

DOCUMENT COMPAL

Project category:

Solutions offered by nature

Project title:

Compal

“Compost loves soil, and soil loves you”

The issue the project addresses:

Around the world, the improper disposal of organic waste presents many environmental challenges with enormous consequences. Organic trash left in landfills serves as a notable source of methane, a potent greenhouse gas that possesses 28 times the heat-trapping capacity of CO₂, which plays a significant role in global warming & climate change.

The global scale of the issue is highlighted by staggering amounts of food waste discarded globally. In 2015 alone, 37 million tons of food waste were sent to landfills in the US.

Moreover, the lack of action by individuals for responsible waste management, such as limited awareness/education within society about effective recycling practices, inefficient organic waste disposal methods and improper use of chemical fertilizers.

Finally, the costs associated with waste transportation and storage, it is projected for global disposable waste to be 375 billion tons by 2025, emphasizing the need for a scalable and replicable solution now.

Paul Hawken (2021) *Regeneration: ending climate crisis in one generation*. Penguin Random House.

NPR Staff. (2021, July 13). EPA Struggles to Track Methane From Landfills: Here's Why It Matters for the Climate. NPR.
<https://www.npr.org/2021/07/13/1012218119/epa-struggles-to-track-methane-from-landfills-heres-why-it-matters-for-the-climate> (Accessed: 26 January 2024).

ScienceAlert. (2015, December 03). The World Has Lost a Third of Its Farmable Land in the Last 40 Years. ScienceAlert.
<https://www.sciencealert.com/the-world-has-lost-a-third-of-its-farmable-land-in-the-last-40-years> (Accessed: 26 January 2024).

Grow Ensemble (2023, June 08). Why compost? The 10 benefits of composting for people and the planet. YouTube. <https://www.youtube.com/watch?v=7bjJPgQLpis&t=462s> (Accessed: 26 January 2024).

Project description

- The Brand:

Compal is a waste management and composting initiative that focuses on addressing the global environmental challenge of improper organic waste disposal. The name "Compal" is derived from the combination of "compost" (Com) and "pal," suggesting a friendly and collaborative approach to waste management.

Compal takes charge of collecting organic waste from its members' homes. This waste is then transformed into compost, providing many benefits for the environment, but mainly as a sustainable alternative to chemical fertilizers. The resulting compost is sold to local farmers, enriching their soil with essential nutrients, fostering healthier agricultural practices, and promoting environmental sustainability. At the same time it gives members a fun and rewarding experience.

It works through a digital platform that uses technology and artificial intelligence as tools for educating consumers on the importance and benefits of organic material by guiding them on how to achieve a correct organic waste disposal and motivating them into adopting small changes that positively impact climate change.

By doing this we establish a direct relationship between the farmer and the user by giving the farmer compost material as a resource to enrich the qualities of their harvest and delivering fresh organic products to the users home.

Compal wants to target the environmental issue in an engaging, interactive, and conscientious manner, demonstrating to our members and the world that preserving the planet can be both enjoyable and rewarding. Our circular rewarding system underscores this commitment. We recognize the vital role of farmers in our ecosystem. This is why **Compal** will be partnering with local farmers, who not only support sustainable agriculture but also fosters community resilience and economic vitality.

That's why, the chosen slogan, "*Compost loves soil, and soil loves you,*" reinforces the positive and symbiotic relationship between composting, soil health, and individuals, encouraging a sense of connection and responsibility for the well-being of the planet.

- Goals

Organic Waste Diversion: COMPAL aims to divert organic waste from landfills, mitigating the production of methane—a potent greenhouse gas contributing to global warming and climate change.

Composting for Sustainability: The initiative promotes composting as a sustainable solution, emphasizing its role in enriching soil health, reducing reliance on chemical fertilizers, and fostering a closed-loop system.

Global Impact: Recognizing the global scale of the issue, COMPAL addresses challenges associated with food waste, lack of awareness, and inefficient waste disposal methods on an international level.

Individual Engagement: COMPAL seeks to inspire individual action by raising awareness and educating society about responsible waste management practices, encouraging a sense of responsibility among community members.

Economic and Environmental Sustainability: COMPAL addresses the economic and environmental burdens of traditional waste disposal methods, emphasizing the need for scalable and replicable solutions in the face of escalating global disposable waste.

- **Value proposition:**

At **Compal**, we're not just about waste management; we're a community committed to creating a sustainable, circular world.

Discover the excitement of sustainability with our fun and engaging experience. Earn points (called *compoints*) for every kilogram of waste you contribute, unlocking not just rewards but a connection to the entire cycle. Dive into our educational and awareness content, where learning about waste becomes entertaining.

Compal sees the value in waste—turning it into nutrient-rich compost that benefits local farms. It's more than just a transaction; it's a circular relationship where your efforts to help the planet come full circle. Join us in making sustainability thrilling, educational, and rewarding, as we redefine waste as a valuable resource and celebrate the joy of giving back to the environment.

Overview of the issue and your approach : (how does Compal responds to the issue)

In an age of mounting environmental concerns, effective organic waste management is crucial. **Compal's** innovative composting approach is transforming waste management and delivering environmental and customer benefits.

One of the key pillars of **Compal's** approach is enhancing soil health and promoting plant growth. According to the USDA, compost improves soil structure, increases water retention, and enhances nutrient availability, leading to healthier growths (*Graves, 2010*). By distributing nutrient-rich compost, COMPAL contributes to soil enrichment and sustainable agriculture.

Furthermore, compost-amended soils have been found to retain up to 30% more water compared to unamended soils. Water retention helps mitigate drought conditions and reduce irrigation. Additionally, compost aids in erosion by stabilizing soil particles, protecting agricultural land and natural habitats from degradation (Compost utilization for erosion control ,2023).

A compelling aspect of **Compal's** impact lies in contributing to greenhouse gas reduction and carbon sequestration. By diverting organic waste from landfills and converting it into compost, COMPAL prevents the release of methane, mitigating climate change. Research indicates that compost-amended soils sequester carbon at a rate of 0.5 to 1 ton per acre per year (Kaushal & Sharma, 2023).

In addition to its environmental benefits, **Compal** offers significant education for its customers. And providing a sustainable alternative to chemical fertilizers, helping farmers reduce costs. The use of compost results in improved crop quality, enhancing the value proposition for farmers and customers (Kaushal & Sharma, 2023).

In conclusion, **Compal** is harnessing the power of compost making an impact on soil health, water conservation, greenhouse gas reduction, and cost savings. **Compal** is not only cultivating sustainability but also inspiring connections between individuals, communities, and the environment.

Methane-Emitting Landfills: A Potent, Pervasive Problem

About 8,000 industrial facilities are required to report their greenhouse gas emissions annually, and the U.S. Environmental Protection Agency makes that data public. While a controversy exists over the accuracy of EPA methane reporting methods, here are the top 10 methane-emitting municipal solid waste landfills for 2019, based on company reports.

LANDFILL	OWNED BY	METHANE EMISSION, 2019 (METRIC TONS)
Rumpke Sanitary Landfill <i>Cincinnati, Ohio</i>	Rumpke Consolidated Cos. Inc.	49,089
JED Solid Waste Management Facility <i>St. Cloud, Fla.</i>	Waste Connections US Inc.	48,929
Orange County Landfill <i>Orlando, Fla.</i>	Orange County Utilities Solid Waste Division	32,182
Eagle Point Landfill LLC <i>Ball Ground, Ga.</i>	Advanced Disposal Services Inc.	29,955
Sampson County Disposal LLC <i>Roseboro, N.C.</i>	Sampson County Disposal LLC	29,233
Black Warrior Solid Waste Disposal Authority <i>Coker, Ala.</i>	Black Warrior Solid Waste Disposal Authority	22,268
McCommas Bluff Landfill <i>Dallas, Texas</i>	City of Dallas	21,218
Brevard County Disposal Facility <i>Cocoa, Fla.</i>	Brevard County Board of Commissioners	20,923
Big Run Landfill <i>Ashland, Ky.</i>	Boyd County Sanitary Landfill Inc.	20,906
121 Regional Disposal Facility <i>Melissa, Texas</i>	North Texas Municipal Water District	20,747

Source: [U.S. EPA Greenhouse Gas Reporting Program](#)

Credit: Duy Nguyen/NPR, Paul Horn/Inside Climate News

Graves, R.E. (2010) *Composting*. United States Department of Agriculture. Available at: <https://directives.sc.egov.usda.gov/28910.wba> (Accessed: January 2024).

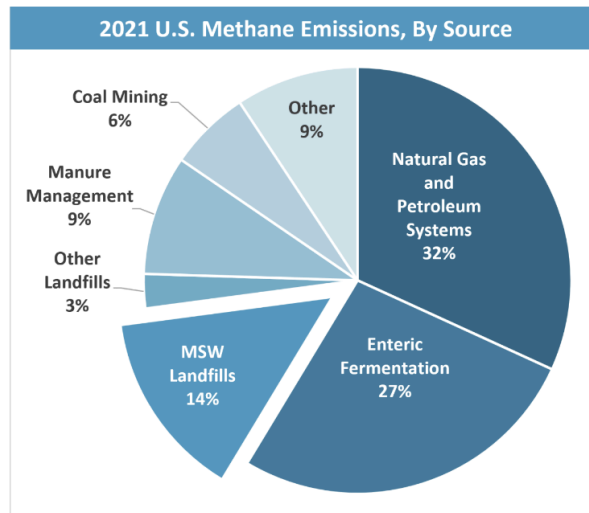
Compost utilization for erosion control (2023) University of Georgia Extension. Available at: <https://extension.uga.edu/publications/detail.html?number=B1200&title=compost-utilization-for-erosion-control> (Accessed: 26 January 2024).

Kaushal, S. and Sharma, N. (2023) *Soil Carbon Sequestration: A step towards Sustainability - Researchgate, Soil Carbon Sequestration: A Step towards Sustainability*. Available at: https://www.researchgate.net/publication/370580073_Soil_Carbon_Sequestration_A_Step_towards_Sustainability (Accessed: 26 January 2024).

Compost benefits:

1. **Lower greenhouse gasses:** When organic waste is sent to landfills, it decomposes without oxygen, leading to the production of methane. Composting, on the other hand, is an aerobic process, meaning it occurs in the presence of oxygen. In aerobic conditions, organic matter breaks down more efficiently, and the production of methane is significantly reduced. As it

was mentioned before, methane is 28 times more harmful than CO₂, so helping reduce methane will strongly impact the atmosphere.



Note: All emission estimates from the [Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990–2021](#).

U.S. Environmental Protection Agency. (2023). Basic Information About Landfill Gas. EPA. <https://www.epa.gov/lmop/basic-information-about-landfill-gas#:~:text=When%20MSW%20is%20first%20deposited,the%20waste%20and%20generate%20methane>.

2. **Soil health improvement:** Compost protects against plant disease and treats nutrient deficiencies. Adding compost to soil enhances its structure, water retention capacity, and nutrient content. Healthy soils with high organic matter content support the growth of plants, this means that crops grow with a better product quality.

SCIRP. (2021, January 15). Research indicates that compost added to soil enhances soil structure and may suppress plant disease. Scientific Research Publishing. <https://www.scirp.org/journal/paperinformation?paperid=118011#:~:text=Research%20indicates%20that%20compost%20added,and%20may%20suppress%20plant%20disease>.

3. **Water revitalization:** Compost can hold twice to 20 times its weight, this means that it helps with water retention as well as it increases the amount that penetrates the soil, enabling water to go through rock layers that connect with ponds, lakes etc. which will be already filtered by the time it gets to water sources. In addition, compost helps with erosion due to its ability to retain water.

WEF. (2021, October). How Compost-Based BMPs Can Create More Resilient Watersheds. Stormwater. <https://stormwater.wef.org/2021/10/how-compost-based-bmps-can-create-more-resilient-watersheds/>

4. **Carbon sequestration:** Carbon sequestration is the process in which carbon dioxide is removed from the atmosphere and stored in a liquid or solid form. Compost is a stable, organic material rich in carbon. When added to soil, compost acts as a carbon sink, helping to sequester carbon dioxide from the atmosphere. This process contributes to mitigating climate change by reducing the overall concentration of greenhouse gasses.

CalRecycle. (2022). Carbon Sequestration in Compost-Amended Soils. California Department of Resources Recycling and Recovery. <https://calrecycle.ca.gov/organics/compostmulch/toolbox/carbonsequest/#:~:text=A%20series%20of%20experiments%20done,the%20effects%20of%20climate%20change>.

5. **Reducing chemical fertilizers:** Compost is a natural and nutrient-rich fertilizer. By using compost in agriculture, there is a reduced dependency on synthetic chemical fertilizers. The production and use of synthetic fertilizers contribute to greenhouse gas emissions, so minimizing their use supports overall emission reduction efforts.

Shin, H. S., & Adhikari, D. (2013). Production and use of compost from organic solid waste in agriculture: Recent trend and future prospects. *Waste Management*, 33(3), 543-551. <https://doi.org/10.1016/j.wasman.2012.09.010>

Circular economy centered:

1. **Waste-to-Resource Concept:** COMPAL is involved in the collection of organic waste from its members, which is then transformed into compost. This process exemplifies the waste-to-resource concept inherent in circular economies. Instead of considering waste as a problem to be disposed of, COMPAL **views organic waste as a valuable resource that can be repurposed into compost**, providing a sustainable alternative to traditional waste disposal methods.
2. **Closed-Loop System:** The idea of members earning points based on the amount of organic waste they contribute and then using these points to redeem products in "The Garden" section of the app **creates a closed-loop system**. This aligns with the principles of circular economies, where resources are used, recycled, and reused within the system, **minimizing waste and environmental impact**.
3. **Support for Local Agriculture:** By selling the compost to local farmers as a replacement for chemical fertilizers, COMPAL contributes to the circular economy by **closing the loop in the agricultural sector**. The compost produced from organic waste goes back into the soil, enhancing its fertility and supporting sustainable farming practices.

4. **Member Engagement and Education:** COMPAL aims to make sustainability exciting and engaging for its members. The point system, rewards, and the concept of earning products from "The Garden" create a positive feedback loop that encourages active member participation. This engagement not only strengthens the circular economy model but also promotes awareness and education about responsible waste management practices.

5. **Economic and Environmental Sustainability:** The emphasis on reducing the use of chemical fertilizers, supporting local farmers, and promoting sustainable agriculture contributes to both economic and environmental sustainability. Circular economies aim to balance economic prosperity with environmental responsibility, and COMPAL integrates these principles into its business model.

In summary, COMPAL's circular economy focus is likely driven by a commitment to transforming waste into valuable resources, creating closed-loop systems, supporting local agriculture, engaging and educating members, and promoting overall economic and environmental sustainability.

Mission & Vision:

Mission: At Compal, our mission is to revolutionize waste management and contribute to a sustainable future. We are dedicated to transforming organic waste into a valuable resource through composting, reducing the environmental impact of improper disposal. Our mission goes beyond waste transformation; we seek to instill consciousness in individuals through education, helping them genuinely understand the importance of simple actions at home and how soil rewards us every day. By giving visibility to farmers and supporting greener production, we aspire to contribute to a more sustainable agricultural landscape. Our mission extends to empowering people to understand the origins of things, recognize the need for contribution, and make sustainability an enjoyable and accessible experience. We believe in creating a mission that not only enriches the soil with more nutrients but also cultivates opportunities and contributes positively to the world.

Vision: Compal envisions a world where waste is viewed as an opportunity rather than a problem. Our vision is to lead the way in establishing circular economies by creating a closed-loop system that transforms organic waste into nutrient-rich compost. We see a future where our members actively contribute to this transformation. Through strategic partnerships with local farmers and a commitment to environmental education, COMPAL aims to be a catalyst for positive change, inspiring communities worldwide to embrace responsible waste management practices and embrace the rewards of a circular approach.

Brand values :

1. **Opportunity:** At Compal, we fundamentally believe in the value of waste. This core value drives us to see waste not as a problem but as an opportunity to explore its potential. We seize the opportunity to empower local farmers over large enterprises, offering them a sustainable alternative with our compost, as well as giving them the opportunity of visibility and

reinforcing their production . Compal provides individuals with the opportunity to change their habits, fostering a community where every action contributes to a positive impact on the Earth. Finally in embracing opportunity, we open doors for change, creating a world where waste becomes a valuable resource, and every contribution matters.

2. **Holistic well-being:** At Compal we consider the well-being of everyone involved. We are committed to a holistic perspective that seeks the best outcomes for the earth, the soil, our members, and the farmers we collaborate with. Our project is designed not merely for waste reduction but as a comprehensive solution that benefits all stakeholders. For the Earth and soil, we contribute to the reduction of emissions, support a sustainable food cycle, promote the development of nutrient-rich soil etc. For farmers, we provide not only quality compost for their crops but also better prices for their raw materials, increased visibility, and educational support. For our members, we offer education, assistance with transportation, the opportunity to make a positive impact, all within a fun and engaging experience. This is why Compal focuses on creating a project that uplifts and enhances the well-being of everyone involved.

3. **Purpose driven:** At Compal, our third core value is Purpose-Driven , symbolizing our profound commitment to a mission beyond profit. Compal was born out of a necessity to address the pressing issue of waste, while making a meaningful difference in the world. We are driven by the purpose of helping farmers, not only by providing them with quality compost but by actively supporting their livelihoods. However, our most significant purpose lies in education. Compal aims to be a catalyst for change, fostering a more conscious society. Our educational initiatives are designed to empower individuals with the knowledge to make eco-friendly choices, understand the impact of consumption, and cultivate habits that benefit both individuals and the planet. Compal's purpose is rooted in creating a positive and lasting impact, shaping a future where purpose-driven actions lead to a more sustainable and conscious world.

Audience:

Eco-Conscious Enthusiast

- Participating in recycling programs and composting initiatives.
- Supporting businesses that prioritize sustainability and ethical practices.
- Engaging in outdoor activities such as hiking, gardening, and biking.

Motivations:

- Making a positive impact on the environment.
- Supporting initiatives that align with her values.
- Accessing resources and tools to live a more sustainable lifestyle.

Goals:

- Reduce waste and promote composting in her community.

- Gain knowledge and skills related to organic waste management.
- Connect with like-minded individuals and organizations committed to environmental stewardship.

How the membership can appeal:

- Access to educational materials and resources on composting and waste management.
- Opportunities to participate in community events and workshops focused on sustainability.
- Networking opportunities with other eco-conscious individuals and organizations.
- Discounts or rewards for eco-friendly products and services.

Busy Urban Worker

Interests:

- Convenience and time-saving solutions for daily tasks.
- Health and wellness practices to balance work and personal life.
- Exploring new technologies and innovations.

Motivations:

- Simplifying daily routines and managing time effectively.
- Accessing resources and services that enhance well-being and productivity.
- Supporting initiatives that align with personal and professional goals.

Goals:

- Reduce household waste and adopt sustainable practices without sacrificing convenience.
- Improve overall well-being by incorporating healthier and more environmentally friendly habits.
- Connect with communities and resources that offer practical solutions for urban living.

How the membership can appeal:

- Convenient pickup and disposal services for organic waste.
- Access to user-friendly tools and mobile applications for waste management and composting.
- Time-saving solutions and automated reminders for waste collection and compost maintenance.

Enthusiastic farmer

Interests

- Practices organic farming methods, avoiding synthetic chemicals and pesticides.
- Implements crop rotation, cover cropping, and other regenerative agricultural practices.
- Prioritizes soil health and fertility to produce high-quality, nutrient-rich crops.

Motivations:

- Implementing sustainable and environmentally friendly practices on the farm.
- Exploring new technologies and techniques to improve farm efficiency and productivity.
- Building relationships with like-minded farmers and organizations in the agricultural community.

Goals:

- Enhancing soil fertility and crop quality through natural and organic means.
- Reducing environmental impact and preserving natural resources for future generations.
- Building a resilient and profitable farm operation that aligns with personal values and goals.

How membership can appeal:

- Incorporate composting into farm practices to improve soil structure and nutrient availability.
- Reduce reliance on chemical fertilizers and external inputs while maintaining or increasing crop yields.
- Connect with local initiatives and organizations that support sustainable agriculture and environmental conservation.

How your collaboration can appeal:

- Access to high-quality compost made from organic waste collected through your initiative.
- Educational resources and support for implementing composting practices on the farm.
- Networking opportunities with other sustainable farmers and industry experts.
- Potential for increased soil fertility, improved crop yields, and long-term sustainability of the farm operation.

The stakeholders:

1. **Members/Subscribers:** These are the heart of Compal, individuals who actively engage with the service, separating organic waste, and contributing to the composting process. They play a crucial role in the success of the initiative.
2. **Farmers:** Farmers are direct beneficiaries of Compal's compost. They receive nutrient-rich soil compost that enhances crop quality. Compal's relationship with farmers goes beyond transactions, providing support, visibility, and fostering a sustainable agricultural ecosystem.
3. **Educational content creation:** Compal engages with educational institutions and experts to spread awareness about waste management, composting, and sustainability. These partnerships contribute to building a more environmentally conscious future generation.
4. **Environmental Organizations:** Collaboration with environmental organizations strengthens Compal's commitment to sustainable practices. It provides an avenue for shared resources, knowledge exchange, and collective efforts towards a greener environment.
5. **Local Communities:** The impact of Compal extends to local communities, reducing the ecological footprint, and promoting a cleaner environment. Positive community relationships are essential for the acceptance and success of Compal's initiatives. As well as the farmers communities nearby.

6. **Government Agencies:** Compliance with environmental regulations and collaboration with government agencies ensures that Compal operates within legal frameworks. Engaging with authorities helps in aligning company practices with broader environmental goals.
7. **Suppliers:** Suppliers contribute to Compal's operations, providing materials and services essential for the composting service. Building strong relationships with suppliers ensures the sustainability of the entire supply chain.
8. **Investors/Shareholders:** Investors and shareholders provide the financial support necessary for Compal's growth and expansion. They are crucial partners in realizing the company's mission and ensuring its long-term success.
9. **Employees:** The internal stakeholders, including executives, managers, and operational staff, contribute to the day-to-day functioning of Compal. Their dedication and alignment with the company's values are vital for its overall effectiveness. As well as workers at Compal's waste plant.
10. **Media and Public:** Public perception and media coverage shape Compal's image and influence its success. Engaging with the media and the wider public fosters transparency, trust, and support for Compal's initiatives.

Compal's stakeholders form a diverse and interconnected network, each playing a crucial role in the company's mission to revolutionize waste management and promote sustainability. At the core are the Members and Subscribers, individuals actively participate in waste separation and composting, embodying the hands-on commitment to Compal's goals. Farmers, the direct recipients of Compal's compost, benefit not just economically but also through increased visibility and support, contributing to a sustainable agricultural ecosystem. Educational content creators collaborate to spread awareness, influencing future generations towards more eco-conscious practices. Engaging with Environmental Organizations strengthens Compal's commitment to broader sustainability goals. The impact extends to Local Communities, reducing ecological footprints and fostering cleaner environments. Compliance with the Government ensures legal adherence and aligns company practices with environmental regulations. Suppliers contribute to the entire supply chain's sustainability. Investors and Shareholders provide essential financial support, and Employees contribute to the company's daily functioning. Media and Public perception shape Compal's image, influencing its success and wider acceptance. Recognizing and addressing the unique needs of these stakeholders is pivotal for Compal's continued success in promoting positive environmental and social change.

How Compal works:

- **Membership Enrollment:** Customers begin their sustainability journey by signing up for Compal's membership. This grants them access to comprehensive composting services and exclusive benefits.
- **Educational Outreach:** Members receive ongoing educational materials and resources on composting and effective waste management practices. Compal ensures that members are well-informed and empowered to make environmentally conscious decisions. Members get their education through the learning space on the App. Meanwhile farmers joining Compal, have workshops at their local farms and events on their community.
- **Waste Separation:** The key to Compal's success lies in waste separation. Members actively participate by distinguishing organic waste from other trash, preparing it for the composting process.

- **"Complition Day" Preparation:** Members await scheduled collection days, known as "Complition Day." On these days, they ensure their compostable waste is ready for pickup by Compal's dedicated collection service. Recollection will be made every once a week, as well as bags will be delivered on Complition Day.
- **Points Accumulation:** Every composting effort and active participation by members translates into earned points. These points reflect their commitment to sustainable practices and contribute to a rewards system. 1kg of waste = 2 *compoints*.
- **"The Garden" Rewards:** Compal's innovative rewards system allows members to redeem their accumulated *compoints* in "The Garden" section of the app. Here, a variety of products, sourced through alliances with local farmers, awaits selection. Rewards will be delivered on the 1st and the 16th of each month.
- **Harvesting Your Garden:** Members get the exciting opportunity to "harvest" the fruits of their composting efforts. By selecting items from "The Garden," they receive locally sourced, fresh products delivered right to their doorstep.
- **The shop:** The app as well has a section where members can buy certain additional items such as a bin, extra compostable bags, odor scents etc.

This structured process ensures a seamless and rewarding experience for Compal members, emphasizing education, active participation, and tangible benefits through a circular rewards system.

Membership explanation:

Compal Membership:

1. Subscription Benefits:

- Upon joining Compal's membership, individuals receive two compostable bags to start their waste collection.
- Scheduled waste collection occurs on the 1st and 16th of each month, providing members with regular opportunities to contribute to the composting process. As well as on the day of collection, they get deliver their 2 compostable bags.

2. Membership Fee:

- The monthly membership fee for this eco-conscious service is set at \$23.00 USD. This fee covers the collection and composting of organic waste, as well as the associated benefits.

3. "The Garden" Access:

- Members have constant access to "The Garden" section of the app, showcasing an array of products sourced based on seasonality and collaborations with local farmers.

4. Compoint System:

- For every kilogram of organic waste contributed, members earn valuable points known as "Compoints." This system incentivizes consistent composting efforts.

5. Reward Redemption:

- Members can accumulate Compoints over time, and once a specific amount is reached, they can redeem these points for rewards of their choice. Rewards are diverse, ranging from fresh produce to eco-friendly products.

6. Delivery Day:

- The rewards claimed by members are delivered on designated collection days known as "Delivery Day," ensuring a seamless and timely delivery of their chosen items.

Reward system explanation:

At Compal, we believe in recognizing your dedication to sustainability. For every kilogram of organic waste you contribute, you earn points. These "*compoints*" can be redeemed in 'The Garden' section of our app. As you accumulate points, you can 'purchase' a variety of seasonal products such as avocados, strawberries, and more. Your selections will be conveniently delivered to your doorstep on the 16th or 1st day of each month.

The availability of items in 'The Garden' depends on our partnerships with local farmers, their seasonal crops, and availability. By diverting more waste to Compal, you earn more points, unlocking a range of fresh, locally sourced rewards. It's a straightforward way to enjoy the benefits of your sustainable efforts while supporting local agriculture and reducing your environmental impact.

This circular reward model reflects the symbiotic relationship between individuals, local farmers, and the environment. Just as the environment provides us with valuable resources, composting becomes a way to give back. By responsibly disposing of your organic waste, you initiate a cycle where the environment rewards you in return. It's a beautiful example of how small, mindful actions can create a sustainable loop that benefits both you and the planet.

Members benefits:

Convenience: They can easily dispose of organic waste without the hassle of managing it themselves.

Environmental Impact: By composting their organic waste, they contribute to reducing landfill waste and greenhouse gas emissions.

Educational Resources: Subscription service provides educational materials and resources on composting and waste management, empowering members to make more sustainable choices.

Community Engagement: Members become part of a community of like-minded individuals committed to environmental stewardship and sustainability.

Support for Local Farmers: Through your service, members support local farmers by providing them with nutrient-rich compost for their crops.

Farmers benefits:

Access to High-Quality Compost: Provides farmers with nutrient-rich compost produced from organic waste, enhancing soil health and fertility.

Cost Savings: By utilizing compost instead of chemical fertilizers, farmers can reduce their input costs while achieving comparable or better crop yields.

Sustainable Agriculture Practices: Utilizing compost aligns with sustainable agriculture principles, promoting soil conservation, biodiversity, and long-term environmental health.

Visibility and Recognition: Farmers collaborating with your initiative gain visibility and recognition as stewards of sustainable agriculture, enhancing their reputation within the community.

Educational Resources: Offer educational resources and support to farmers on composting techniques, soil health management, and sustainable farming practices, further empowering them to succeed in sustainable agriculture.