



Startup Profiles

National Youth Agri Innovation Challenge



JYOTI HEALTHY SNACKS



SCAN ME



**Food
Processing**



12 Employees

Operational since: 1-2 years

About the Company

Jyoti Healthy Snacks is a company based in Nepal, dedicated to manufacturing all-natural, preservative-free granola, energy bars, protein bars and nut butters under the brand name SnackOn. Established with a dual mission of promoting healthy snacking habits among Nepalese consumers and providing high-quality, nutritious options for international visitors, SnackOn distinguishes itself through its commitment to superior ingredients that enhance both taste and nutritional value. In an industry increasingly saturated with similar products, SnackOn stands out by prioritizing the quality of its bars and aligning with evolving consumer preferences for healthier alternatives.

At SnackOn, we are comprised of a lean team of twelve operating with efficiency and in a systematic fashion. Currently, we employ four full-time staff in production and utilize part-time help for logistics, operations, and marketing—both online and offline. At SnackOn, we also believe in environmental sustainability, and hence we use kraft paper packaging for our bars over traditional plastic pouches which is a commitment to our value of operating as a responsible small business and making a difference wherever and whenever we possibly can.

As SnackOn continues to scale, our focus continues to remain on product innovation, customer satisfaction, and sustainable practices. By staying true to our core principles of quality, health-consciousness, and environmental mindfulness, SnackOn aims to leave a mark not only locally but also internationally.



JYOTI HEALTHY SNACKS

Location

 Kathmandu, Bagmati

Innovation Details

Agriculture sector faces acute problem of food wastage. In fruit category, 15-20% of various types of fruit go to waste due to multiple reasons of which unavailability of market is one of the primary causes. Due to this phenomenon, consumers are either being forced to consume fruits that are imported from abroad which command a higher price in the market and contain excessive amounts of pesticides or not consume a fruit at all. Therefore, in order to solve the local supply chain problem of waste and quality control, we at Jyoti Healthy Snacks, would like to directly partner and work with local farmers to acquire their produce at a fair price, and process and manufacture the inputs into dried fruit and fruit leathers for Nepalese and International markets.

We aim to solve two major things through our idea: 1) to empower local farmers in producing quality produce which will be purchased at a fair price directly from the farmers, 2) to introduce healthy snacking options for the Nepalese market which contributes to their daily nutritional goals.

Company PAN
123514677

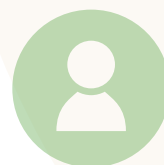
Previous grants

None

Company Representative



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Focused SDGs

2 ZERO
HUNGER



3 GOOD HEALTH
AND WELL-BEING



12 RESPONSIBLE
CONSUMPTION
AND PRODUCTION



ALLBETA EV NEPAL



SCAN ME



**Supply Chain
Management**



5 Employees

Operational since: 1-2 years

About the Company

Allbeta EV Nepal, Tilottama-02 Rupandehi is a profit-oriented business platform registered at Tilottama Municipality-02, Rupandehi. It is working as a facilitator for small businesses and green entrepreneurs for input supply and marketing of locally produced farm products. It also provides advisory services for business operations, marketing, branding, and technical services to local businesses, farmers, and green entrepreneurs. This platform also encompasses the human resources structure as a Chief Executive Officer, Business Advisor, Senior Consultant, Program/field Coordinator, & Green Outlet associates, etc.

Location

 **Lumbini , Rupandehi**

Innovation Details

This initiative aims to ensure long-term sustainability through digital market activities for local input suppliers, retailers, women farmers, and entrepreneurs. It will foster local partnerships and innovative activities like knowledge transfer and digital/business services. Women's involvement in decision-making on purchasing inputs and selling products will increase, supporting farms even after the program ends.

The program seeks to enhance digital services and social media marketing for farm input supplies with the following objectives:

1. Increase input market access for women farmers, local entrepreneurs, and businesses in industrial maize production to reduce the gender gap.
2. Develop digital business services for local businesses, agro-vets, and green entrepreneurs to meet the demand for improved seeds, fertilizers, and technologies.

Allbeta EV Nepal promotes local entrepreneurship, offers advisory services, and enhances farmers' capacities. It provides quality seeds, fertilizers, and agricultural tools to businesses and farmers at lower prices. The initiative addresses challenges faced by small farmers, women farmers, and green entrepreneurs in industrial maize production, including limited market access, digital skills, and profitability.

Company PAN
619584575

Previous grants

GGGI NEPAL

Title of Grant: Promoting Small Businesses and Local Green Entrepreneurs in Madhesh Province, Nepal.

This grant benefits 200 direct beneficiaries and 900 ultra-poor individuals by providing nursery management training, improved seeds, and Climate Resilience Agriculture Practices. Key activities include forming six farmer groups, organizing vegetable nursery training, supporting Climate Resilience Agriculture technologies, and demonstrating hybrid maize varieties (Rampur 10 and Rajkumar) with local partners

Company Representative



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Focused SDGs



SATTVA FOOD PRODUCTS



SCAN ME



**Food
Processing**



7 Employees

Operational since: 3-5 years

About the Company

Sattva Food Products is dedicated to fostering global well-being by preserving and promoting the traditional knowledge of Nepalese spice and pickle production. Established in December 2021 and officially launching in September 2022, we began our journey with seven products and have since expanded our range to seventeen. Our products are categorized into Whole Spices, Powdered Single Spices, Spice Blends, and Pickles and Chhops.

Historically, spices in Nepal were not merely condiments but integral components of daily life, valued for their medicinal properties. As modern lifestyles have evolved, this traditional art is diminishing. As a company we are committed to revive and preserve this invaluable knowledge, ensuring it continues to benefit future generations.

Through our products we are trying to bring out the traditional flavors of Terai by collaborating with the women of various communities of Terai. We are proudly a woman-powered enterprise, sourcing all our raw materials from women farmers in the mid and far western regions of Nepal. We are actively working towards empowering them both economically and socially.

Our vision is to bring out the authentic and traditional recipes of Nepal, promote and preserve the traditional knowledge while empowering the women of the various communities. Through our mission to enhance global well-being by preserving Nepalese traditional knowledge, providing high-quality products, and empowering women farmers and artisans, we aim to set the standard in the industry, offering products that not only delight the palate but also promote health and well-being.



Location

 Lumbini , Kapilvastu

Innovation Details

While working with women in various communities, we noticed a significant issue: female farmers in Nepal struggle to access the market directly. Despite 74% of the female workforce being farmers, they often receive unfair pay compared to men. For example, women sold soap nuts for as low as 7 rupees per kilo, while the market rate was 40 rupees. This disparity is due to poor access to information, reliance on middlemen, and lack of confidence to demand fair prices. This issue affects many aromatic and medicinal plants, including spices and herbs.

To address this, we've focused on forming a farmer group with 60% women, holding regular meetings to provide accurate market information and connect them with diverse buyers. In the coming quarter, we'll conduct workshops on sustainable harvesting, agricultural practices, financial literacy, and building an effective community of practice. This is our first step toward bridging the social and economic disparity faced by women in rural areas.

Company PAN
617357425

Previous grants

None

Company Representative



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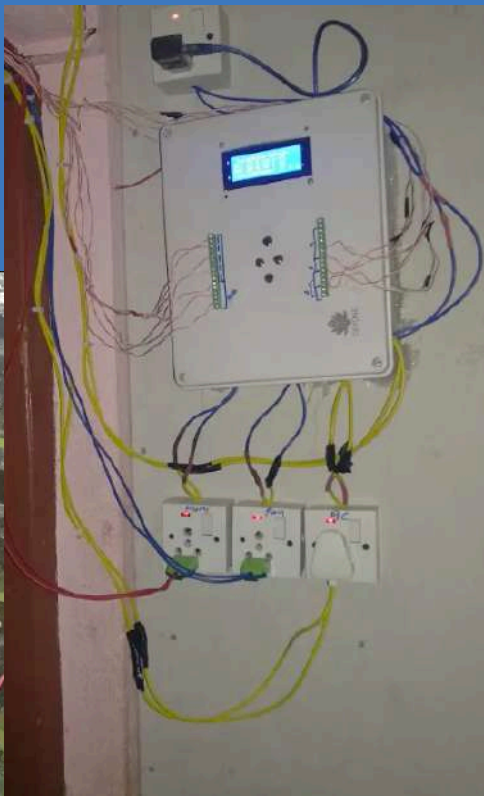


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Focused SDGs



AGRO RANGE NEPAL



SCAN ME



Agri-Tech



3 Employees

Operational since: 1-2 years

About the Company

Mushrooms can grow easily in tropical climate countries with a high level of relative humidity. Nepal has favorable condition for mushroom cultivation but farmer are not able to produce regularly because there is practice tradition way on mushroom cultivation and only able to cultivate mushrooms in season time. In traditional ways of mushroom cultivation, most of the balls were damaged, pathogens and pet's attacks, high maintenance cost, and labor cost usage. To get the desired profit margin in mushroom cultivation, we have to cultivate mushrooms all season. For that we develop new technology that helps mushroom farmers. They are able to cultivate mushrooms in all seasons and cultivate all kinds of mushrooms (Oyster, Button, Shitake, Gandroma) in a single room. The new technology maintains an appropriate environment (temperature, Humidity, and Co2) for mushroom farming, reduces the pet's attack and the number of ball damage, and farmers grow mushrooms throughout the year.

Location

 **Lumbini, Banke**

Innovation Details

Innovation and Differentiation In Nepal, Such technology system wasn't developed before, so we can say that it is a great innovation for mushroom farming. But in Nepal, the Climate Control System of Mushrooms was imported from India, China and other countries. By Comparison / differentiation our System with others have following features:

- a. High Cost Environment Control that middle class farmers can't afford it but our product cost is low as compared so all level of farmers can afford.
- b. For install and maintenance we need a specific person but in our project use of local material which is easily available in nepal.
- c. When a machine has some fault we can recover with in a day.
- d. In a single house, we can cultivate different types of mushroom species but foreign products need to be separate for mushroom species.
- e. We can operate single line phase electricity but other systems need industrial three phase electricity.

Company PAN
61019330

Previous grants

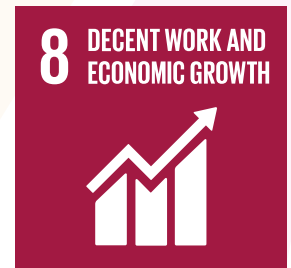
None

Company Representative



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Focused SDGs





SCAN ME



**Supply Chain
Management**



3 Employees

Operational since: less than a year

About the Company

Agri Nexus is a private company dedicated to enhancing the capacity of farmer groups and cooperatives through technical support, ensuring they generate good income from agriculture. We advocate for farmers' rights, providing quality seeds, environmentally friendly plant protection inputs, and agricultural technologies at affordable rates. Intensive monitoring and guidance help boost the volume and quality of products, improving farmers' livelihoods.

We currently work with over 200 farmers in Chautara Sangachowkgadi Municipality, Sindupalchowk, including both subsistence and commercial farmers. Our goal is to increase agricultural production and secure markets. We've identified marketing and selling platforms, including a permanent vegetable market (Mandi), and are negotiating to set up an organized stall. This model will directly connect farmers with the market, eliminating middlemen. We will open bank accounts for each farmer to record their financial gains and expenses, promoting a business mindset.

Additionally, we help farmers and cooperatives connect with stakeholders, find resources, and develop proposals. We maintain data on farmers to explore crop insurance, agricultural loans, and other support. We're also planning to establish community seed banks to promote and protect the genetic diversity of indigenous crop varieties. This approach benefits both farmers and consumers by ensuring fair income for farmers and affordable prices for consumers.

Location

 **Koshi, Sankhuwasabha**

Innovation Details

As an agriculturist, I've worked with diverse ground-level farmers and found that market access is a major issue for them. Despite being well-trained and productive, farmers lack market knowledge and bargaining power, forcing them to sell their products at low prices. The open market system has allowed middlemen to exploit these farmers by buying at cheap rates.

To empower farmers and promote agriculture as a profitable profession, we collaborate with farmer groups and cooperatives. We provide organized services and training, seasonal workshops, crop calendars, and recommendations for crop varieties and pesticides. We also supply affordable agricultural products through cooperatives. We collect farmer data and plan feasibility studies for agricultural loans and crop insurance in collaboration with stakeholders. Recognizing that collective farmers struggle to invest properly, we help develop proposals for agricultural resources with cooperatives. These efforts ensure a significant rise in agricultural production. Our primary objective is to establish a direct market, reducing the influence of middlemen. This ensures farmers can earn good incomes and consumers can access quality produce at affordable prices, enhancing livelihoods for both groups. Additionally, we are exploring the establishment of a community seed bank for indigenous crops. To address climate change, we plan to adopt smart agriculture practices to build resilience.

Company PAN
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Previous grants

None

Company Representative



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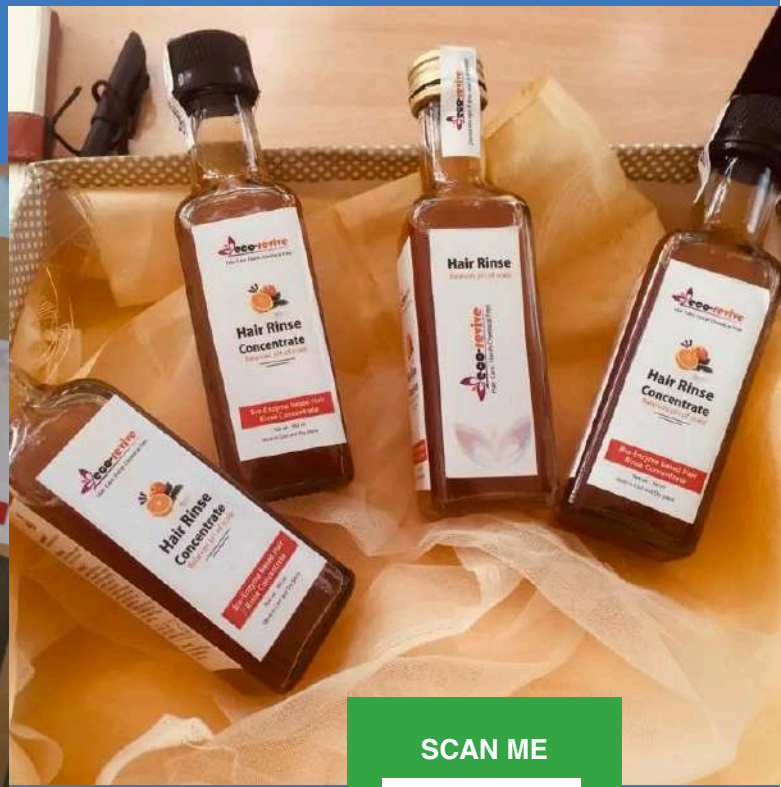


Shreya Luitel
Female

Focused SDGs



ECO-REVIVE RESEARCH AND INNOVATION



SCAN ME



**Sustainable
Agriculture**



2 Employees

Operational since: less than a year

About the Company

Eco-Revive is a socially and environmentally conscious enterprise dedicated to providing sustainable hair care solutions. Our journey began with the realization that conventional hair care products contribute to environmental pollution and health issues. As biotech students, we combine our technical expertise with a passion for sustainability, developing a product line using natural herbs, eco-enzyme, and other natural ingredients. Eco-enzyme, produced through the fermentation of fruits, offers exceptional cleansing and nourishing properties, forming the backbone of our formulations.

Eco-Revive aims to reduce environmental impact by offering eco-friendly products like shampoos, hair masks, hair rinses, satin and silk caps. Our primary goal is to establish Eco-Revive as a leading sustainable hair care brand, expanding our product line and fostering partnerships that align with our values. Based in Surkhet, Nepal, we strategically source raw materials locally, ensuring efficient production and distribution. We target health-conscious consumers aged 18-65, environmentally aware individuals.

With a commitment to ongoing research, innovation, and sustainability, Eco-Revive envisions a future where sustainable living and personal care go hand in hand, creating a healthier planet for generations to come.



Location

 **Karnali, Surkhet**

Innovation Details

Eco-Revive addresses critical agri-food sector issues through sustainability, waste reduction, and eco-friendly agricultural practices. By using bioenzyme technology derived from fermented fruit peels, we transform agricultural waste into valuable resources, promoting a circular economy. This innovative approach reduces environmental pollution and offers a natural alternative to harmful chemicals in our hair care products.

Our commitment to sustainable agriculture includes supporting the cultivation of neem, reetha, shikakai, and citrus fruits. By partnering with local farmers practicing organic methods, we enhance product quality, support biodiversity, and promote soil health. This collaboration provides farmers with a stable market, encouraging more sustainable practices and strengthening local economies.

Eco-Revive's bioenzyme-based products reduce dependency on harsh chemicals, benefiting health-conscious consumers and minimizing environmental impact. Our approach can be the example on how innovation in the agri-food sector can lead to environmental sustainability and economic resilience. Through waste transformation and sustainable farming, we create a socially responsible business model that perfectly harmonizes the personal care and environmental sustainability.

Company PAN
115158373

Previous grants

Yes, Eco-Revive has received financial support in the form of grants from non-governmental organizations. We were awarded the Innovation Grant Prize for Climate Smart Entrepreneurship, under the project NYCAGG and funded by EU, which provided us with funding to develop our sustainable hair care products. Additionally, we secured the 1st runner-up position at the National Business Idea Competition 2024, organized by NYEF, which came with a monetary prize that further supported our business development.

Company Representative

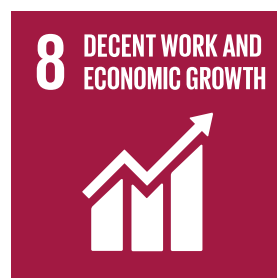


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Focused SDGs



AGRI ORGANICA



SCAN ME



Organic Farming

Operational since: 1-2 years



5 Employees

About the Company

"Agri Organica" relates to organic agriculture or farming. Our venture deals with producing organic fertilizer mainly vermicompost and then vermiwash. It is now on a small scale. We deliver more than 1 ton in every harvest. We harvest our products every 2 months. After the establishment of our firm farmers and nurseries located in the Janakpur area can get the best organic fertilizer easily and timely. We make fertilizer by using organic waste materials and cow dung. By the natural process of composting with earthworms, Agri Organica converts organic waste into nutrient-rich vermicompost, which enhances soil health and promotes sustainable agriculture. The firm also produces vermiwash, a liquid fertilizer derived from the leachate of vermicompost, known for its beneficial microbial content and plant growth-promoting properties. It is eco-friendly and sustainable with many other fundamental nutrients required by plants. We are not only providing products but also teaching them to use and help when they require them. We mainly focus on producing healthy food and play a vital role in encountering the shortage of fertilizer among farmers, nurseries, and home and kitchen gardeners. We also help local people by collecting and buying raw materials. We also give training on the importance and production method of vermicompost through various means i.e. webinars or physical.



Location

 Madhesh, Mahottari

Innovation Details

Agri Organica is engaged in producing organic vermicompost and vermiwash. It is a sustainable alternative to chemical fertilizers, which can harm the environment and decline soil quality over time. It enriches the soil, improves its structure, and enhances nutrient content, leading to healthier crops and increased yields. It doesn't have any foul smell so small home and kitchen gardeners can also use it. Due to its good nutrient content and high germinating quality, vegetables or flower nurseries use it for growing healthy seedlings and plants. It doesn't have any side effects on the environment and humans. It also contributes to long-term sustainability in agriculture. It helps to tackle the shortage of fertilizer among the farmers. People are being aware day by day and they are more engaged in organic farming. So the demand for organic fertilizer seems to increase in the coming future. Vermicompost contains more amount of macronutrients (i.e. nitrogen, phosphorous, and potash) as well as a small amount of micronutrients (i.e. iron, magnesium, sulfur, zinc, calcium, and sodium) which are rarely or not even found in other single fertilizer. Whereas vermiwash is used as fertilizer, pesticide, and plant growth hormone (PGH). Spraying vermiwash prevents plants from fungal, and bacterial pathogens and pests. The production method of vermicompost is easy and can be done at low cost, so that small land-holding farmers and poor farmers can also easily adopt and produce it.

Company PAN
618959721

Previous grants

Yes, we have received a financial grant from a non-governmental organization. "Creasion Nepal" is an NGO funded by the EU, which had a project "Climate Smart Entrepreneurship" in Madesh Province in 2022. We received a grant prize of about 1.25 lakh for starting our venture.

Company Representative



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Focused SDGs



KAPAL FERTILIZER AGRICULTURAL FARM



SCAN ME



**Sustainable
Agriculture**



2 Employees

Operational since: Less than 1 year

About the Company

Our undergraduate studies highlighted concerns about fertilizer scarcity and waste management. This led us to explore organic waste solutions, discovering the potential of hair waste. Hair, rich in nitrogen but slow to decompose, poses a global waste problem. We embarked on a research journey to develop a method to degrade hair waste, transforming it into a functional fertilizer prototype.

Annually, tons of keratin-rich waste like hair and feathers accumulate, especially in urban areas, causing environmental and health issues. Burning hair produces toxic gases, contributing to pollution.

To address these problems, we established Hair to Fertilizer Agricultural Farm, an environmental and social enterprise registered on December 22, 2023, in Tilagupha-03, Kalikot. Our goal is to alleviate fertilizer scarcity in Nepal, particularly in Karnali province, by producing liquid fertilizers from hair and feathers. This initiative not only manages waste effectively but also provides a sustainable solution to Nepal's fertilizer shortage.



KAPAL FERTILIZER AGRICULTURAL FARM

Location

 Kalikot, Karnali

Innovation Details

Fertilizer scarcity is the major problem of Nepalese Agriculture System. Every year we import millions of tons of Fertilizer yet the scarcity rate is increasing in every year. Another Although hair including human, poultry feathers are good sources of Nitrogen, we are not utilizing them.

From our farm we extract liquid media from hair and feathers. this content high concentration of Nitrogen and others Phosphorus, Potash, Ca are also available. In addition, Sulphur based amino acid like Cystine is also enriched in this product. So, from our product farmers get the fertilizer in time. Another part our farm produces different concentration of fertilizer so that farmers will get fertilizer which are compatible with the stages of crops. As a result, fertilizer toxicity problem will be diminished.

In conclusion, Nitrogen enriched liquid fertilizer with diverse concentration of liquid fertilizer is our innovative produced, from this product we are able to join this sustainable food ecosystems.

Company PAN
620744276

Previous grants

Our farm received grant from CREASION Nepal funded by European Union, on the Climate Smart Entrepreneurship category on 4th August 2023 at amount NPR 1,25,000. From this amount we are able to develop our prototype, qualitative testing and complete our farm registration procedure.

Company Representative

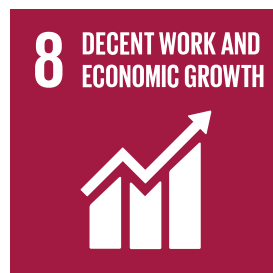


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Focused SDGs





SCAN ME



**Organic
Farming**



Employees: 4

Operational since: 3-4 years

About the Company

Basanta Livestock and Agricultural Enterprise Development Center is a leading agricultural business located in Baitadi district, Far-Western Nepal. The center contributes significantly to the food security, economic, and social development of the local community by providing various products and services such as

1. Goat Farming: The center rears high-quality breeds of goats for meat production. The quality meat meets local market demand and increases farmers' income.
2. Beekeeping: Through beekeeping, the center produces honey. Beekeeping also aids in pollination, enhancing crop yields. Honey production provides economic benefits to villagers.
3. Kiwi Farming: The center cultivates kiwi fruit, a nutrient-rich fruit with high international market demand. Kiwi farming improves farmers' income and encourages other farmers.
4. Walnut Farming: Walnut farming is also a major part of the center's activities. The high demand for walnut kernels and oil provides good income for farmers. Organic methods are used to produce high-quality walnuts.
5. Lemon and Orange Farming: The center cultivates lemons and oranges, supplying the local market. These fruits are rich in vitamin C and have high demand.
6. Vegetable Farming: By cultivating seasonal and off-season vegetables, the center supplies fresh and healthy vegetables to the local market. This provides villagers with nutritious food.

बसन्त पशु
तथा कृषि
उधम विकास
केन्द्र

Location

 **Sudurpaschim, Baitatdi**

Innovation Details

Basanta Livestock and Agricultural Enterprise Development Center focuses on sustainable development, innovation, and community prosperity in the agri-food sector. The center plans to implement the following initiatives to enhance sustainability and productivity:

1. **Smart Agriculture Technology:** Utilizing drones, sensors, and precision farming to monitor soil health, water needs, and crop growth, improving the quality and quantity of produce.
2. **Promotion of Organic Farming:** Using organic methods like composting and organic pesticides to maintain long-term soil health and environmental conservation.
3. **Local Market and Distribution:** Strengthening local markets and establishing proper storage and distribution systems to ensure fair prices for farmers and quick delivery of fresh produce to consumers.
4. **Training and Education:** Providing modern agricultural training through schools, workshops, and online programs to enhance productivity and quality.
5. **Cooperative Farming:** Uniting small farmers to bring their produce to market, offering cooperative prices for fertilizers, seeds, and equipment to reduce costs and increase yield.
6. **Circular Economy:** Reusing and recycling waste materials from the production process to reduce environmental impact.
7. **Digital Platforms and E-commerce:** Offering market access through digital platforms, enabling farmers to sell produce online and establish direct contact with consumers.
8. **Food Security and Nutrition:** Prioritizing the quality and quantity of nutrient-rich local food production and distribution systems.

Company PAN
612169690

Previous grants

None

Company Representative



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**Focused
SDGs**



KANDUK INDUSTRY



SCAN ME



Various



6 Employees

Operational since: less than 2 years

About the Company

Basanta Livestock and Agricultural Enterprise Development Center is a leading agricultural business located in Baitadi district, Far-Western Nepal. The center contributes significantly to the food security, economic, and social development of the local community by providing various products and services such as

1. **Goat Farming:** The center rears high-quality breeds of goats for meat production. The quality meat meets local market demand and increases farmers' income.
2. **Beekeeping:** Through beekeeping, the center produces honey. Beekeeping also aids in pollination, enhancing crop yields. Honey production provides economic benefits to villagers.
3. **Kiwi Farming:** The center cultivates kiwi fruit, a nutrient-rich fruit with high international market demand. Kiwi farming improves farmers' income and encourages other farmers.
4. **Walnut Farming:** Walnut farming is also a major part of the center's activities. The high demand for walnut kernels and oil provides good income for farmers. Organic methods are used to produce high-quality walnuts.
5. **Lemon and Orange Farming:** The center cultivates lemons and oranges, supplying the local market. These fruits are rich in vitamin C and have high demand.
6. **Vegetable Farming:** By cultivating seasonal and off-season vegetables, the center supplies fresh and healthy vegetables to the local market. This provides villagers with nutritious food.

KANDUK INDUSTRY

Location

 Gandaki, Tanahun

Innovation Details

Our business transforms discarded banana stems into eco-friendly products, offering alternatives to plastic bags. This initiative enhances livelihoods of rural farmers, empowers women, and significantly contributes to waste management. After processing banana stems through a special procedure, we manufacture items such as plates, trays, and bags that are entirely biodegradable and environmentally friendly, reducing plastic usage and helping mitigate pollution issues. This initiative benefits rural farmers by creating additional income opportunities through the sale of banana stems, thereby improving their economic status. It not only provides farmers with an additional source of income but also supports them in proper agricultural waste management. The involvement of women in this process plays a crucial role in women empowerment. We provide training and employment opportunities for women, enhancing their economic independence and contributing to their social upliftment. Women actively participating in the production process of banana stem products enhances their self-confidence and skills.

Company PAN
620836999

Previous grants

Our business has received financial grants and support from both governmental and non-governmental organizations. We have obtained funding under the European Union's NYCAGG project, amounting to NPR 1,25,000. This grant has assisted us in advancing our projects and adopting the latest technologies to promote environmentally friendly production.

Company Representative



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Focused SDGs



टावरग्यनि
क्स नेपाल
प्रा. लि.



SCAN ME



Agri-Tech



4 Employees

Operational since: 1-2 years

About the Company

Towerorganics Nepal, established in Kathmandu, is an organization dedicated to developing the latest technologies in urban agriculture and providing urban farmers with innovative techniques. The main office of Tower Organics is located in Ward No. 16, Kathmandu. Founded by engineers and agricultural scientists, the organization operates across various dimensions of agricultural technology.

In Nepal, Tower Organics produces and distributes urban agriculture solutions, including tower farming, which enables vegetable cultivation without soil and through automated techniques. This technology allows urban dwellers to easily grow vegetables on rooftops or in small spaces. The company's primary goal is to integrate traditional agricultural practices with modern technologies to make urban farming more efficient and accessible.

Additionally, Tower Organics conducts training in communities and at school levels, sharing developments in hydroponic technology. This technology allows cultivation of up to 30 varieties of crops in a small space (1 square meter) using mobile app-controlled automated systems, ensuring fresh and healthy vegetable production without soil or mess. This approach not only enhances agricultural productivity but also promotes environmental sustainability by minimizing plastic usage and pollution.



टावरग्यनि
क्स नेपाल
प्रा. लि.

Location

 Gandaki, Lamjung

Innovation Details

Tower Organics Nepal contributes significantly to urban agriculture and vertical farming by promoting modern technologies in limited urban spaces like rooftops and vertical towers. They use hydroponic and aeroponic systems to reduce water usage by up to 90% and employ energy-efficient methods such as solar power and LED lighting. This approach ensures fresh, nutritious produce locally, minimizes carbon footprint, and conserves land, contributing to environmental sustainability and food security.

Company PAN
610341227

Previous grants

In 2022, the IFRC launched the Limitless: Youth Innovation Academy as part of its COVID relief efforts, aimed at promoting entrepreneurship among youth Red Cross members worldwide. Tower Organics Nepal, founded by Nepal Red Cross volunteers and youth members, participated in this initiative with their innovative ideas in urban agriculture. Their idea was selected as the second most popular globally after a year-long training and various stages, earning them recognition and a 5,000 Swiss Francs seed funding prize from IFRC Limitless, marking the start of Tower Organics Nepal's official journey.

Company Representative



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**Focused
SDGs**

8 DECENT WORK AND
ECONOMIC GROWTH



9 INDUSTRY, INNOVATION
AND INFRASTRUCTURE



11 SUSTAINABLE CITIES
AND COMMUNITIES



पोषिलो कृषि तथा पशुपंक्षी स्रोत फार्म



SCAN ME



Agri-Tech



4 Employees

Operational since: 1-2 years

About the Company

Our developed probiotic feed additives are gaining popularity in agriculture and livestock sectors after the ban on antibiotic growth promoters (AGPs). These plant-based medicinal additives can easily be combined with others. Probiotics offer benefits like stimulating host microflora or immunomodulation. They are crucial in the poultry industry for combating bacterial and zoonotic diseases. Studies show they enhance vitamins, nucleosides, amino acids, and fatty acids, improving digestibility. Antimicrobial resistance (AMR) is a global concern affecting human, animal, and environmental health. The WHO estimates 0.7 million annual AMR-related deaths. The World Bank projects a 2.5% to 7.5% decline in global livestock production by 2050, potentially affecting 208 million people. AMR rises due to irrational antimicrobial use, drug availability, poor hospital infection control, and farm antimicrobial use. In Nepal, probiotics are crucial for antibiotic-free poultry and egg production. Our natural plant-based probiotics fully replace antibiotics, ensuring healthy livestock production.

Benefits of our domestic herb-based probiotics include:

1. Anti-E. coli
2. Anti-salmonella
3. Excellent deodorant/pollution reduction (d)
4. B-complex and essential amino acid sources
5. Coccidiosis management (reduces noxan)
6. Clostridium management (helps with Necrotic aints Enteritis) AT E
7. Heat stress management



पोषिलो
कृषि तथा
पशुपंक्षी
स्रोत फार्म

Location

 Gandaki, Kaski

Innovation Details

We've developed probiotics from local ingredients that benefit hosts by improving health. In recent years, this has gained attention in Nepal, promising to enhance livestock health, productivity, and the agricultural sector.

Our locally made probiotics strengthen relations between Nepali farmers, processors, and consumers by ensuring fair pricing, quality control, and market access. By using local herbs, our medicines empower farmers, potentially boosting Nepal's agriculture economically.

These probiotics ensure safe food production, reduce livestock diseases, and discourage antibiotic use, promoting sustainable agricultural practices. They enhance meat, egg, and dairy quality, reduce antibiotic dependency, and support Nepal's agricultural system.

Company PAN
616527638

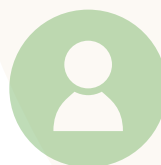
Previous grants

none

Company Representative

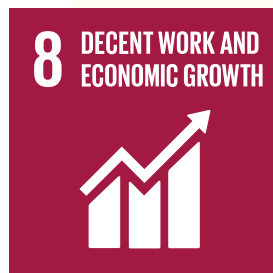


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Susmita Bhujel
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**Focused
SDGs**





SCAN ME



Farming



4 Employees

Operational since: 1-2 years

About the Company

The main agricultural products from Nepal include Marsidhan, Kalimarsi, Jumli Simi, and various crops like Syau, Okhar, potatoes, Fapar, Chino, Kagulo, and Kodo. Processed products range from chana, juice, cider, and jam from Syau to chips from potatoes. Herbs such as Paanchaule, Jatamasi, Hyad, and Kesar are also cultivated. Livestock products feature wool, sweaters, and caps from sheep and goats. Handicrafts like Dhokonamle, Supo, Chhapri, Theki, Dumchyaako, and Bechhato are also significant. Key activities include promoting organic farming techniques, advancing Climate-Smart Agriculture practices, promoting plastic-free paper branding, coordinating production and marketing with rural communities, mitigating climate change impacts, creating self-employment opportunities, and conserving traditional arts and crafts.

Location

 **Karnali, Jumla**

Innovation Details

1. Climate change action: Implementing CSA and organic farming reduces greenhouse gas emissions, aiding in climate change mitigation.
2. Product branding and market access: Promoting plastic-free paper branding and Jumla-made goods as 'Himalayan superfoods' targets international markets for high demand.
3. Empowering small farmers: Providing fair market access and economic opportunities through CSA knowledge via websites and apps enhances small farmers' capabilities.
4. Organic production promotion: Using organic methods ensures healthy production of vegetables, fruits, and flowers, benefiting consumer health.
5. Rural entrepreneurship: Marketizing handicrafts and pottery boosts rural livelihoods and entrepreneurship.
6. Community integration and development: Coordinating projects with communities supports local seed development, awareness, and employment creation, reinvesting profits in education, health, and sustainable development.
7. Sustainable initiatives: Programs for herbal plants and tree plantation ensure environmental conservation and product security.

Company PAN
609860364

Previous grants

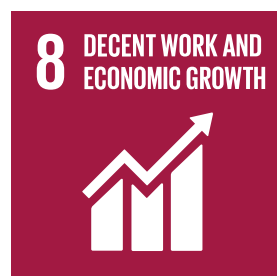
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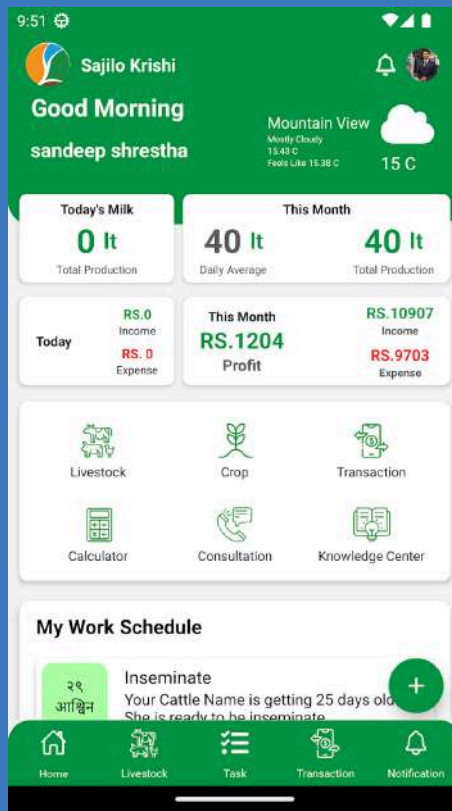
Company Representative



Tirtha Raj Devkota
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Focused SDGs





LIVESTOCKMODULE
CROP MODULE
TRANSACTION
CONSULTATION



Agri-Tech



7 Employees

Operational since: less than 2 years

About the Company

Agrobotics Nepal Pvt. Ltd. is an agritech startup revolutionizing global agriculture with its flagship product, Sajilo Krishi. This comprehensive farm management platform empowers farmers in Nepal and beyond by streamlining operations and boosting productivity sustainably. It features livestock and crop management tools for effective breeding, health tracking, pest control, and yield optimization. Additionally, it facilitates transaction and inventory management, ensuring financial transparency and resource efficiency. Task alerts and educational modules on modern farming techniques further enhance farmer capabilities. Collaborating with local communities and government bodies, Agrobotics Nepal aims to elevate farmer livelihoods through advanced agricultural technology.



Location

 **Bagmati, Lalitpur**

Innovation Details

1. Food Security and Productivity Enhancement:
2. Increases crop yields through precise farming techniques.
3. Provides tools for planting schedules, pest control, and nutrient management
4. Climate Change Adaptation
5. Offers real-time weather updates and climate forecasts.
6. Promotes climate-friendly farming practices such as water conservation and sustainable crop rotation.
7. Financial Inclusion and Stability:
8. Simplifies financial transactions and tracks income and expenses.
9. Provides financial insights and access to credit and insurance services.
10. Knowledge and Skill Development.
11. Offers educational resources like video tutorials and articles.
12. Keeps farmers updated with the latest agricultural techniques and technologies.
13. Resource Management.
14. Ensures optimal stock levels of inputs like seeds, fertilizers, and pesticides.
15. Assists in managing water resources and reducing input costs.

Company PAN
609796638

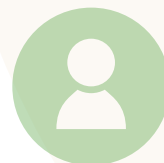
Previous grants

None

Company Representative

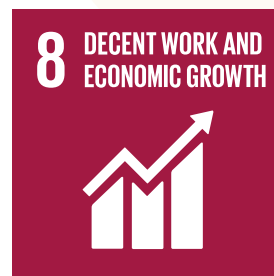


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Bibhusha Basnet
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9847497098

Focused SDGs



REVERSE VENDING MACHINE NEPAL PVT LTD



SCAN ME



Agri-Tech



6 Employees

Operational since: 3-4 years

About the Company

RVM Nepal is a pioneering organization dedicated to providing innovative and sustainable energy solutions across Nepal. Our mission is to drive energy efficiency and support the development of robust cold chain transportation systems to enhance the agricultural value chain and improve the overall economic landscape of the region.



Location

 **Bagmati, Kathmandu**

Innovation Details

1. Our Services
2. 1. Energy as a Service (EaaS)
3. - We offer comprehensive energy solutions tailored to the specific needs of our clients, including renewable energy integration, energy management, and optimization services. Our EaaS model ensures that clients achieve significant energy savings while reducing their carbon footprint.
- 4.2. Cooling as a Service (CaaS)
5. - Our Cooling as a Service offerings include the design, installation, and maintenance of energy-efficient cooling systems for various applications, particularly in the agricultural sector. We utilize advanced technologies like Thermal Energy Storage (TES) with Phase Change Materials (PCM) to enhance the efficiency and reliability of cold storage facilities.
- 6.3. Cold Chain Transportation Support
7. - We provide end-to-end solutions for cold chain logistics, ensuring that perishable goods are transported under optimal conditions. Our services include refrigerated transportation, monitoring systems, and logistical planning to maintain the quality and safety of goods from farm to market.

Company PAN
609742660

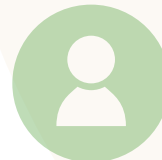
Previous grants

None

Company Representative

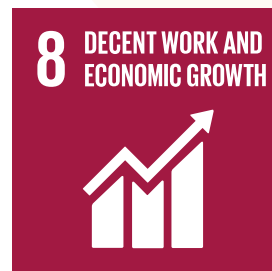


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Focused SDGs



घाम इनर्जी फाउण्डेसन



SCAN ME



Agri-Tech



6 Employees

Operational since: 3-4 years

About the Company

Gham Energy Foundation is a company promoting solar energy and digital agriculture services in Nepal. Established in 2019, the foundation started by installing solar pumps and solar panels as energy sources for agricultural enterprises, targeting remote and small-scale farmers. In 2020, to enhance productivity, it began offering agricultural consultancy services along with solar energy. This included on-site training and SMS services using the IoT-based Gham Power Agriculture Meter.

During the COVID-19 pandemic in 2020, when on-site training was challenging, the foundation provided online training to over 5,000 farmers through 25 different training sessions, enhancing their technical agricultural skills. This service was later opened to all farmers. Considering the participation and activity of farmers, the Super Krishak digital service was launched in August 2022.

Super Krishak provides various digital services tailored to farmers' needs, including online agricultural training with digital certification, accessible agricultural information and knowledge, soil testing, calculators for various farming calculations, AI-based disease identification and solutions for over 800 diseases of 53 crops, satellite-based monitoring of crop health and irrigation status, and a 7-day weather forecast through the Krishi China service. Additionally, it offers market information, weather updates, crop selection, and smart tips via chat. Currently, over 25,000 farmers are utilizing these services.



Location

 Bagmati, Kathmandu

Innovation Details

1. In Nepal, a single agricultural technician serves over 1,300 farmers, highlighting the lack of accessible agricultural information, training, and services. This gap makes extending services costly and raises questions about their effectiveness in boosting productivity. Government, non-governmental, and private organizations are working to digitize agriculture, but current digital services have not met expectations due to reliance on multiple apps, inactive services, and lack of updates.
2. To address these issues, Super Krishak was launched, offering comprehensive digital solutions for farmers and agricultural service providers. The app delivers advanced services like Agri Doctor, Agri China, and Farmer Network, enhancing individual farmer capacity, providing immediate problem resolution, minimizing potential losses, and reducing costs. It also facilitates communication between technicians and farmers for timely information exchange and improves productivity. By using collected agricultural data, Super Krishak helps service providers understand their farmers better and decentralize services, reducing costs and increasing effectiveness

Company PAN
609522015

Previous grants

None

Company Representative



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Focused SDGs



EVEREST FRUITS CO. PRIVATE LIMITED



SCAN ME



**Organic
Farming**



15 Employees

Operational since: 1-2 years

About the Company

Everest Fruits is a pioneering enterprise in the fruit production and processing industry, committed to producing high-quality fruits while adhering to the highest standards of quality and sustainability. Guided by Good Agricultural Practices (GAP) and post-harvest techniques recommended by the Food and Agriculture Organization (FAO), our fruits are healthy, nutritious, and free from chemical residues. We cultivate a variety of fruits using sustainable farming practices, optimizing water use through drip irrigation, and protecting biodiversity. Post-harvest, we employ meticulous techniques such as hand-picking, physical de-sapping of mangoes, and hot water treatment to maintain fruit integrity and reduce spoilage. Our disease management includes regular monitoring and safe treatments to ensure our fruits remain high-quality from farm to table. Beyond fresh fruits, we process them into value-added products like purees, dried fruits, fruit crushes, and jams. We also modernize conventional farming practices with the latest technologies, including Ultra-High Density Plantation (UHDP) of mangoes and drip irrigation systems to make farming more sustainable. Additionally, we provide training and consultations for farmers on GAP, post-harvest handling, disease management, and sustainable techniques. Everest Fruits is dedicated to revolutionizing the fruit industry through sustainable practices and advanced technologies, offering consumers the best fruits and fruit-based products while contributing to a healthier planet.



Location

 **Madhesh, Saptari**

Innovation Details

Our vision is to revolutionize the fruit production and supply chain by focusing on post-harvest techniques that eliminate harmful chemicals and enhance consumer health and safety. This initiative addresses health concerns associated with chemical residues and significantly reduces fruit wastage and spoilage during critical stages such as harvesting, packaging, and transportation, contributing to food and water security. Sustainability is at the core of our vision, emphasizing natural pheromone-based traps to combat fruit fly infestations, organic compost and humus to enrich soil, and avoiding harmful chemicals like paclobutrazol and ethephon. By employing innovative post-harvest techniques such as hand-picking, sap neutralization, and hot water treatment, we minimize mechanical damage and prevent diseases like anthracnose and stem rot, extending the shelf life of fruits and decreasing spoilage rates. This improves food security by ensuring more fruits reach the market in good condition and conserves water resources. Our commitment to producing fruits free from harmful chemicals like ethephon and calcium carbide safeguards consumer health and enhances fruit quality and taste. In summary, our vision for the agri-food sector is to produce and process healthy, chemical-free fruits through advanced post-harvest techniques, protecting consumer health, reducing wastage, and promoting sustainable agriculture, ensuring a secure, efficient, and environmentally friendly food supply chain.

Company PAN
610222131

Previous grants

None

Company Representative



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9869078284

Focused SDGs





SCAN ME



Organic Farming



6 Employees

Operational since: 1-2 years

About the Company

AG Ventures, located at Karnali Pradesh Birendranagar-04, Surkhet, is a bio-fertilizer manufacturing farm recognized by USAID and Climate Smart Entrepreneurship for its innovative practices. Dedicated to organic farming and climate change adaptation, AG Ventures offers products such as vermicompost, vermiwash, jholmol, EM, and earthworms. The farm also provides seasonal and off-seasonal vegetables, dairy farming, floriculture, internship programs, hands-on experience training, and research programs. As a pioneer in sustainable agriculture, AG Ventures promotes organic farming and bio-fertilizers to enhance soil quality, increase productivity, and mitigate climate change. Their vermicompost and vermiwash are nutrient-rich organic fertilizers essential for plant growth, while jholmol and EM are microbial inoculants that improve soil fertility, nutrient uptake, and disease suppression, serving as excellent alternatives to chemical fertilizers and pesticides. Additionally, AG Ventures' training programs offer practical experience in sustainable agriculture, equipping participants with the skills needed for successful farming. Overall, AG Ventures is a promising initiative committed to promoting sustainable agriculture, improving soil health, and combating climate change.

Location

 Karnali, Surkhet

Innovation Details

AG Ventures addresses agricultural and food system challenges with a multi-faceted approach that prioritizes sustainability and community empowerment. By promoting organic farming and bio-fertilizers like vermicompost, vermishash, jholmol, and EM, they reduce reliance on harmful chemicals, protect soil health, and decrease environmental pollution. These bio-fertilizers enrich the soil, enhance microbial activity, and improve nutrient uptake by plants, leading to better crop health and higher yields, thereby boosting farmers' livelihoods and contributing to regional food security. AG Ventures also fosters knowledge and skills through training programs and hands-on internships, empowering individuals to adopt sustainable practices and fostering a collaborative learning environment. Additionally, their focus on year-round production of seasonal and off-seasonal vegetables ensures a consistent supply of fresh produce, stabilizes food prices, and improves access to nutritious food. By diversifying agricultural production with services like dairy farming and floriculture, AG Ventures helps farmers create additional income streams and become more resilient to economic fluctuations.

Company PAN
132708151

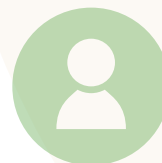
Previous grants

AG ventures has received 27 lakh of grant loan in Baishak 6 2081, without zero interest payment for 4 year from University Grants Commission (UGC) entrepreneurship support program under Nurturing Excellence in Higher Education Program. (framework 2021-2026 AD).

Company Representative

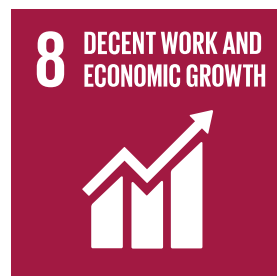


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thapamirata@gmail.com

Focused SDGs



KHAGRAJ KRISHI UDHYOG PVT. LTD.



SCAN ME



Farming



6 Employees

Operational since: 1-2 years

About the Company

Khagraj Krishi Udhyog Pvt. Ltd. has been cultivating for about 2 years. The Company owns and operates a climate-controlled greenhouse in Teraute Tole, Ghorahi, Dang, Lumbini Province. The size of the greenhouse is 3,072 square meter (33K square feet or 0.76 acres). The current crop under cultivation is color capsicums – red & yellow. The Company has had two successful seasons under its belt. The first season was FY79/80 (2022/23) and the Company is close to completing its second season FY80/81 (2023/24). The crop cycle is a 12-month cycle which runs from Shrawan (mid-Jul to mid-Aug) (planting of seeds) to Asar (mid-Jun to mid-July) (last harvest) with the first harvest in Mangsir (mid-Nov) and continuing for about 8 months and the fruits are harvested every week for about 34 weeks. The fruits are currently sold in Kathmandu, Pokhara and Narayanghat. The fruits are packed at the greenhouse location and transported to these 3 locations in night buses.

In Nepal, color capsicums are cultivated only during the summer months (as rest of the year is not warm enough in Nepal) and the rest of the year the color capsicums are imported during these 8-months from either India and/or Thailand. The process of cultivation inside a greenhouse provides an ideal climate (temperature & humidity) with the combination with a precision irrigation (nutrition & water), enables a long-harvest cycle and the growing method is weather agnostic and climate-change resilient. Therefore, production during the “off-season” has enabled the Company to alleviate imports to some degree.

Location

 **Karnali, Surkhet**

Innovation Details

Khagraj Krishi Udhyog Pvt. Ltd. unique value proposition has been 1) enable direct-to-consumer (DTC) business model and 2) producing during off-season.

1) The Company currently transports and delivers the product to its customers (retailers & hospitality partners) to their doorstep. Previously, the status quo was traders & wholesalers picking up the produce from farmers' field. There is a lot of post-harvest loss in the process. In the status quo, farmers' seldom receive the fair price for their product and there is a huge gap between the value farmers' receive and the price consumers' pay.

2) The climate-controlled greenhouse enables production during the off-season which enables the Nepali consumers' to receive a product that is produced inside Nepal displacing import from India and/or Thailand.

Company PAN
609871762

Previous grants

None

Company Representative



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Focused SDGs

8 DECENT WORK AND
ECONOMIC GROWTH



11 SUSTAINABLE CITIES
AND COMMUNITIES



12 RESPONSIBLE
CONSUMPTION
AND PRODUCTION



HIBISCUS INTEGRATED AGRO FORM



SCAN ME



**Sustainable
Agriculture**



5 Employees

Operational since: less than 2 years

About the Company

Among the various fruit crops grown in Nepal, banana cultivation ranks third. Bananas are cultivated on 16,615 hectares of land with an annual average production of 278,890 tons. Despite banana cultivation, the banana pseudostems have not been utilized effectively. The lack of utilization of banana pseudostems has made waste management a significant challenge in Nepal. Considering this issue, we propose extracting fibers from banana pseudostems and using them to produce various useful items similar to cotton, thereby aiding in waste management. By converting waste banana pseudostems into useful products, we can support sustainable agriculture and boost the country's economy.

Location

 **Bagmati, Kathmandu**

Innovation Details

Not only can farmers earn money from banana fruits, but they can also make money from banana fibers and leaves, ensuring they don't incur losses. This can increase farmers' interest in banana farming rather than aversion. By utilizing the wasted banana pseudostems, we can provide double benefits to both farmers and the country. Utilizing locally produced banana pseudostems, we can also create job opportunities for local people. On the path to sustainable development, our first priority will be given to the Dalit community and women.

Company PAN
615176024

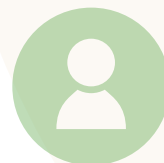
Previous grants

None

Company Representative

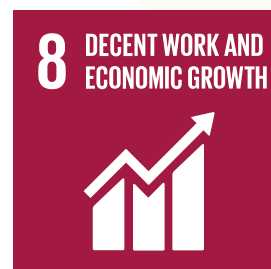


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Focused SDGs



THE GREEN VALLEY AGRI CULTURE



SCAN ME



**Sustainable
Agriculture**



3 Employees

Operational since: 1-2 years

About the Company

Green Valley Agriculture primarily focuses on producing vegetables through the safe food model and utilizing new technology to grow and distribute healthy vegetable seedlings. Our vegetable farming is conducted year-round, while seedlings are produced and sold in two seasons: Falgun, Chaitra, Baisakh, and Ashoj, Kartik, Mangsir. We use plastic trays and recycled plastic tea cups collected from tea shops, reducing production costs and promoting environmental cleanliness. Seedlings are grown using cocopit, vermicompost, trays, and cups, and then distributed to various Agribazar.com depots in Nepalgunj and Kohalpur, where 55 depots are set up for the upcoming season. The delivery process involves distributing seedlings from the nursery to each depot every morning and returning unsold seedlings in the evening for grading and resale. To raise awareness about the benefits of using healthy seedlings, we conduct seedling campaigns in schools, cooperative institutions, municipalities, wards, and main market squares. These campaigns advertise our business, sell seedlings, and provide free agricultural technical services, educating farmers and consumers on the benefits of healthy seedlings and how to identify them.

THE GREEN VALLEY AGRICULTURE

Location

 Lumbini, Banke

Innovation Details

Most farmers still adhere to traditional methods of farming and often lack knowledge about selecting the right seed varieties, understanding seed production and expiry dates, and knowing germination rates. This results in issues like seeds not germinating, fruits not developing, crops being prone to diseases, and flowers dropping prematurely. These problems also affect consumers growing vegetables in their kitchen gardens, leading to increased production costs and losses, with many kitchen gardens being left empty. Although seedlings are available in the market, they are often grown directly in soil, causing many to die before they can be planted at home. To address these issues, The Green Valley Agriculture produces healthy seedlings at reasonable prices and ensures their delivery to consumers through seedling depots in various locations. Our seedlings, produced using new technology, are easy to transport without wilting, benefiting both local and distant consumers. This helps reduce production costs and increase profits for both farmers and consumers, while also encouraging those engaged in kitchen and rooftop gardening.

Company PAN
111946585

Previous grants

None

Company Representative

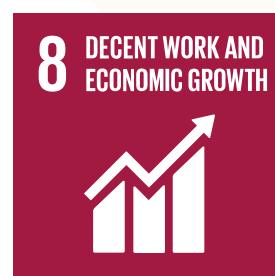


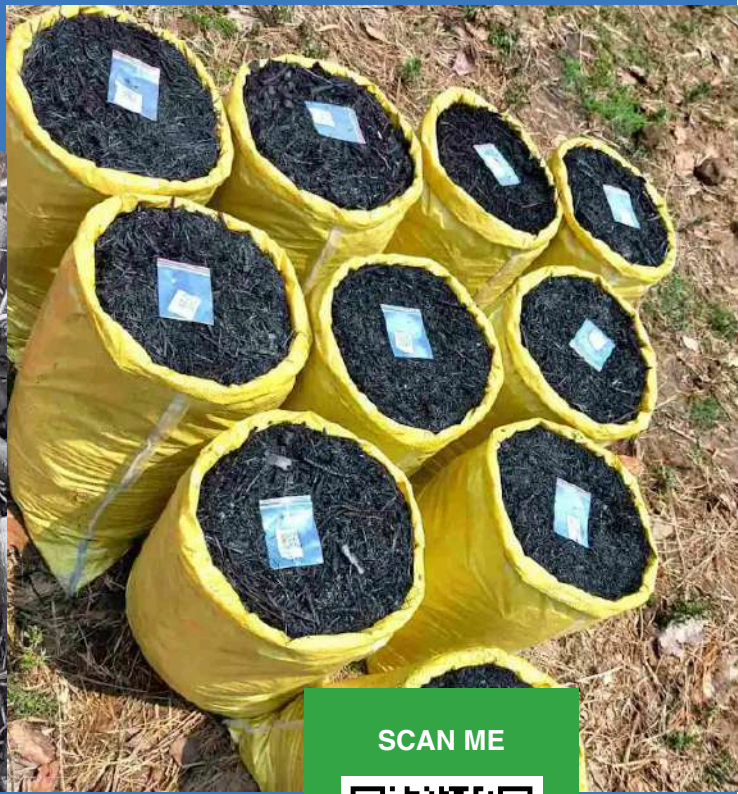
Yogesh Bahadur Singh
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Yogeshthakuri5868@gmail.com

Focused SDGs





SCAN ME



**Sustainable
Agriculture**



3 Employees

Operational since: 1-2 years

About the Company

PlantVillage Nepal Private Limited is dedicated to advancing climate-resilient agricultural management by transforming unused agricultural and forest biomass into biochar fertilizer through pyrolysis. This biochar enhances seed quality and crop growth, and is sold back to farmers, often with concessions based on their biomass contributions. Additionally, the company develops biological control agents, including parasitoids and entomopathogenic fungi, to manage pests like Fall Armyworm and borers in maize and rice, with plans to address a broader range of agricultural threats. By collecting biomass, producing biochar, and promoting eco-friendly pest management solutions, PlantVillage Nepal aims to improve agricultural productivity and tackle environmental challenges sustainably.

PLANT VILLAGE NEPAL PRIVATE LIMITED

Location

 Kathmandu, Bagmati

Innovation Details

Our innovative approach addresses critical issues in the agrifood system by focusing on soil health, waste management, and sustainable pest control. We transform agricultural waste, food loss, invasive weeds, and diseased plant parts into biochar fertilizer, which enhances soil health by reducing nutrient loss, increasing organic matter content, and sequestering carbon. This leads to higher productivity and sustainability. Our process converts biomass, which would otherwise be burned or dumped, into valuable biochar, preventing pollution and contributing to a cleaner environment. We also offer biological control agents as alternatives to chemical pesticides, reducing reliance on harmful chemicals and mitigating their adverse effects on soil, the environment, and human health. By addressing all aspects of the agrifood system—soil, crops, and the environment—our sustainable practices ensure immediate improvements and long-term benefits for both the environment and human health, promoting a holistic improvement in agricultural practices.

Company PAN
610474154

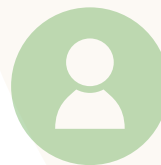
Previous grants

We have received fund from Current and Emerging threats to Innovation lab, USAID

Company Representative



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Prabha KC
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Focused SDGs

8 DECENT WORK AND
ECONOMIC GROWTH



11 SUSTAINABLE CITIES
AND COMMUNITIES



12 RESPONSIBLE
CONSUMPTION
AND PRODUCTION



**AGRI-
DIRECT**



SCAN ME



**Sustainable
Agriculture**



3 Employees

Operational since: 1-2 years

About the Company

Our business is dedicated to promoting sustainable agriculture by offering innovative solutions that enhance food security and positively contribute to the value chain. We support eco-friendly and efficient farming practices through various food and agricultural products, with the black soldier fly (BSF) being a standout offering. The BSF larvae are rich in protein and fat, making them an excellent, sustainable source of animal feed for pigs and poultry, reducing the need for imported protein sources. Additionally, BSF larvae help manage organic waste by converting food waste into valuable nutrients, lowering landfill waste and greenhouse gas emissions. We have developed and tested a prototype system and propose setting up BSF farming hubs in different communities to recycle organic waste and produce protein-rich larvae, creating a circular economy. By integrating BSF into our agricultural practices, we aim to improve food security, create economic opportunities, and reduce environmental impact, driving positive change in the agri-food sector for a sustainable future. Our main activities involve developing and promoting sustainable agricultural solutions like the BSF to enhance food security, manage waste, and support local economies.



Location

 **Kathmandu, Bagmati**

Innovation Details

Our innovative idea focuses on utilizing black soldier fly (BSF) larvae to address critical issues in the agri-food sector, including protein scarcity, bio waste management, and the high cost of livestock feed. Grounded in scientific research, BSF larvae offer exceptional nutritional value, containing up to 42% protein and 35% fat. Incorporating BSF larvae into animal feed, particularly for pigs and poultry, significantly reduces reliance on imported protein sources, enhancing food security by creating a self-sufficient supply chain and lowering feed costs. This results in healthier and more affordable meat products for consumers. Additionally, our solution tackles environmental challenges associated with bio waste. Black soldier flies efficiently convert organic waste into valuable biomass, reducing landfill usage and lowering greenhouse gas emissions, contributing to sustainable and safe food practices. We have already developed and tested a prototype, demonstrating the practical benefits and feasibility of this approach.

Company PAN
610474154

Previous grants

None

Company Representative



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9843803715

**Focused
SDGs**

