacing badge from «-» to «+»

-	The demonstration model
+	Multimedia presentation
+	Report

8. Information about the participants, which apply innovation

	<i>If innovation is filed away</i>
First Name Last Name	Odessa National Academy of Food Technologies (ONAFТ)
address	Ukraine, Odessa, Kanatnaya str., 112, ONAFТ, Research institute ONAFТ
web-site	onafт.edu.ua

The person responsible for communication with the organizing committee of the Forum	
position	Chief of Department of the normatively-technical providing and metrology
First Name Last Name	Danylova Olena
tel. city	(048) 724-28-75, 712-41-30
e-mail	nauka@onaft.edu.ua
<i>Author</i>	Boshkova Irina. boshkova.irina@gmail.com