



Galaxy Biotech

MISSION

To innovate sustainable packaging solutions that maximize freshness, reduce food waste, and support a healthier planet by extending the shelf life of fruits and vegetables.

VISION

Become the leading provider of sustainable food preservation solutions in Vietnam, using our rich local bio-resources to develop technologies that maintain food freshness and contribute to a healthier planet.

MANTRA

Keep the Food Fresh, Keep the Planet Green.





Everyday, **1 billion** meal is being thrown away (World Squanders over 1 Billion Meals a Day - UN Report, 2024)

One-third of the world's food is wasted annually at great economic, environmental cost according to a UN report from 2013

It is estimated that food waste costs the global economy about **\$1 trillion** annually. Moreover, food waste contributes significantly to global greenhouse gas emissions, estimated to account for up to **10%** of such emissions.

This emphasizes the substantial role that food waste reduction can play in climate strategies and achieving Sustainable Development Goals (SDG),



SUSTAINABLE DEVELOPMENT GOALS (SDG)

Target 2.1



UNIVERSAL ACCESS TO SAFE AND NUTRIOUS FOOD

End hunger and ensure access by all people, in particular the poor and people in vulnerable situations, including infants, to safe, nutritious and sufficient food all year round

Target 12.3



HALVE GLOBAL PER CAPITAL FOOD WASTE

Aims to halve global food waste at the retail and consumer levels and reduce food losses, including postharvest losses, along supply chains

Target 12.5



SUBSTANTIALLY REDUCE WASTE GENERATION

By 2030, substantially reduce waste generation through prevention, reduction, recycling and reuse

14%

of food is lost in the food supply chain
(FAO)

17%

is wasted between retail and
consumer levels (UNEP)

40%

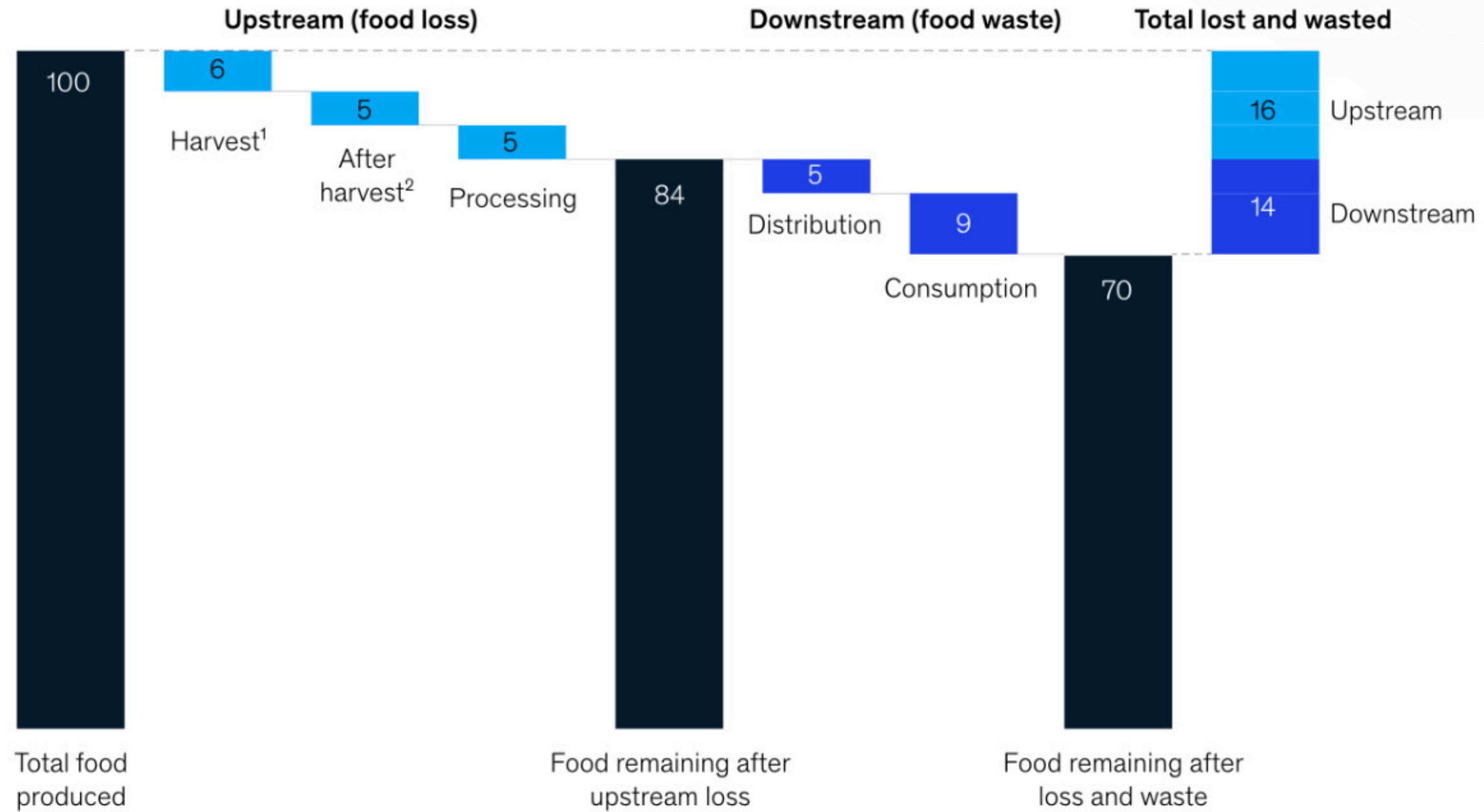
is the loss rate of fruits and
vegetables of Vietnam annual
export

Fruits and vegetables

suffer the highest levels of waste and it is estimated to be many times higher than for other agricultural product groups in the primary production (Herzberg, 2023)



Global food loss and waste, by value chain step,¹ % of total production



¹Reported in primary crops for crops, carcass weight for meat, live weight equivalent for fish, and total production leaving manufacturer for processed commodities.

²Postharvest handling and storage.

Source: Food and Agriculture Organization of the United Nations; press search

(SDGs)

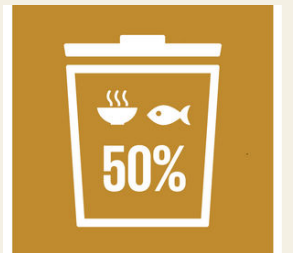
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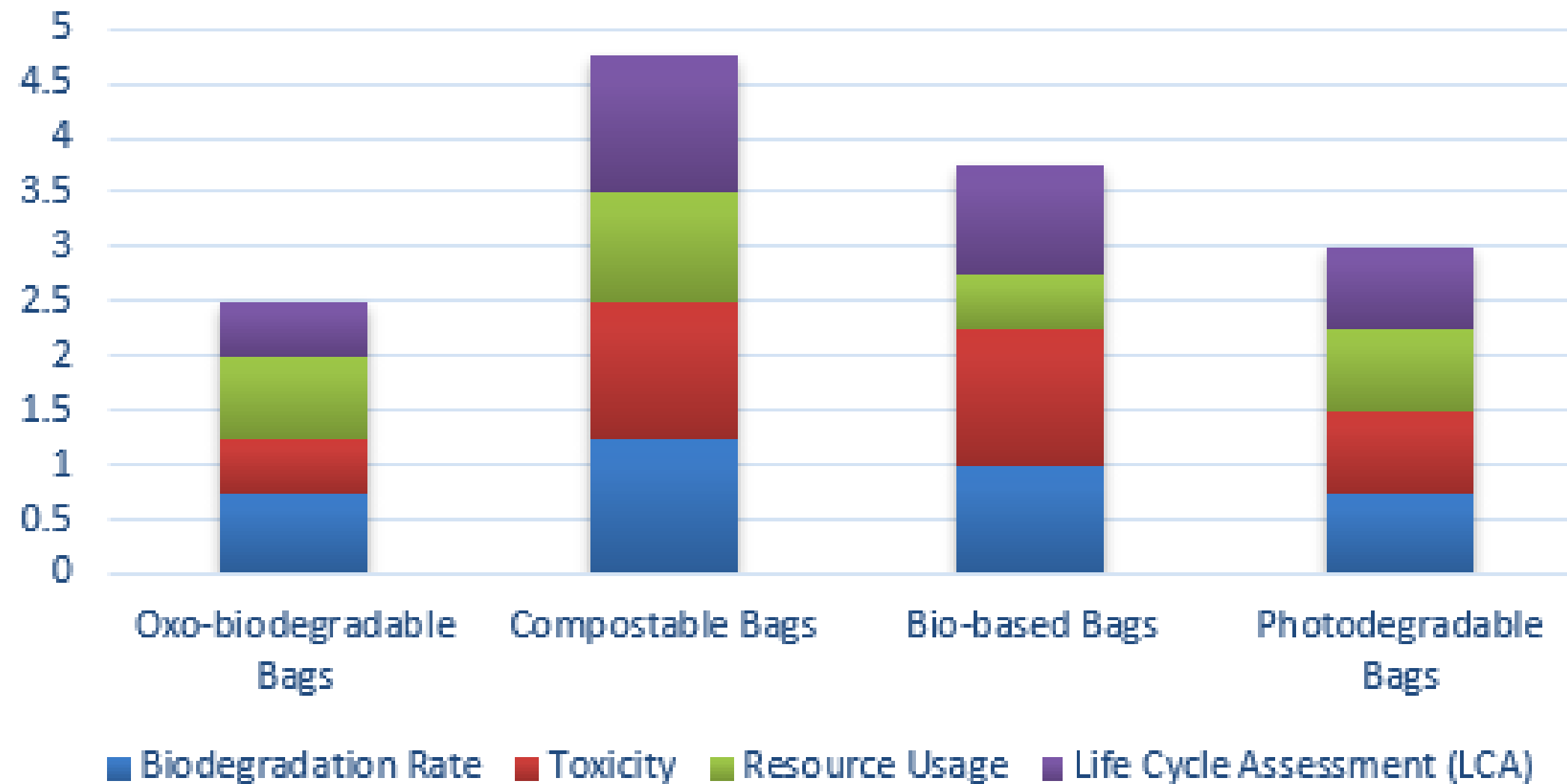
Contribution of Galaxy Biotech

Creating biodegradable bags help keep food fresh longer, reducing spoilage while making nutritious food more accessible and economically viable for both producers and consumers.

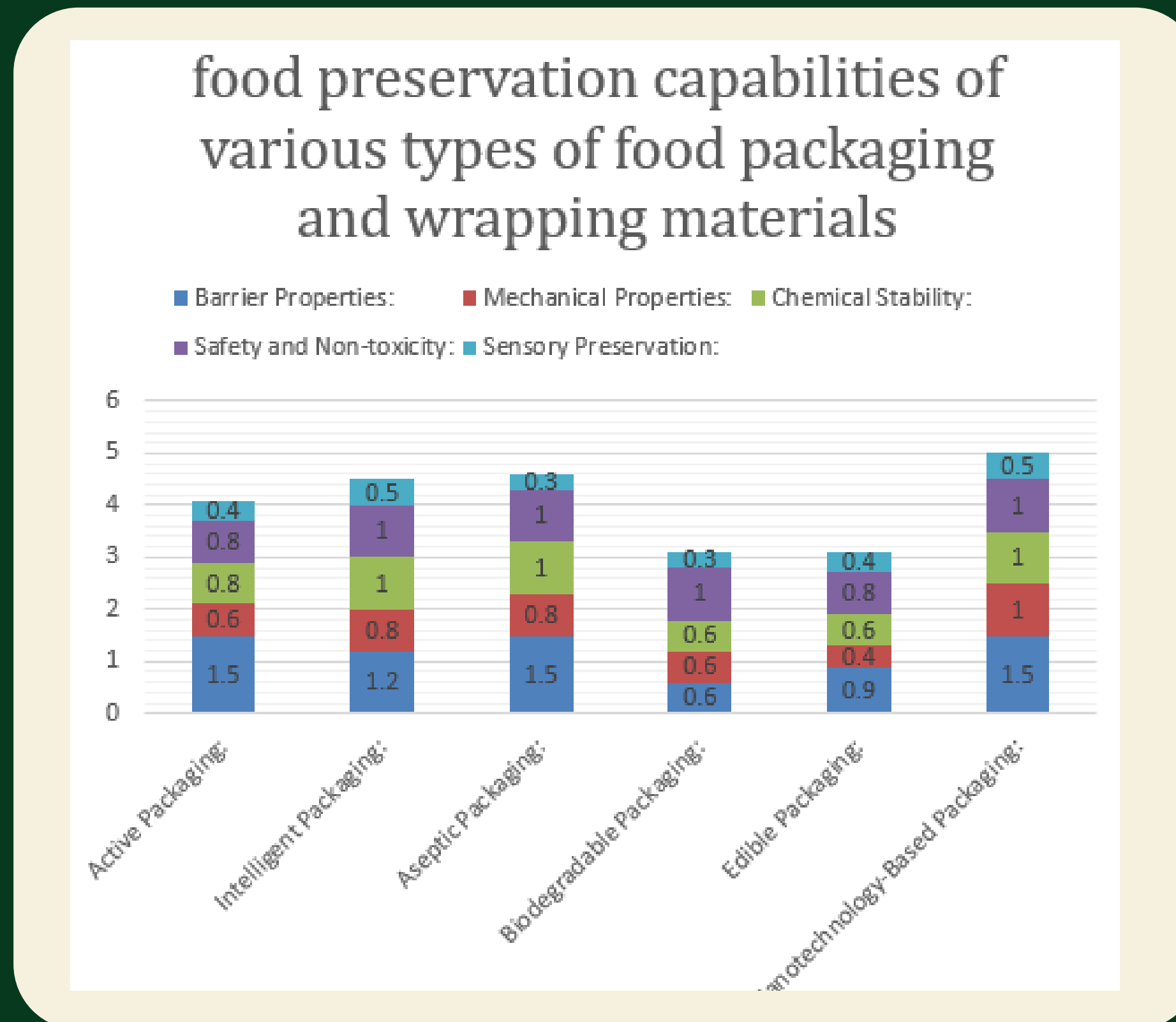
Biodegradable bags extend produce shelf life by creating a protective barrier that minimizes exposure to air and moisture. Keeping fruits and vegetables fresh longer, lowering the chances of premature disposal.

The development of a biodegradable bag reduced plastic pollution and underscores the critical role of packaging innovation in fostering resource efficiency and raising awareness about sustainable consumption practices.

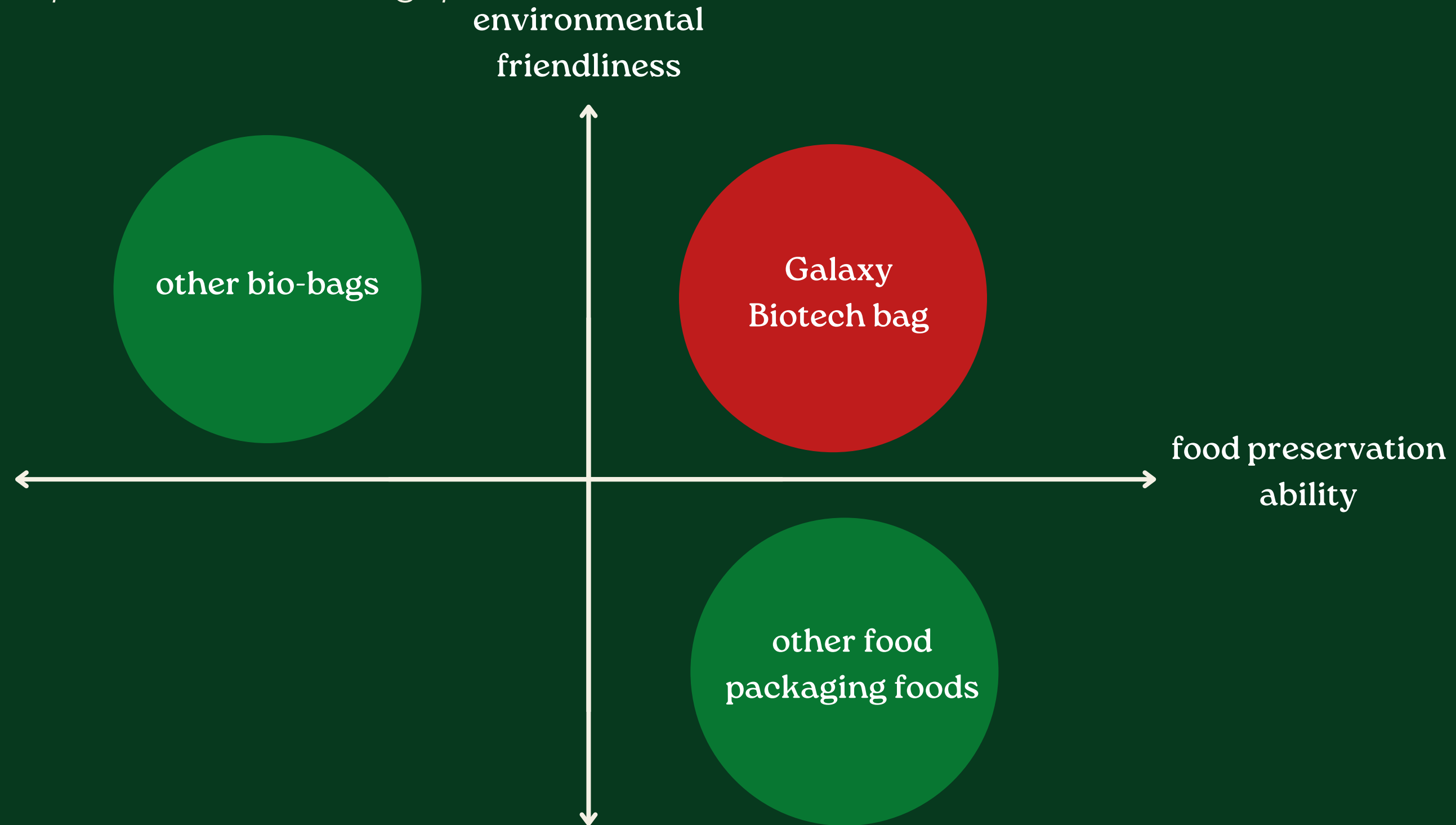
The environmental friendliness of biobags



DIRECT COMPETITORS



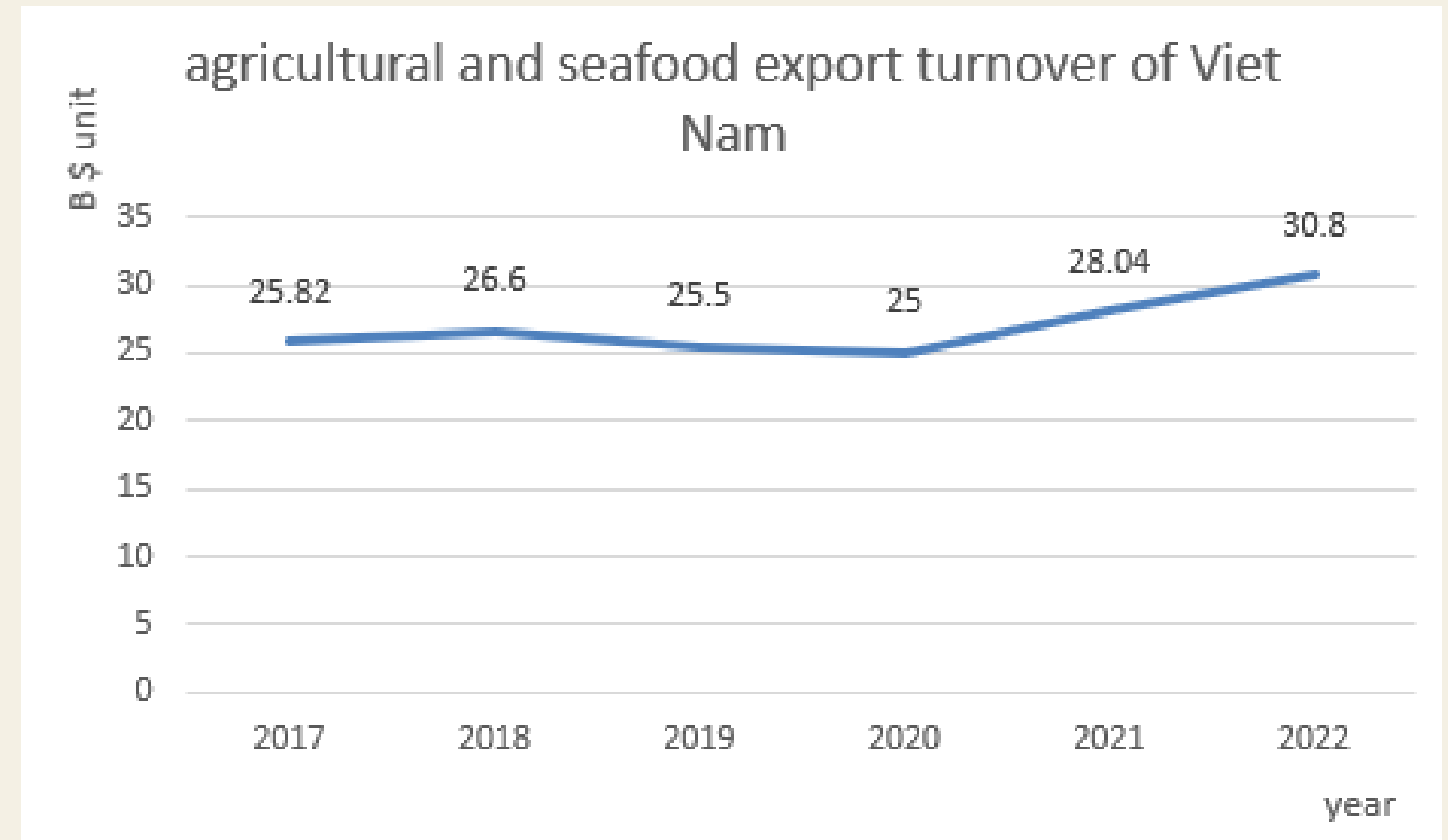
Part B3. Competitors and market gaps



Introduction	Social issues and root causes	Social solution	Stakeholder investment	Improvement strategy
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Part B5. Solution uniqueness

- Increasing Demand for Food Exports from Vietnam
 - Challenges in Technical Barriers and Product Preservation
- Our product meet their needs



Introduction

Social issues and root causes

Social solution

Stakeholder investment

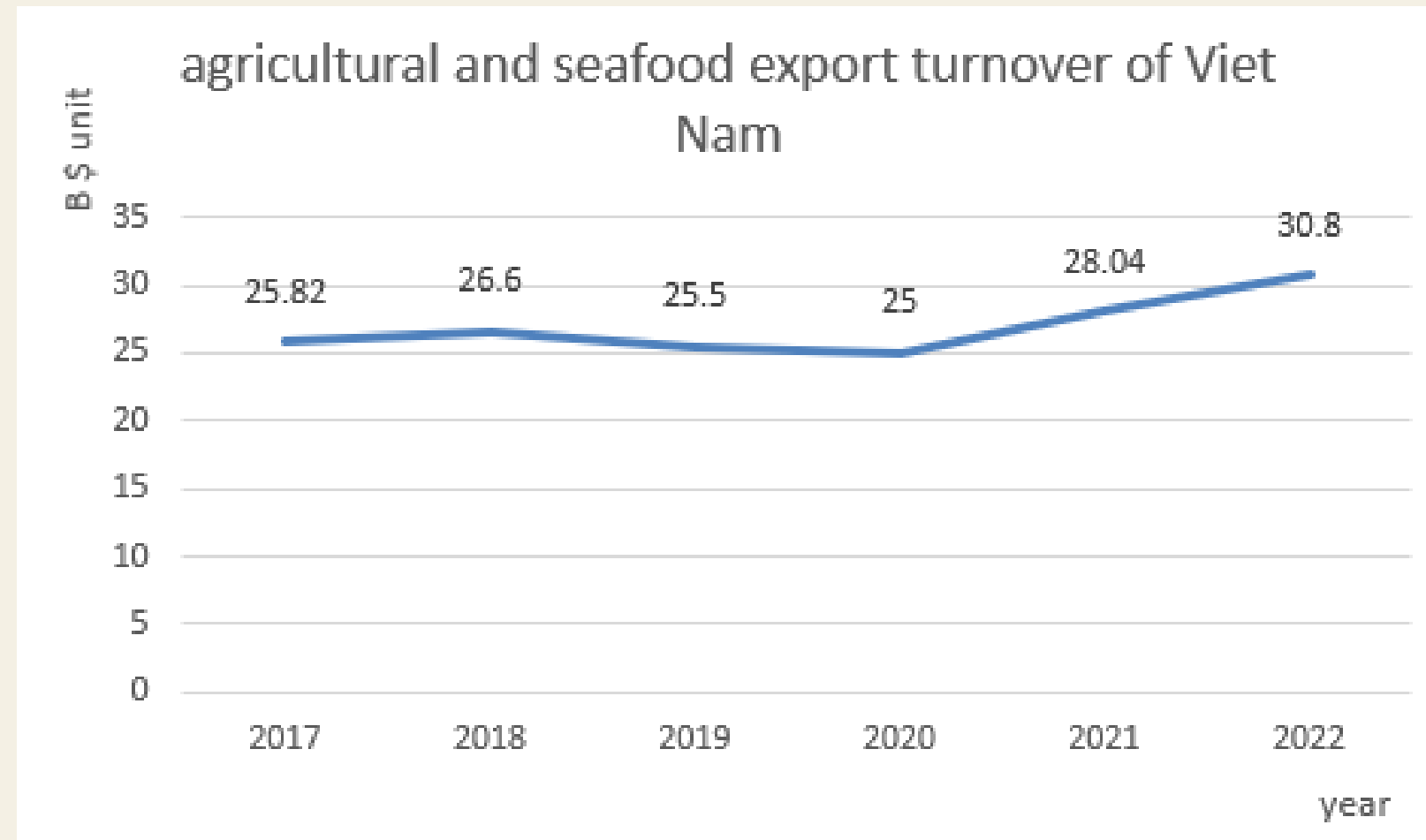
Improvement strategy

Part B4. Solution to implement

Two main feature of product :

- Preserve food with natural and food-safe material.
- Be biodegradable and helps protect the environment

Part B5. Solution uniqueness



Introduction

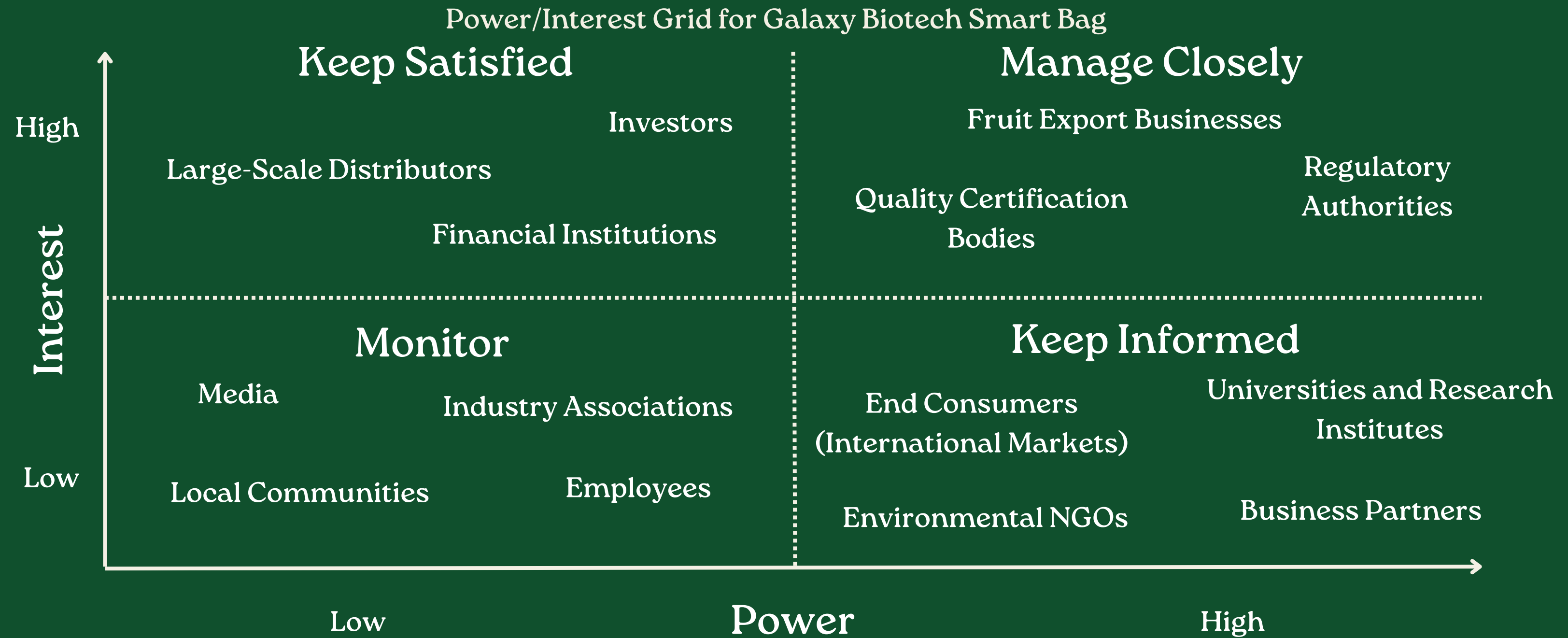
Social issues and root causes

Social solution

Stakeholder investment

Improvement strategy

Part C1 Engagement strategy



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Part D. Learning curve

The goal is vague and does not bring practical value

Flexibly apply the group of development goals of the United Nations

Ensuring sustainable project development

Get to the surface of the problem

Use the iceberg model

Dig deeper into the root cause

Lack of competitor analysis plan

Evaluate the advantages and disadvantages of each group of competitors

Understand the market and position of the project in the future

Introduction

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Thanks

"Seal the freshness, unlock the future with Galaxy Biotech bags!"

