



## **INSTRUCTIONS**

### **BACKGROUND AND PURPOSE**

The National Institute of Food and Agriculture (NIFA) Hall of Fame recognizes contributions to NIFA and the Land-grant University system and support of USDA Strategic Goals and Priorities, and our nation's food, agriculture, natural resource, and human sciences enterprise.

Inductees into the NIFA Hall of Fame must have worked, coordinated, or supported activities exemplifying NIFA's synergy of excellence in any combination of research, education, and extension approaches on local, regional, national, or international levels and will have demonstrated a measurable and positive impact on the lives of citizens and NIFA and its mission to "*Invest in and advance agricultural research, education, and extension to solve societal challenges.*"

### **ELIGIBILITY**

1. Nominees may be living or deceased.
2. Nominations will be accepted from:
  - a. NIFA employees and NIFA partner organizations (Land-grant Universities and partner institutions). Each partner organization must conduct its own internal review and screening process prior to submitting a nomination to NIFA.
  - b. Individuals.

### **EVALUATION CRITERIA**

- Accomplishments must support USDA strategic goals and priorities.
- See the NIFA Hall of Fame guidance for complete evaluation criteria information.

### **NOMINATION PROCEDURES**

1. Nominations may be made by any NIFA employee, NIFA partner organizations, or individuals.
2. Nominations must consist of the following:
  - A completed NIFA Hall of Fame Nomination Form; and
  - No more than 3 endorsements/letters of support. See the NIFA Hall of Fame guidance for a complete description of nomination procedures.
  - Nominations must be e-mailed to Kelly (Michael) Sprute at [kelly.sprute@usda.gov](mailto:kelly.sprute@usda.gov) **no later than April 1, 2022**. Please include "Award Nomination Submission" in the email subject line.



1. NOMINEE INFORMATION	
<b>NAME OF NOMINEE</b> <i>(list the exact name to be shown on the award)</i> Fulvio Balmelli	<b>NOMINEE'S ORGANIZATION</b> Harvest Harmonics Inc.
<b>NOMINEE'S TITLE</b> Biophysics Researcher & Kyminasi Plants Inventor	<b>NOMINEE'S EMAIL</b> Research@kyminasi.com

2. EVALUATION CRITERIA
<b>50 POINTS: MEASURABLE IMPACT ON NIFA AND ITS MISSION</b>  <b>Limited to 500 words. Clearly describe the measurable impact on NIFA and its mission. Explain the situation that revealed the need for the activity and how that situation was addressed/improved due to specific actions of the nominee. If the nominee's role was as a supporter, describe the measurable impact resulting indirectly from that support. Clearly describe how the nominee's support was critical to enable the implementers/coordinators to achieve the measureable impact described.</b>
<p>Fulvio Balmelli, an independent researcher since 1990, has committed to developing effective and long-term solutions for human health, finding his way by creating his own path of knowledge and practical methods.</p> <p>With a mechanical design background, he conducted studies alongside experts and doctors from various sectors, in the fields of human anatomy, homeopathy, phytotherapy, postural osteopathy, and bio-resonance, while continuing to deepen his knowledge of the physical and biophysical sciences. Since then, every morning, before starting the day, he studies medical and physics texts, updating himself and comparing data and studies.</p> <p>During the last 15 years, Fulvio has encoded thousands of electromagnetic frequencies emitted between molecules during specific biological processes, creating a real language able to communicate directly with the cells of any biological system. He created Cytoalgorithmics, a new biophysical technology, through which it is possible to restore the biochemical processes of cells, without the use of chemistry.</p> <p>Fulvio Balmelli invented the Kyminasi Plants / Crop Booster (KP/CB) that is revolutionizing the agriculture industry internationally. KP/CB is attached to an irrigation system and is an easy-to-install set of advanced custom micro-transmitters, utilizing over 3,000 low-frequency waves. KP/CB is activated when water first flows past it. The system uses water as a conductor to transfer the frequencies that amplify plants' natural processes. It is custom-sized for each farm and designed to work with all crops planted in soil. No power system or maintenance is required. The KP/CB system utilizes an advanced biological signaling system to improve photosynthesis, crop yields, disease resistance, produce quality, vigor, shelf-life, nutrient density, stress-tolerance, Brix, and health in soil and plants. The Kyminasi Plant Booster can even positively impact the Dairy and Meat Production Industry by increasing nutrient density in forage and fodder.</p> <p>Over 20 years of biophysics research has led to this breakthrough in improving soil and plant health and increasing crop yield with the KP/CB. Our research center led by Fulvio Balmelli has studied plants' natural processes, namely root growth, nutrient and water absorption, and photosynthesis. The result is the most advanced crop booster technology in agriculture.</p> <p>Harvest Harmonics Inc. (HHIC) is the company that supported Fulvio Balmelli during the trialing phases and advanced development phases of the KP/CB technology with the shared goal to advance agricultural sciences with long-term sustainability and viability for agriculture. KP/CB is a ground-breaking technological discovery that can reach the people that need help in agriculture most. It can significantly improve the agriculture industry, natural resources, and human sciences. HHIC would like to formally request help from NIFA to collaborate with leading scientists to solve the most pressing local and global problems in agriculture. KP/CB is advancing the competitiveness of global agriculture and will continue to improve the world economy. KP/CB will enhance the safety of the nation's food supply and improve the nutrition and well-being of American citizens. It will rejuvenate natural resources and the environment while addressing the agricultural issues impacting people's daily lives and the</p>



## NIFA HALL OF FAME NOMINATION FORM

### 30 POINTS: SYNERGY OF RESEARCH, EDUCATION, EXTENSION AND NOMINEE'S ROLE

**Limited to 500 words. Describe the combined Research, Education, and/or Extension approach and the nominee's role as implementer, coordinator, or supporter. Explain why this approach was uniquely effective, and/or innovative. Provide specific examples of how the nominee ultimately ensured positive, measurable impact from the activity/activities on citizens' lives locally, regionally, nationally, or internationally.**

Fulvio Balmelli has devoted his life to finding solutions for human health and social problems. The invention of the Kyminasi Plants / Crop Booster (KP/CB) arose from this goal and is revolutionizing the agriculture industry to become a more sustainable system for all participants. Fulvio Balmelli dedicated more than 10,000 hours of research utilizing diverse biophysical equipment to map out the biological processes of living plants to discover how to increase the plant's performance and health while rendering the environment, including the soil, stable and healthy. The most revolutionary achievement of this technology is that it does not utilize any chemical inputs and only utilizes programmed biophysical signals that are mathematical algorithms used to correct the biological processes that have been altered. Additionally, the programmed biophysical signals also improve exponentially the already existing optimum biological processes. This technology does not bypass any of the plant's natural processes and does not involve any phytotoxicity of any kind as demonstrated by trials. The following results demonstrate the effectiveness of KP/CB in agriculture internationally.

**Corn:**

- 81% to 100% Increased Yields
- 50% Decreased Water Use
- 583% Increased Forage Yield
- Greater Growth of Fodder Corn
- Greater Vigor
- 35% Increase in Foliage
- Increased Nutrient Density

**Alfalfa**

- 25% to 30% Yield Increases
- Increased Nutrient Density

**Rice**

- Reduced Presence of Nematodes, Hydrelia, and Fungi
- Increased Nutrient Density


**Almonds**

- 300% Faster Soil Water Infiltration Rate
- Over 65% Reduction in Water Use

**Grapes**

- 75% to 165% Yield Increases
- Improved Drought Tolerance
- Reduced Mite Infestation
- Over 65 Grape Clusters Per Plant
- Increased Fruit Size

### 3. NOMINATOR INFORMATION

<b>Name:</b> Keegan Nelson	<b>Title and Organization:</b> Science Director, Harvest Harmonics Inc.
<b>Signature:</b>  Keegan Nelson	<b>Date:</b> 03/11/2022
<b>Phone:</b> 414-400-2575	<b>Email:</b> science@harvestharmonics.com