

The Leeverlie Group

<u>Team Member Name</u>	<u>Year</u>	<u>Major</u>
Ben Liang	2024	Finance
Dominic Anghilante	2025	Accounting
Emily McGee	2025	Accounting
Taylor Copeland	2024	Finance

Advisor(s): Daria Panina, PhD

Topic Title: Brewing a Better Future: Optimizing Nestle’s Coffee Supply Chain

Audience: Nestle Board of Directors

Sustainable Development Goal

SDG #12: Ensure sustainable consumption and production patterns.

Target #12.3: By 2030, halve per capita global food waste at the retail and consumer levels and reduce food losses along production and supply chains, including post-harvest losses.

Executive Summary

As a food and beverage powerhouse, Nestle owns and operates over 2,000 brands ranging from Nespresso to Gerber. The Leeverlie Group is proposing to target Nestle’s coffee supply chain to drive substantial financial and ethical benefits through food waste reduction. Every year, Nestle sources over 785,000 tonnes of coffee beans. However, inefficiencies related to agricultural practices, storage techniques, and product packaging contributed to over 1,564,000 tonnes of waste produced by Nestle in 2023. This is equivalent to a staggering 0.5 lb of waste for every single person in the world.

Nestlé can enhance operations, improve its reputation, and advance global impact within its supply chain through various strategic initiatives. Collaborating with farmers to improve harvesting techniques, specifically within coffee beans, promotes sustainability and efficiency along Nestlé’s agricultural supply chain. Additionally, Nestlé can invest in technology such as cold chain infrastructure in developing markets to preserve food loss and support local farmers. Adapting irrigation systems technology, ensuring efficient inventory management, and repurposing waste among local factories can also be initiatives to help reduce food waste along Nestlé’s supply chain. The supply chain ends with the consumer, and optimizing packaging and product volume would align with Nestlé’s commitment to sustainability measures and responsible business practices both upstream and downstream. Overall, with the coffee industry expected to reach 182.63 billion by 2030, Nestlé stands to benefit from these strategic initiatives as optimizing their supply chain would multiply their global impact.