



BIO PLANET TMC Ltd

Annual **impact** report 2024

We are farmlands restoration company;
women and indigenous small-scale
farmers' choice !

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Christian Adoh
CEO, BIO PLANET TMC Ltd

Message From General Management

Dear partners, customers, collaborators, and friends of **BIO PLANET TMC Ltd**, It is with great pleasure that I send you this message on behalf of the entire management team. The past year has been marked by unprecedented challenges, but also by remarkable achievements, consolidating our mission to transform Benin's agriculture into a model of sustainability and prosperity. We are proud to share our progress and vision for the future.

Summary of the Year's Achievements

Since our official launch on January 1, 2024, BIO PLANET TMC Ltd has demonstrated an unwavering commitment to empowering farmers and protecting the environment. Here are some of our key achievements during the year:

Production and Validation of Our Product

We have finalized the development of our quality granulated organic fertilizer, made from biodegradable waste. Our field school trials have confirmed the effectiveness of the product, with a significant increase in crop yields. Also, our beneficiaries testify to this.

Satisfied beneficiaries

We reached 350 small-scale farmers, including 210 women, contributing to the restoration of their degraded farmland and improving their agricultural yields.

Environmental Impact

Through our recycling efforts, we have transformed more than 100 tons of biodegradable and non-biodegradable waste, reduced negative environmental impacts while improved soil fertility.

Job Creation and Capacity Building

Our activities have generated 4 direct jobs, 40+ indirect jobs and many indirect opportunities for the local communities of Pobè in Benin, thus promoting the economic development of the region.

Recognition and Strategic Partnerships

We have been invited to participate in several innovation forums and programs, strengthening our position as a key leader in sustainable agriculture in Benin.

Looking Ahead

As we look to the future, we are more determined than ever to accelerate our impact and achieve the ambitious goals we have set for our company growth.

Production and Expansion

We are aiming to produce more than 60,000 tons of granulated organic fertilizer by 2030, with plans to expand to other parts of Benin and West Africa.

Training and Social Inclusion

By 2030, we plan to train and empower 5,000 farmers, 70% of whom are women, by teaching them climate-resilient and environmentally friendly farming practices.

Sustainable Development

We are committed to recycling more than 100,000 tons of biodegradable and non-

biodegradable waste and restoring 10,000 hectares of degraded farmland by 2030.

Innovation and International Partnerships

We are actively working to establish collaborations with national and international organizations to amplify our reach and impact, while innovating gradually.

Creating Opportunities

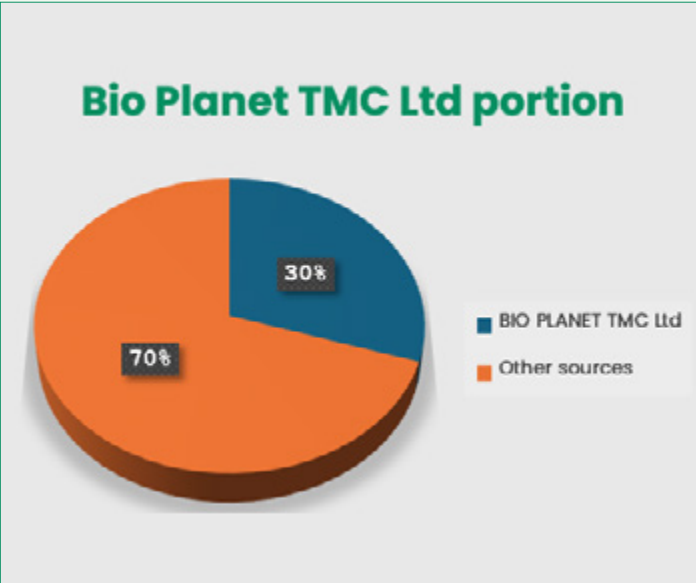
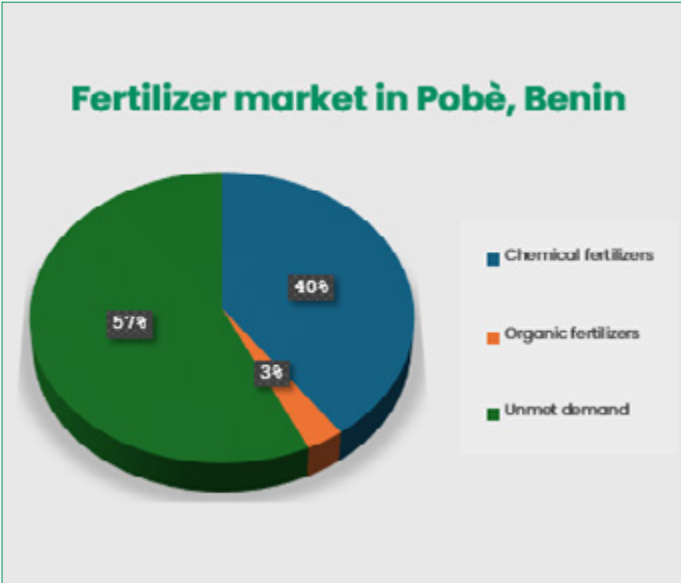
Through our initiatives, we aim to create 100 direct jobs and more than 2,000 indirect jobs, thus strengthening the economic fabric of rural areas.

Gratitude and Invitation to Collaborate

These success and ambitions would not have been possible without the unwavering support of our partners, investors, and employees. To each of you, we express our deep gratitude. Your commitment to us inspires our daily work and brings our vision to life. As we move forward together in this adventure, I invite you to continue to believe in our mission. Together, we can turn our region's agricultural challenges into opportunities for a sustainable and prosperous future. With my best regards.

What is the need

The fertilizer market in Benin is growing strongly, with an estimated demand of more than 855,950 tons in 2022, increasing by 11% in 2023. However, only 334,720 tons of chemical fertilizers are imported, which is less than 40% of the total demand. Organic fertilizers, while sustainable, remain underrepresented, covering less than 3% of national demand. Local demand in Pobè is high, reaching 35,000 tons per year, but much remains unmet due to high costs and limited access. BIO PLANET TMC Ltd plans to cover up to 30% of the local market, i.e. a production of 10,500 tons per year by 2030, before expanding further.



Company presentation

Mission, vision and values



Mission:

BIO PLANET TMC Ltd is committed to promoting sustainable agriculture by producing quality granulated organic fertilizer and disseminating environmentally friendly agricultural practices. Our main goal is to restore degraded land, improve food security, and reduce the impacts of climate change, while empowering rural communities, especially women, in their economic development. Our ambition is to become a leader of change, transforming the agricultural landscape of Benin and beyond into a model of resilience and sustainability.



Vision:

Our vision is to be a catalyst for agricultural transformation in West Africa.. We aspire to revolutionize local agriculture by offering innovative and accessible solutions to farmers, allowing them to increase their crop yields, restore soil fertility and adopt environmentally friendly practices. We aim to build a resilient and prosperous agricultural system for future generations, balancing ecological integrity and economic growth.



Values:

Sustainability

We focus on preserving the environment and restoring ecosystems and degraded farmlands through our granulated organic fertilizer and training farmers in environmentally friendly agricultural practices.

Innovation

We are constantly looking to develop new and effective solutions to agricultural challenges, especially in fertilization and waste management.

Empowerment

We focus on empowering rural communities, especially women, by providing them with the knowledge, skills and resources to improve their living conditions.

Equity

We believe in equal opportunities for all and work to promote gender equality and inclusivity in the agricultural sector.

Collaboration

We value partnerships with stakeholders who share our vision and seek to create common value for everyone involved.



Company history

BIO PLANET TMC Ltd was founded in August 2023 by a group of passionate and determined young entrepreneurs, united by the common desire to transform Benin's agriculture into a more sustainable and resilient system. The company was initiated from the personal experiences and commitment of its founders, in particular Christian Adoh, who, during his academic internship in 2022 in Pobè, witnessed the major challenges that local farmers were facing. Soil degradation and poor fertilizer quality were critical issues affecting agricultural productivity. This prompted the team to develop an innovative solution: the production of granulated organic fertilizer from biodegradable waste.

After a year of extensive research, product development, and pilot field testing, the company was officially incorporated to meet the huge need for eco-friendly agricultural inputs. BIO PLANET TMC Ltd is on a mission to offer innovative products and services aimed at restoring soil health, improving agricultural productivity and promoting sustainable agricultural practices within rural communities.

Organizational structure

BIO PLANET TMC Ltd is organized to foster innovation, collaboration, and efficiency. The company's structure includes several specialized departments that focus on product development, marketing, operations, and community engagement, including the Production Department, the Waste Collection Department, and the Administrative Affairs and Finance Department, all working synergistically to ensure that every aspect of the business is aligned with our mission and values.

Leadership Team

The management team of BIO PLANET TMC Ltd is made up of dynamic and committed young professionals with varied skills in the fields of agriculture, sustainability, business management and data science. These leaders bring complementary skills and experience, ensuring that the company can meet the multiple challenges related to the development of sustainable agriculture.



Christian Adoh: Chief Executive Officer

- Responsible for technical and financial partnerships.
- Oversees the management of the whole team and ensures the smooth running of operations.

Christian is a visionary leader in sustainability and social equity, with expertise in agribusiness. He is a Mastercard Foundation Alumnus Scholar and has received several awards for his innovations. His commitment to the empowerment of rural women and young entrepreneurs, as well as his experience in project management and transformational leadership, make him a key changemaker in Africa.



Rébecca Azongbe: Production Manager

- Oversees the organic fertilizer production process.
- Ensures product quality and availability in a timely manner.

A Mastercard Foundation Senior Fellow, Rebecca is a passionate innovator specializing in crop production and seed management. With a strong determination to promote women’s rights and girls’ education, she combines her skills in organic fertilizer production with social commitment. Her practical experience in composting and perennial plant management reinforces her essential role in BIO PLANET TMC Ltd’s mission, fostering innovation and sustainability.



Adéléké Ogoutchemi: Operations Officer

- In charge of operational procedures to promote efficiency.
- In charge of the management of raw materials for fertilizer production, develops sales and marketing strategies to reach the target market.

An Anzisha Prize Fellow and Alumnus Scholar from the Mastercard Foundation, Adéléké is a dynamic young entrepreneur with a passion for agriculture and community development. His background in Agricultural Sciences, combined with his commitment to social assistance, gives him strong project management skills. He excels in data analysis and is recognized for his ability to solve problems within a technological framework, supporting environmental sustainability.



Léopold Josias Tohoue: Administrative and Financial Manager.

- Ensures the financial management and administrative compliance of the company.
- Develops essential documents for the company’s operation and strategy.

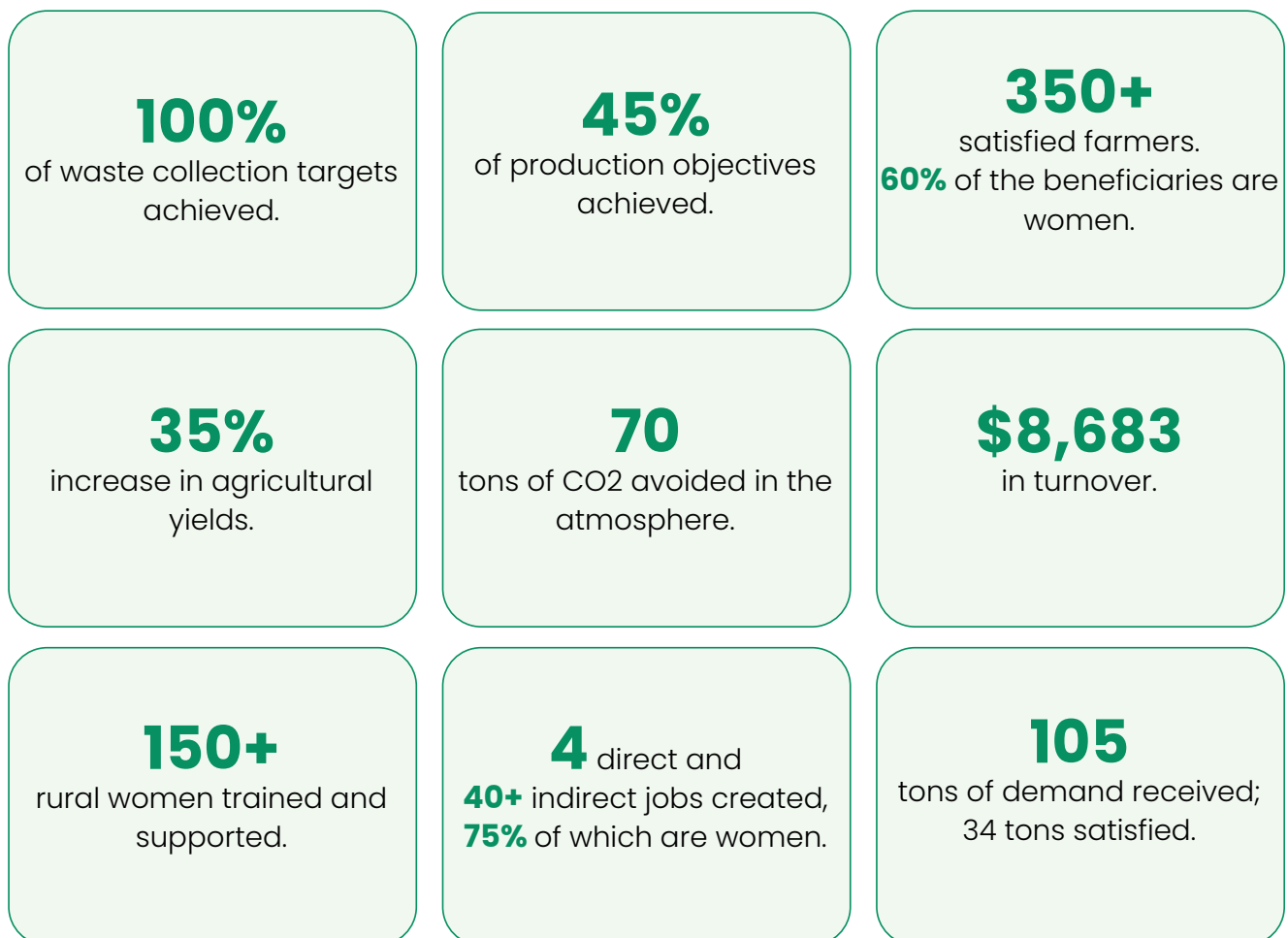
A Mastercard Foundation Scholar and Alumnus, Leopold is a young data analyst with a strong aptitude for computer tools, with a strong background in project management and strategic leadership. His mastery of accounting standards and his ability to leverage financial data to make informed decisions make him an essential asset to BIO PLANET TMC Ltd. His commitment to continuing professional development contributes to the achievement of the company’s objectives.

Summary of the 2024 management report

Analysis of the past year's activities

The year 2024 has been the one marked by many challenges for BIO PLANET TMC Ltd, although we have continued to be fully committed to achieving our production and sustainability goals. We had planned to collect 100 tons of biodegradable waste and produce 75 tons of granulated organic fertilizer, but due to various unforeseen difficulties, such as financial problems, lack of sufficient workforce, and technical challenges in the collection and production process, we managed to produce 34 tons of granulated organic fertilizer sold at \$12 each 50kg bag with 70 tons of dry biodegradable waste collected and 30 tons of non-biodegradable waste obtained after the sorting (exchanged with organizations specialized in their recycling based on a win-win partnership), i.e. a total of 100 tons, generating \$8,683 in turnover and reaching 350+ small-scale farmers of which 210 are women, with a total expenditure of about \$12,690 in initial investment. Despite this reduction in production targets, we have made every effort to maintain the quality of our product, thus meeting the expectations of our customers. We also maintained our efforts to expand our distribution network, in order to maximize the impact of our available production. We have managed to train and support 150+ women in environmentally friendly agricultural practices.

We have also created 4 direct and 40+ indirect jobs, 32 of which are women, i.e. 44+ jobs created.



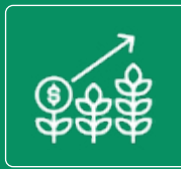


**What can we retain
from 2024**





100+
TONS OF WASTE
Collected and recycled



30%
ON AGRICULTURAL YIELD OF
Beneficiaries



34+
TONS OF FERTILIZER
Produced and distributed



500+
WOMEN
Have benefited from social inclusion



100+
HECTARES OF LAND
Under restoration



44+
JOBS
Have been created



150+
WOMEN
Have been trained



1%
ON LOCAL ECONOMY



350+
FARMERS
Have benefited from our
fertilizer



130+
FARMERS
Have registered their children.



1,500+
END CONSUMERS
Have benefited from a healthy
diet



70+
TONS OF CO2
Avoided



25%+
ON SAVINGS
For beneficiaries



50,000+
RESIDENTS
Have benefited from a healthy
environment

100+ TONS OF WASTE Collected and recycled

This year, BIO PLANET TMC Ltd collected more than 100 tons of biodegradable and non-biodegradable waste, a key milestone in our contribution to environmental sustainability and public health in Pobè, Benin. Waste was mainly collected in public spaces, including markets, public squares, and urban areas where it was often abandoned. Among the main types of waste collected are food residues (such as fruit and vegetable peelings), palm kernel waste, as well as dead leaves and other organic matter from local activities.

In addition to the free collection of waste found in nature, we have also purchased certain types of organic materials that are essential for composting. These materials include poultry droppings, cow dung, cassava peelings, snail shells estimated at 10 tons, and 25 liters of cow urine, which play a crucial role in activating and accelerating biological composting processes and the quality of the fertilizer produced.

Once collected, all waste is transported to our treatment site located in Pobè to be sorted. Sorting is an essential step to remove non-biodegradable waste and ensure the quality of our final product. On site, our specialized teams carry out careful manual sorting, separating biodegradable waste from non-compostable materials, such as plastics and metals, which are then exchanged with the organization specialized in their recycling based on win-win partnership.

The sorted organic matter is then integrated into a rigorously controlled composting process.



34+ TONS OF FERTILIZER Produced and distributed

01. FERTILIZER PRODUCTION

The production of the 34 tons of granulated organic fertilizer followed a rigorous process, with each step designed to maximize the quality of the final product while adhering to strict environmentally friendly practices. The whole process takes approximately three (03) months, with key improvement in the coming production cycles.

Windrowing:

The process begins with swathing, an essential step that involves arranging biodegradable waste in long rows or windrows. Before this stage, hard waste (such as snail shells, some bark, and other woody materials) is grinded to facilitate its degradation. Once shredded, the waste is divided into windrows according to its degree of decomposability. Less decomposable materials (such as stronger pieces of organic matter) are placed at the bottom of the windrow, while more easily degradable materials (such as poultry droppings, food scraps, cassava peelings) are placed at the top. This arrangement allows for faster degradation of highly decomposable materials at the top, creating the heat needed to help break down the stronger materials at the bottom.



Maintenance by Watering:

Watering is a crucial step in maintaining the optimal moisture level in the windrows. Too little humidity will slow down decomposition, while too much humidity can cause mold. Composting is done through the action of microorganisms that require moisture to break down organic matter. Therefore, the windrows are watered regularly at regular intervals to ensure good biological activity and uniform composting.



Compost Turning:

Composting is an aerobic process that requires air to be effective. For this reason, windrows must be turned in a controlled manner. Controlled turning allows oxygen to be reintroduced into the windrows, which promotes the action of aerobic microorganisms. In addition, this operation ensures that the decomposing materials are well mixed, which speeds up the overall composting process. Turning windrows also prevents the formation of oxygen-free air pockets that would slow down the degradation of the waste.



Compost Extraction:

Once the composting process is well advanced and the waste has turned into mature compost, the compost extraction is carried out. At this stage, the compost is black, crumbly and homogeneous, and contains virtually no decomposed organic matter. The windrows are therefore separated into mature compost and residues that have not completely decomposed. These are returned to the composting process for further degradation. The mature compost is then extracted and transferred to the drying area.



Drying:

The next step is to dry some extracted compost. To ensure that the compost does not contain excessive moisture, it is spread in a thin layer on surfaces suitable for air drying. Natural drying allows the compost to lose some of its water while retaining its fertile properties. This process usually takes between 4 and 8 days, depending on the weather conditions, in order to reach an ideal humidity level for the next sieving step.



Sieving:

Once the compost is dry and its moisture content is reduced to about 10–15%, it is sieved to remove any impurities. Sifting involves passing the compost through a sieve to separate coarser pieces and other undecomposed residues. This process ensures that the final product will be uniform, of quality and free of any unwanted materials. Pieces that do not pass through the sieve are returned to the process to be composted again.



Granulation:

Finally, the last step in the production of organic fertilizer is granulation. The sifted compost is then subjected to a granulation machine after certain pre-treatments, which transforms the dry, sieved compost into granules. Our unique granulation process makes fertilizer odor-free with natural antiparasitic properties, easier to apply, store, and transport. It also controls the release of nutrients into the soil, making the fertilizer more effective for fertilizing crops, increasing water retention capacity for soils. The dry granules are then packaged in biodegradable bags suitable for distribution.



02. FERTILIZER DISTRIBUTION

For this first year of production, the distribution of granulated organic fertilizer was mainly influenced by the proximity of customers and their availability to come to our production site in Pobè.

Pobè Centre has made up most of our clientele. About **16 tons** of granulated organic fertilizer were distributed in this district, due to the immediate proximity and accessibility to the site. This has made it easier for local farmers to distribute, who have made up the largest share of our customers this year.

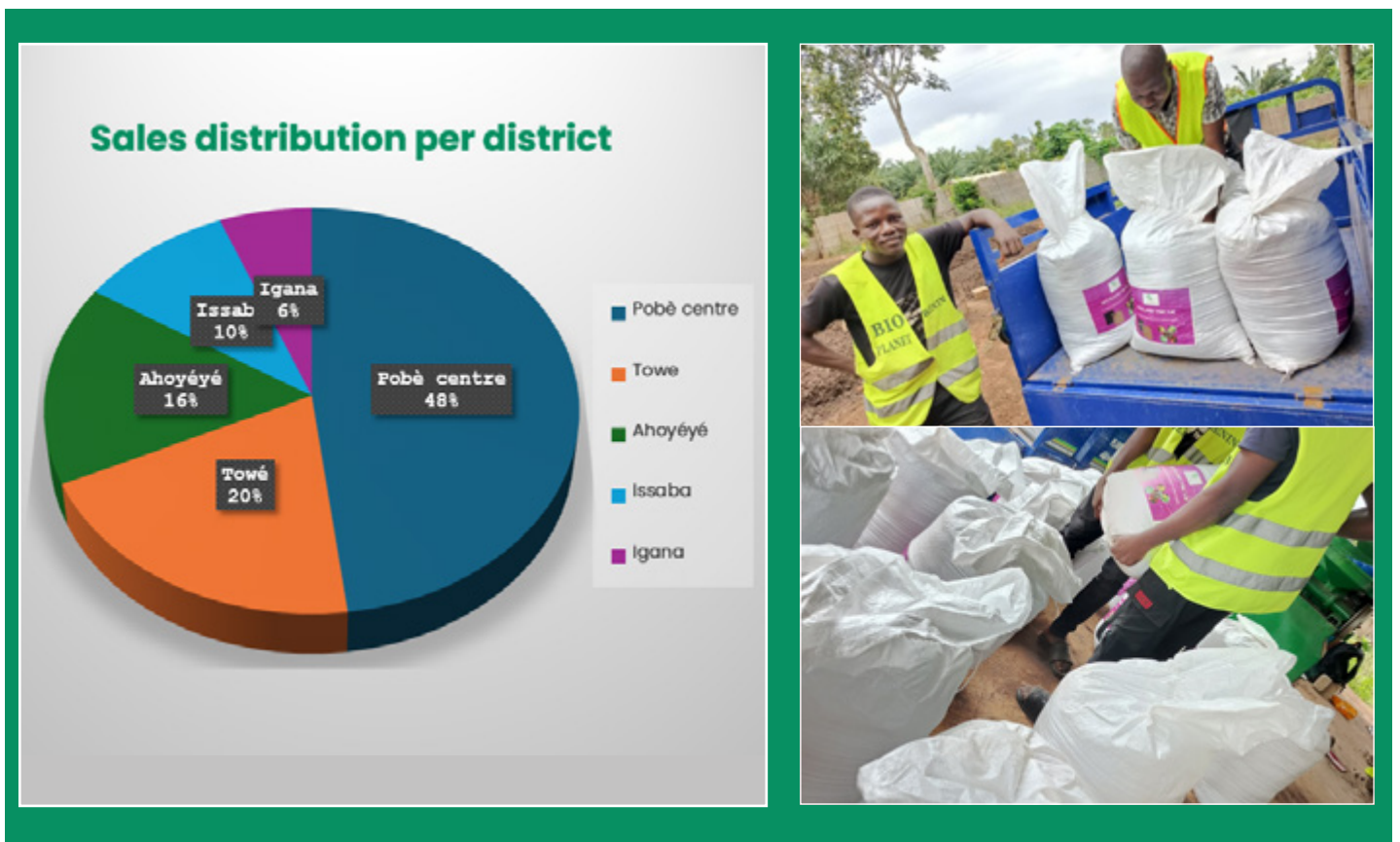
Towé received about **6.8 tons** of granulated organic fertilizer. Farmers in this district, although a little further away, have also responded to the offer, but in a less massive way than those in Pobè Centre.

Ahoyéyé benefited from **5.4 tons**, with a moderate number of buyers mainly from more rural but nearby areas.

Issaba received **3.4 tons** of granulated organic fertilizer. Demand in this district was lower, which led to a more targeted distribution.

Igana was the area with the lowest demand, receiving about **2.4 tons** of granulated organic fertilizer. Few farmers in Igana came to buy our granulated organic fertilizer this year

The distribution was therefore guided by the real demand from farmers and their ability to access our production site in Pobè, making Pobè Centre by far the main contributor to the purchase of our granulated organic fertilizer this year.



100+ HECTARES OF LAND Under restoration

As part of our farmland restoration initiative, a total of 100+ hectares are currently in the restoration phase. This distribution was made according to the volumes of granulated organic fertilizer purchased by farmers in the five districts of Pobè, and the impact of our trainings focused on sustainable agricultural practices. Since this year corresponds to our first phase of distribution of granulated organic fertilizer, the purchases were mainly made by farmers in the center of Pobè, which influenced the distribution of the areas being restored. Here is the distribution by district:

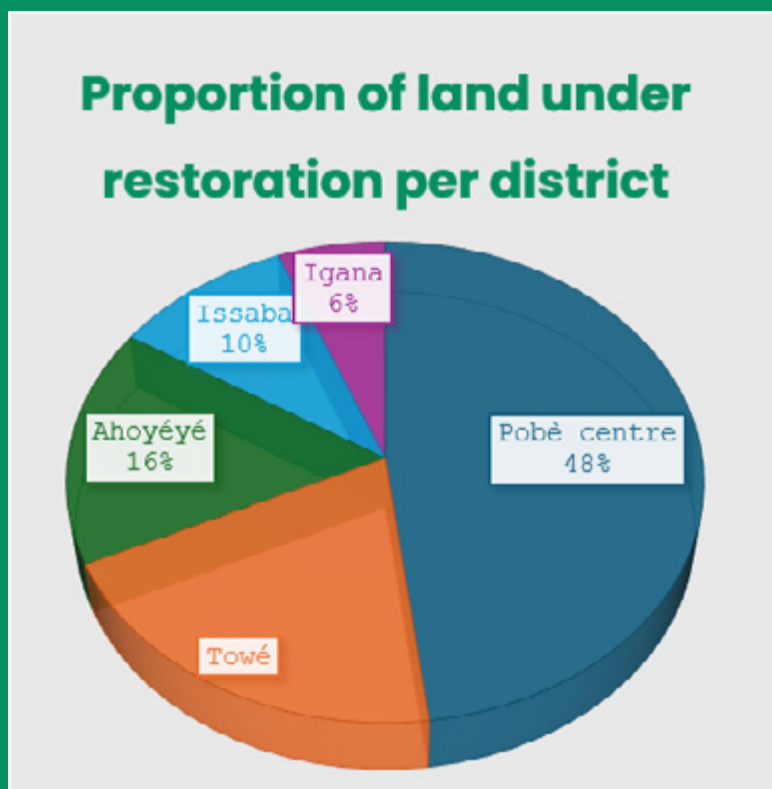
Pobè Centre: Due to the geographical proximity and the higher demand for fertilizers, **48 hectares** are being restored in this district, corresponding to 16 tons of granulated organic fertilizer distributed and 50 women trained in sustainable agricultural practices.

Towé: Having benefited from 6.8 tons of granulated organic fertilizer and 36 women trained in sustainable agricultural practices, this district has seen **20 hectares** of land restored, with sustained demand despite a slight distance from the production site.

Ahoyéyé: Farmers in this district have acquired 5.4 tons of granulated organic fertilizer and 28 women have been trained in sustainable agricultural practices, and about **16 hectares** of land are being restored to meet their agricultural needs.

Issaba: This district has purchased 3.4 tons of granulated organic fertilizer and where 20 women are trained in sustainable agricultural practices and has been allocated **10 hectares** for the restoration of its agricultural land.

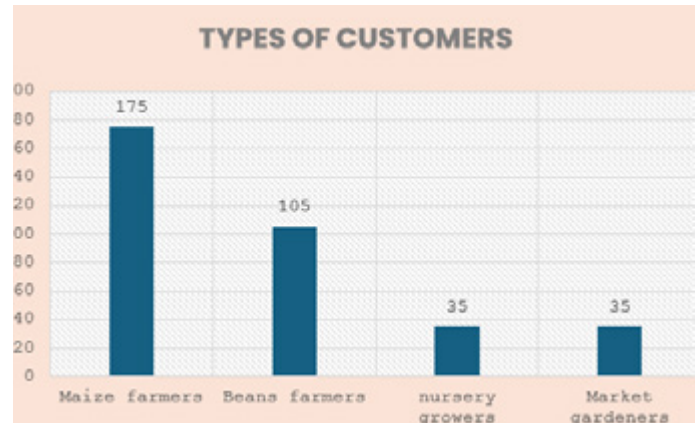
Igana: With a relatively lower demand, 2.4 tons of granulated organic fertilizer have been distributed in this district and 16 women trained in sustainable agricultural practices, and about **6 hectares** are allocated for restoration.



350+ Farmers Have benefited from our fertilizer

01. THE DIFFERENT CROPS GROWN

In our first year of production and distribution, we served a total of 350 farmers in the 5 districts of the municipality of Pobè. These farmers have purchased the granulated organic fertilizer according to their specific needs according to the crops they grow.



Crop Types' Detail:

Maize farmers: The largest number of farmers, representing about 50% of the beneficiaries, or 175 farmers, were maize farmers. As this crop is predominant in the region, a large proportion of buyers have been maize farmers, who have used fertilizer to improve the quality and quantity of their crops.

Bean producers: About 30% of farmers, or 105 farmers, were bean producers. The fertilizer was used to optimize yields of this legume crop, which is essential for local nutrition and crop rotation in the region.

Nurserymen: 10% of the beneficiaries, representing 35 farmers, were nurserymen, who used the fertilizer to stimulate the growth of seedlings and improve their development, thus contributing to the supply of seedlings for various agricultural crops to the region.

Market gardeners: Market gardeners made up about 10% of the beneficiaries (35 farmers), who used the fertilizer to improve the production of vegetables for local consumption, thus contributing to crop diversification and food security.



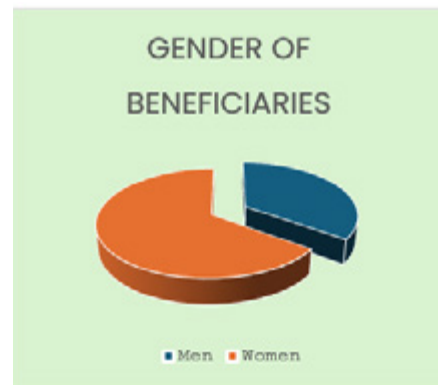
02. GENDER OF BENEFICIARIES

Considering the preponderance of women in subsistence agriculture in Pobè, 65% of the farmers benefiting from our granulated organic fertilizer were women. This reflects the socio-economic reality of the region, where women play a central role in subsistence agricultural activities. Here is the breakdown by gender:

Women (65%): 227 women farmers benefited from granulated organic fertilizer, largely for maize, bean and market gardening. These women, often responsible for food production with large distribution, have used fertilizer to improve their productivity and strengthen their food security.

Men (35%): 123 male farmers also bought our granulated organic fertilizer, mostly for maize and bean crops, which remain the main agricultural products in the Pobè region.

This distribution confirms the importance of gender inclusivity in the agricultural sector in Pobè, where women play an indispensable role not only in subsistence crops but also in the management of food



production for their communities. The granulated organic fertilizer has allowed these women to continue to improve the profitability and sustainability of their farms.

1,500+ END CONSUMERS Have benefited from a healthy diet

Thanks to our company, 1,500 end consumers have directly benefited from healthy and quality organic agricultural products. This is made possible by our commitment to providing quality granulated organic fertilizer to our partner farmers, allowing them to grow safer, chemical-free products. As a result, the products harvested by our farmers and distributed in the region are now more environmentally friendly and healthier for consumers.

This is the result of our commitment to sustainable agriculture, which focuses on reducing chemicals and pesticides, thus promoting healthy food products for local communities. In addition to ensuring better food quality, this also contributes to the long-term health of end consumers, while supporting agricultural practices that preserve biodiversity and soil fertility.

25% OF SAVINGS For Beneficiaries

The use of our granulated organic fertilizer has enabled farmers to achieve a 25% increase in income, mainly due to improved crop yields, which have increased by an average of 30% for maize and bean crops. This improvement has been accompanied by a significant reduction in costs related to chemical inputs, such as fertilizers and pest control treatments, thanks to the improved soil fertility. In addition, post-

harvest losses decreased, as strengthened crops showed better resistance to diseases and pests, maximizing the products sold. These factors combined contributed to increased profitability and improved overall economics for beneficiary farmers, allowing them to invest more in their farms and provide greater financial stability.

30% ON CROP YIELDS For Beneficiaries

From 2013 to 2023, agricultural yields of all crops, especially major crops such as maize and beans, showed a downward trend in the Pobè region, mainly due to progressive soil degradation and increasing infertility. Loss of organic matter and overexploitation of agricultural land have decreased productivity, despite limited efforts to improve agricultural practices.

For maize farmers, yields have fallen from 2.5 tons per hectare in 2013 to around 1.8 tons per hectare in 2023, a reduction of 28%. As for beans, yields fell from 1.5 tons per hectare in 2013 to 1 tonne per hectare in 2023, a 33% decrease due to soil degradation.

Improved yields after applying our fertilizer:

Maize: Before application (2023): 1.8 tons/ha
 After fertilizer application (2024): 2.3 tons/ha (over 30% compared to 2023)

Beans: Before application (2023): 1 ton/ha.
 After fertilizer application (2024): 1.3 tons/ha (over 30% compared to 2023).

The average yield of all our beneficiaries' crops surveyed before and after the use of our fertilizer increases from 2.8 tons per hectare in 2023 to 3.8 tons per hectare in 2024.

These gains were achieved through improved soil structure and nutrition, which promoted better water retention and availability of essential plant nutrients. The impact of fertilizer is particularly visible among farmers who have adopted this solution, helping to improve their yields and strengthen food security in the region. These results are a testament to the effectiveness of our fertilizer in improving agricultural productivity in Pobè, and the long-term benefits for local farms.



150+ WOMEN Have been trained

During the year 2024, we organized on-farm training for 150+ women farmers in the Pobè region, focusing on environmentally friendly agricultural practices and agricultural sustainability. The training was designed to raise awareness among participants about the importance of preserving the environment while improving their agricultural yields. We covered topics such as organic farming, sustainable soil management, water resource management, and the importance of biodiversity in agricultural production. The main objective was to strengthen the resilience of these women in the face of agricultural challenges while respecting local ecosystems. These sessions allowed women farmers to learn new skills, thus promoting sustainable agricultural practices that contribute to the reduction of environmental impacts. The participants showed great interest in integrating these new methods into their farms, demonstrating their willingness to actively participate in environmental protection while improving their agricultural productivity. In addition to the trainings, we have offered ongoing support to all our customers, including providing practical advice on fertilizer application and answering their questions about best agricultural practices to maximize yields. This monitoring was carried out by our technical team, who provided personalized advice to each farmer according to the crop and the specific needs of their land. The support also focused on optimizing the use of granulated organic fertilizer, explaining the best application techniques, the recommended quantities according to the type of crop, and the right times for application to ensure optimal uptake by the plants. This support has strengthened farmers' confidence in the use of our products and has contributed to the improvement of their agricultural yields,

particularly in maize and beans. We have seen positive results from this combined approach of training and ongoing support.



500+ WOMEN Have benefited from social inclusion

Our company has had a significant impact on the social inclusion of women by involving more than 500 women in its activities. Of our main beneficiaries who small-scale and indigenous farmers, more than 65% were women, a high proportion, as subsistence farming in Pobè is dominated by women. These women have participated in various initiatives, such as training in environmentally friendly agricultural practices, which has not only strengthened their autonomy but also their ability to actively participate in the local economy.

In addition to the direct impact on agricultural activities, our company has created jobs, 75% of which have been held by women. These jobs have enabled rural women to find opportunities in the production, sale and distribution of our agricultural products. Of the 44+ jobs created, 33 were held by women, with ages ranging from 18 to 35, thus promoting the inclusion of young people in a traditionally male-dominated sector.

44+ JOBS Have been created

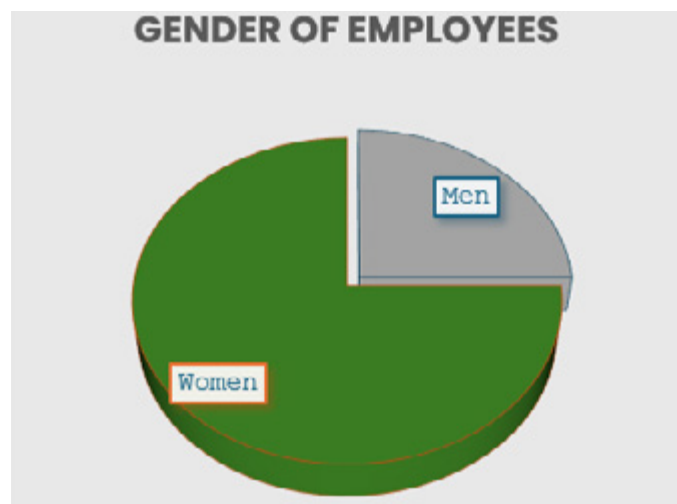
As part of our collection, production of organic fertilizer and distribution activities, we have created 44 jobs, including 4 direct jobs and over 40 indirect jobs. Of these employees, 75% are women, underlining our commitment to women's inclusion and empowerment, a key sector in subsistence farming in Pobè.

Direct jobs are filled by people assigned to tasks such as managing collection sites, fertilizer production, and distribution, while indirect jobs are for temporary workers involved in peripheral activities, such as logistics, waste collection and treatment, and farmers training. The employees are between 18 and 35 years old, with most young people, making it possible to combine the energy and technical skills of the younger ones with the talents and experience of the older ones. This generational diversity is a major asset for the growth and innovation of our company.

In addition, these women have access to healthy organic products, which has helped improve their quality of life and food security. These efforts have helped promote a better integration of women into modern and sustainable agriculture, while providing them with employment opportunities and autonomy in a society where women are often relegated to the back ranks. In doing so, the company has created an enabling environment for gender equality and the empowerment of rural women, contributing to the economic and social development of the region

65%+ OF WOMEN AT THE HEART OF BIO PLANET TMC LTD!

Thus, these jobs create a significant social impact by strengthening the local economy, providing work opportunities for youth and women, and contributing to the community's resilience to agricultural and environmental challenges.



1% ON LOCAL ECONOMY

The impact of our company on the local economy of Pobè is significant, with an estimated contribution of about 1% of the regional economy. This contribution is the result of several factors, including improved agricultural productivity, increased incomes for local farmers, and job creation.

By providing organic fertilizers and introducing

sustainable farming practices, our company has enabled more than 350 farmers in Pobè to increase their yields, reducing agricultural losses and increasing the production of crops such as chili, tomato, maize and beans. This has had a direct effect on farm incomes, which are a key source of the local economy.

130+ Farmers Have registered their children.

Thanks to the direct impact of our granulated organic fertilizer and the sustainable farming practices provided by our company, more than 130 farmers in Pobè have been able to improve their crop yields, resulting in an increase in their incomes. These improvements have had a tangible impact on their daily lives, including their ability to meet their family and social needs.

Indeed, thanks to the increase in their yields and the stability of their production, these farmers were able to generate additional income that was used for essential expenses, such as enrolling their children in school and buying the necessary school supplies. As access to quality education is crucial for the future prosperity of their children, this development has contributed to improved family well-being and a strengthening of social solidarity in the region.

The improvement in farmers' economic conditions has therefore made it possible

to take better care of family expenses, with particular attention paid to children's education, a key factor in long-term development. This demonstrates the indirect but significant impact of our company on the social and economic well-being of farming families in Pobè.

Thus, the indirect influence of our company on society includes the enrolment of children and their retention in school.



70+ TONS OF CO2 Avoided

As part of its recycling activities, our company has contributed this year to the significant reduction of CO2 emissions into the atmosphere by processing more than 100 tons of biodegradable waste and non-biodegradable one. Indeed, according to standardized estimates, recycling each kilogram of waste avoids more than 700 g of CO2. Based on this estimate, the recycling of more than 100,000 kg of waste has avoided the emission of more than 70 tons of CO2.

More than 70 tons of CO2 avoided, underlining our commitment to environmental sustainability

and waste management. This significant reduction in the carbon footprint contributes to the preservation of the local environment in Pobè and Benin, while supporting global climate change goals and providing a healthy environment for the people of Pobè.

This result demonstrates the direct impact of our approach to collecting and recycling biodegradable waste, which plays a crucial role in reducing greenhouse gases and protecting biodiversity. Through our efforts, we are actively participating in the transition to a greener and more sustainable circular economy.

50,000+ residents Have benefited from a healthy environment

In 2024, BIO PLANET TMC has made a significant contribution to the preservation of Pobè's environment, directly benefiting more than 50,000 residents. Through a biodegradable waste collection and recycling program, we have managed to collect more than 100 tons of biodegradable and non-biodegradable waste. This process prevented the accumulation of waste on the streets, reducing visual pollution and soil contamination, while improving air quality by reducing greenhouse gas emissions, including carbon dioxide (CO2).

Recycling waste has prevented the emission of more than 70 tons of CO2 into the atmosphere, contributing to the fight against climate change and improving air quality in Pobè. This reduction in CO2 emissions has a direct impact on public health, by reducing the risk of respiratory and cardiovascular diseases caused by air pollution.

In addition, the use of organic fertilizers produced from these wastes has helped restore soil fertility, reducing the need for chemical fertilizers. This action has a positive long-term impact on local biodiversity, preserving soil quality and supporting the growth of healthier and more diverse vegetation.

Thus, through our recycling and waste management efforts, we have not only contributed to a cleaner environment in Pobè, but also strengthened the ecological sustainability of the region, reducing its carbon footprint and promoting a better quality of life for its inhabitants.





**AND HOW WERE
THE IMPACTS
COLLECTED**



To collect the impacts achieved by our innovation, several methods have been put in place to accurately measure the effects on the environment and the community in Pobè. Here's how we did it :

Tracking and collecting waste data:

We have a system in place to track the waste collected. This year, more than 100 tons of waste were collected, treated and recycled. Each ton collected is recorded with details of the origin, quantity and type of waste. This monitoring allows us to accurately quantify recycled waste and calculate CO2 emission reductions, using standard models and coefficients to estimate environmental impacts.

Monitoring of agricultural yields:

Farmers who used our granulated organic fertilizer were closely monitored. We collected data on agricultural yields before and after the use of our products (maize, tomatoes, peppers, nurseries, vegetables and beans). This information allowed us to see an average increase of 30% in yields, which was corroborated by field surveys and interviews with beneficiaries. Monitoring was carried out based on regular reports from farmers and field visits by our technical team.

Surveys and testimonials:

We conducted surveys among farmers, end consumers and community members to assess the impact of our actions on

their daily lives. These surveys collected data on the reduction of health care costs through the consumption of organic products, as well as on the improvement of living conditions related to the use of sustainable agricultural products.

Analysis of avoided CO2 emissions:

The calculation of avoided emissions was carried out using standard coefficients that associate the amount of waste recycled with a reduction in CO2 emissions. For every ton of biodegradable waste recycled, we used the formula that states that 1 kg of non-recycled waste generates around 700 g of CO2. Thanks to this method, we estimated that recycling 100 tons avoided the emission of 70 tons of CO2.

Tracking community investments:

We also tracked the economic impact of the benefits generated by our actions, such as increasing farmers' incomes, their ability to invest in education and healthcare, and creating local jobs. This data was collected through financial reports and interviews with beneficiaries.

These approaches have allowed us to collect and structure the impacts in a precise way, guaranteeing the reliability of the results presented in our annual impact report. This demonstrates the effectiveness of our strategies to improve the environment and quality of life in Pobè, while ensuring sustainable development for the region.

What do our direct and indirect beneficiaries say ?



Rebecca Bara, a woman farmer

Rebecca Bara, 36, is a farmer from the town of Pobè, specializing in the production of maize and tomatoes. She is one of the beneficiaries of our sustainable agriculture training and support program, having used our granulated organic fertilizer for the first time in 2024. Before finding BIO PLANET TMC Ltd, Rebecca struggled to obtain satisfactory yields because of the degradation of her soils, and the maize and tomatoes are also often of poor quality.

Let's hear from Rebecca:

« Before using this granulated organic fertilizer, my fields were very low in nutrients, and my yields decreased, significantly. This year, thanks to the organic fertilizer provided by the company, I have seen my yields increased by 35%. In addition, I saved on the chemical treatments I had to buy every year to fight pests. My customers are just making more and more calls and asking for tomatoes at my house, I can't meet the demand. This allowed me to invest in my children's education. I think I'll sow more acreage next year, even though on the lease to increase tomato production, demand is high for it. I am so grateful to benefit from the guidance and granulated organic fertilizer of BIO PLANET TMC Ltd which is truly changing the lives of farmers like me. »



Akande Arenidjo, end consumer:

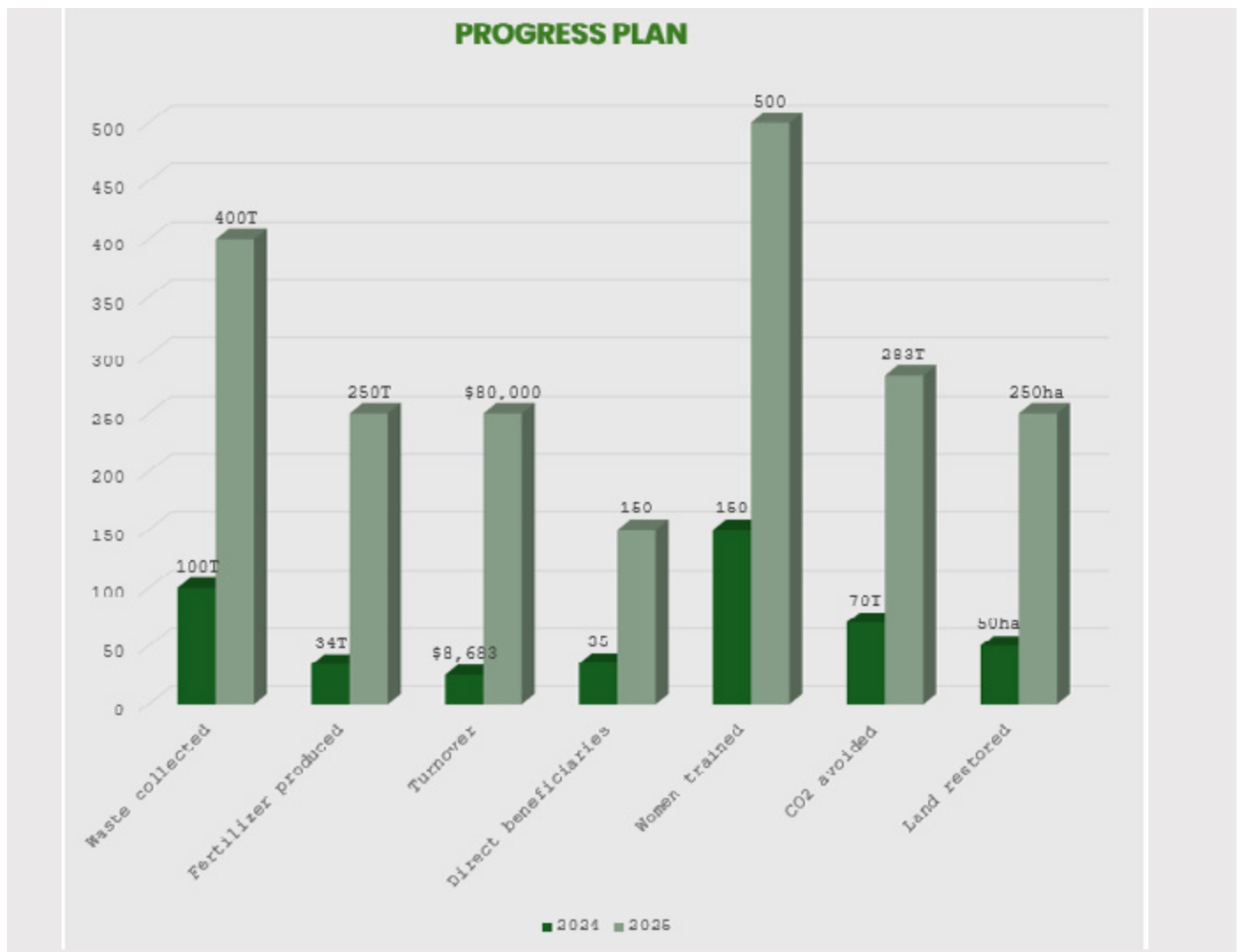
Akande, a 53-year-old resident of Pobè, is one of the many end consumers who has chosen to consume products from organic farming. Akande is a state official who used to pay for vegetables produced from chemical fertilizers. He has noticed a significant improvement in his health since he has been consuming organic products produced by local farmers supported by our company.

Akande is speaking:

« I didn't realize how much the quality of what we consume influences our well-being. Since I started buying organic products from farmers in the area, I have noticed that my health has improved. I feel more energetic, and my family also has fewer health problems. We have also made savings on health costs, because we are sick less often. I approached them to find out the origin of the magic and they told me about BIO PLANET TMC. I thank the company for making healthy food accessible and contributing to the preservation of our environment. »

Our Progress Plans for 2025

In 2025, our company plans to collect 400 tons of biodegradable and non-biodegradable waste, with the goal of producing 250 tons of granulated organic fertilizer. This product will then be distributed to 1,500 local farmers, thus contributing to the improvement of sustainable agricultural production. At the same time, 500 rural women will be trained in sustainable agriculture and waste management, thus strengthening the social impact of the project. With a selling price of \$16 per 50 kg bag, this represents a projected turnover of \$80,000, based on the sale of 5,000 bags of fertilizer. This production and distribution model will enable the company to achieve profitability while contributing to a healthier environment and the empowerment of rural women.



Highlights of the year

This year, BIO PLANET TMC Ltd has experienced several milestones, ranging from new partnerships establishment to learning, executive certification, and participation in large-scale events. Among these highlights, two events in particular marked the year 2024, and allowed our CEO, Christian Adoh, to proudly represent our company and its ambitions.

COPI6 Riyadh: UN Convention to Combat Desertification (UNCCD)

From December 2 to 9, 2024, Christian Adoh participated in the 16th Conference of the Parties to the United Nations Convention to Combat Desertification (COPI6 Riyadh) in Saudi Arabia. Fully-funded by the UNCCD, this participation provided a global platform to highlight BIO PLANET TMC Ltd's efforts in farmland restoration. During the session titled «Restoring the Future», held on December 5, 2024, Christian shared our company's journey in land restoration and the innovative solutions we offer to address land degradation.

Christian also had the opportunity to meet influential personalities such as Dr. Alvaro Lario, President of IFAD, and Mr. Bertrand Walckenaer, Deputy Director General of the French Development Agency (AFD). These meetings were an opportunity to present our innovation and receive strategic advice to



develop our solution on a continental scale. This event has consolidated the international credibility of our company, strengthened our global network, and opened up opportunities for strategic collaborations in the field of land restoration



2nd West Africa Deal Summit (Impact Investors Foundation)

In November 2024, Christian Adoh also participated in the 2nd West Africa Deal Summit organized by the Impact Investors Foundation (IIF) in Lagos, Nigeria. His participation was fully-funded by LEAP Africa, as part of the Social Innovators Programme. This event brought together leaders in the fields of impact investing, philanthropic organizations, government and private sector representatives, all committed

to financing projects with high social and environmental impact in West Africa. During this meeting, Christian presented the achievements of BIO PLANET TMC Ltd in Pobè, Benin, including the social impact of our granulated organic fertilizer and the challenges we face in expanding our operations. Through this platform, Christian discussed potential partnerships with investors interested in

amplifying our impact by empowering local farmers and promoting a sustainable farming system. This participation has increased awareness of our mission in the investment community, made valuable connections, and explored funding opportunities to expand our operations throughout the region.

A FEW FREEZE-FRAMES



The future of the company

The land degradation, the growing demand for organic fertilizers and climate change require rapid and strategic action. BIO PLANET TMC Ltd is committed to meeting these challenges while building the foundations for sustainable growth. In 2025, we will continue to produce and supply our granulated organic fertilizers, while making parallel investments to support our long-term goals. These investments will allow us to increase our production capacity to meet growing demand, improve our environmental impact and ensure the sustainability of our operations.

Infrastructure and equipment

In order to guarantee the sustainability of our production and to increase our production capacity to meet growing demand, we have planned to acquire a 2-hectare of land to install a biodegradable waste processing room and a storage store. This site will be secured by a fence and equipped with a borehole to ensure a constant supply of water. These investments will be made while maintaining our production operations for the year 2025.

Total cost of infrastructure: \$26,500 (\$24,000 for the domain and fencing + \$2,500 for borehole).

In addition, to optimize the quality and volume of our production, we plan to gradually acquire modern equipment:

- 01 organic waste grinder (4 tons/24 hours): \$8,500.
- 02 tricycles for the transport of waste and the distribution of fertilizer: $(\$2,500 * 2) = \$5,000$.

- 01 electric dryer (2tons/24h): \$14,000
- 01 composter (2tons/24 hours): \$65,000.
- 01 granulator (3tons/24 hours): \$22,000.

Total cost of equipment: \$114,500.

These investments will be made in a gradual and integrated manner, in order to support production without interruption.

Raw materials and labour

The continuity of our production is based on the supply of quality raw materials, such as poultry droppings, cow dung, and snail shells.

We plan an investment of \$5,000 for these essential resources.

At the same time, to support our growth, we will invest in strengthening our workforce:

- 04 permanent employees for production over 5 months
- 30 casual employees for waste collection over three months.

Total cost of labor: \$9,000.

Legal Compliance and Certifications

To ensure compliance and build consumer confidence, we will conduct environmental impact assessments and laboratory analyses to obtain the necessary approvals and certifications. These steps will take place in parallel with our production activities

Total cost of administrative formalities and certifications: \$13,000.

Investments for 2025 and beyond

In 2025, BIO PLANET TMC Ltd is not limited to meeting current demand. We are also laying the foundation for long-term growth. The total budget for our investments amounts to \$168,000 before we hope to produce 10,500 tons of quality granulated organic fertilizer each year from 2026 to meet the growing demand.

This integrated approach allows us to

produce efficiently while equipping ourselves for the future. We are committed to building a sustainable business model that meets not only the immediate needs of farmers, but also the global challenges of sustainability and food security. Our vision remains clear: to be a key player in the ecological and social transformation of agriculture in Benin and beyond.

Message to current and future partners

We would like to express our heartfelt gratitude to our honored partners, without whom the launch of BIO PLANET TMC Ltd would not have been possible. Thanks to their support, we were able to lay the foundations of our mission and achieve our first impacts, including the collection, transformation of biodegradable waste into quality granulated organic fertilizer, job creation and support for farmers. These initial results, although modest, testify to the importance of their commitment to this adventure. We guarantee them a sincere and transparent collaboration, based on common goals of sustainability and social justice.

Today, we are calling on new partners to join this ambitious dynamic. With their support, we plan to recycle more than 20,000 tons of organic waste per year by 2030 and produce

more than 10,500 tons of granulated organic fertilizer per year, restore 100,000 hectares of farmland, and directly improve the livelihoods of more than 1,000,000 marginalized women and small-scale farmers in West Africa. Indirectly, this project will also reach millions of end consumers by ensuring sustainable and healthy food production. In addition, our growth will create more than 150 permanent jobs in production, management and collection, as well as thousands of indirect jobs in the agricultural and logistics value chain.

Join us in transforming the future of our rural communities and our planet together. Your investments will help build a more equitable, sustainable, and prosperous world for all.

Why support us?

Supporting us means participating in the following within 5 years:

100,000+ tons of waste collected and recycled	More than 100,000 tons of biodegradable and non-biodegradable waste will be collected from nature to make the environment clean and livable for more than 500,000 people.
60,000+ tons of fertilizer	More than 60,000 tons of granulated organic fertilizer will be produced to support more than 35,000 farmers, 60% of whom are women, in Pobè, Benin and West Africa.
70,000+ tons of CO2 to be avoided	Waste collection, including the recycling of biodegradable waste, will allow us to avoid more than 70,000 tons of CO2 in nature to fight against cardiovascular and respiratory diseases and cancers among more than 500,000 populations in Benin and fight against climate change.
100,000+ hectares of land restored	The use of our granulated organic fertilizer will restore more than 100,000 hectares of degraded arable land in the town of Pobè, in Benin and in West Africa to strengthen food security.
5%+ increase in the local economy	The use of our organic fertilizer will increase the agricultural yield by 45%; a 30% increase in the beneficiaries' savings; reduction of production costs; Reduction of health costs Thanks to the improvement of the quality of food, all this will have a positive impact on the local economy by 5%.
5,000+ farmers trained and equipped	We will train more than 5,000 small farmers, 60% of whom are women, in environmentally friendly agricultural practices; the best methods to increase their agricultural yields; and rigorous monitoring to ensure their autonomy.
15%+ reduction in malaria and cholera	Waste collection will rid the environment of objects where mosquito larvae, the main source of malaria, develop; areas where flies multiply to land on meals and cause cholera in rural areas will be reduced.
2,100+ Green jobs created	BIO PLANET TMC Ltd will create more than 100 direct jobs, 75% of which will be women; our initiative will also create more than 2,000 indirect jobs for women and youth in Pobè and beyond.

They support us



Scholars Program





RESTORATION



Food and Agriculture
Organization of the
United Nations

