Eden Research plc

ESG Strategy

April 2022

EDEN
THE NATURAL SOLUTION

Eden Research plc is an AIM-quoted company focused on sustainable biopesticides and plastic-free encapsulation technology for use in the global crop protection, animal health and consumer products industries.

About Us

Eden is the only UK quoted company (AIM: EDEN) focused on biopesticides for sustainable agriculture

- Provides sustainable bio-pesticides and plastic-free encapsulation technology for crop protection, animal health and consumer products industries.
- Intellectual property and expertise in plant-derived sustainable chemistry and delivery technologies
- Proven, efficacious products
- Multiple regulatory clearances
- Strategic partnerships
- Two products currently commercially available

Eden's focus is on:

- Registering and commercialising new products including insecticide and seed treatment products
- Developing the use of our microencapsulation technology, known as 'Sustaine®', with conventional agrochemicals
- Expanding current product portfolio with second generation formulations
- Pursuing opportunities with Corteva and other collaborators

Our Partners

EASTMAN

SIPCAM OXON supporting agriculture

SUMI AGRO

K&NE EARTH MATTERS

Elanco

CORTEVA agriscience

Key Statistics

18
Countries have granted product authorisation

46
Crop use approvals for Eden's biopesticides

£15m
Invested in IP & registrations

110
Granted and pending patents

CROP PROTECTION

ANIMAL HEALTH

CONSUMER PRODUCTS

Introduction

Introducing Our ESG Strategy

We are committed to delivering high standards of Environmental, Social and Governance (ESG) performance across our business. Our ESG Strategy ensures that we integrate ESG into all that we do.

The transition to sustainable agriculture shapes market needs

- In agriculture there is an urgent need to move to a safe, equitable and sustainable food system.
- Our food system accounts for over a third of global CO2 emissions and is the key driver of accelerating biodiversity loss.
- Our innovative products are positioned to serve growing markets for more sustainable solutions. They reduce on-farm impacts on nature, reduce food waste and reduce the risks to human safety and health from conventional agrochemicals.

About our ESG Strategy

- Developed with input from ESG experts to ensure that it reflects best market practices.
- Informed by a materiality analysis to identify and prioritise the ESG issues that matter most for the business and are to be addressed.
- Describes our ESG focus areas and sets clear standards that we integrate into our business strategy and management approach.

Integrating ESG into all that we do

Sustainability lies at the heart of what we do at Eden. We are focused on providing innovative and sustainable solutions to the global agriculture industry and beyond.

We want to ensure that this mission extends to and is reflected in our reporting, and we believe that setting high ESG standards means that we can deliver more value to our stakeholders and accelerate the contribution we make to sustainability.

It also means that we can demonstrate high standards of transparency and accountability, helping our investors understand the contribution that we are making to sustainability outcomes and evaluate our performance.

We recognise that integrating ESG is a journey and as for all businesses, this is just the start and we have a lot to learn.

However, I am confident that our committed team and strong processes, coupled with our sustainable innovation platform will deliver outstanding value for our investors and partners.

Sean Smith

Chief Executive Officer

Our ESG Strategy

We deliver bio-innovation to support sustainable agriculture supported by a resilient and efficient supply chain and our sustainable operations.

We integrate Environmental, Social and Governance (ESG) issues into our business strategy and management approach.

Supporting the UN Sustainable Development Goals (SDGs)

The SDGs are a call to action to end poverty, protect the planet and ensure peace and prosperity for all. They define a framework for action for governments and business. Through our products, innovation expertise and sustainable operations we believe we can make a powerful contribution to support the SDGs. We particularly contribute to:

Reducing food waste
Sustainable operations

Protecting soil and ecosystem

A resilient and efficient supply chain

We work with our partners to manage ESG issues across our supply chain

Manufacturing safely
Ensuring high health and safety standards are applied in the manufacture of our products

Protecting the environment and climate
Reducing greenhouse gas emissions, improving resource efficiency, supporting the circular economy and reducing air pollution

Protecting human rights
Protecting human rights and managing risks associated with modern slavery across our supply chain.

Sustainable operations

We apply high ESG standards in our own operations

Acting safely
Protecting our team by applying the highest standards of health and safety in our own operations

Reducing our environmental impacts
Minimising our operational impact by reducing greenhouse gas emissions and reducing waste.

Acting ethically
Applying best practices in business ethics including in the prevention of bribery and corruption, fraud and ensuring legal compliance

Developing a diverse team
Building a diverse, engaged and highly skilled team through the attraction, development and retention of the best talent

Bio-innovation for sustainable agriculture

We deliver innovation through sustainable biopesticides and plastic free encapsulation to improve agricultural sustainability

Safe products
Ensuring our products are safe for people and the environment including in use and disposal

Reducing food waste and toxic residues
Reducing food waste by improving produce treatment and processing and reducing toxic residues

Protecting soil and water
Reducing the application and release of toxic, bio-accumulative or persistent chemicals and plastic pollution to soil and water

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A Resilient and Efficient Supply Chain

Eden works with leading suppliers of raw materials and high-quality manufacturers. We work with our partners to manage ESG issues across our supply chain.

Our ingredients: We apply high standards to ensure the quality and sustainability of the ingredients used for the manufacture of our innovative products, including yeast extract – a key building block of our Sustaine microcapsules, and terpenes – the natural active substances in our plant protection products.

Our manufacturing: We work with leading manufacturers who apply robust sustainability standards to reduce environmental impacts and ensure safety in the manufacture of our products.

Our priorities:

Manufacturing safely
Ensuring high health and safety standards are applied in the manufacture of our products

Protecting the environment and climate
Reducing greenhouse gas emissions, improving resource efficiency, supporting the circular economy and reducing air pollution

Protecting human rights
Protecting human rights and managing risks associated with modern slavery across our supply chain.

Sustainable Operations

We apply high ESG standards in our own operations. Eden Research's operations are centered around the company's laboratory facility in Milton Park, Oxfordshire. Eden Research's team brings deep experience in bio-innovation for sustainable agriculture.

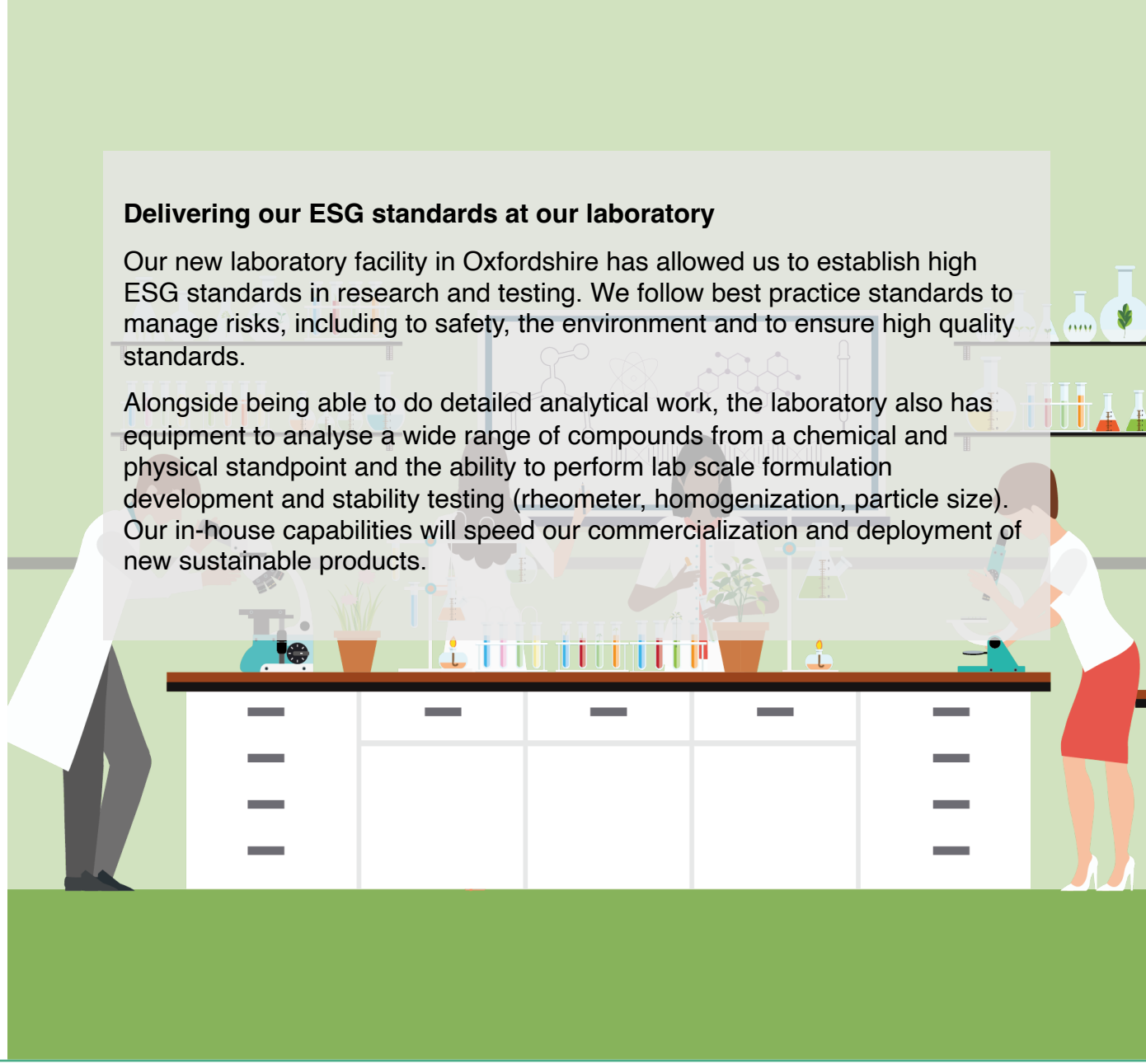
Our priorities:

Acting safely
Protecting our team by applying the highest standards of health and safety in our own operations

Reducing our environmental impacts
Minimising our operational impact by reducing greenhouse gas emissions and reducing waste.

Acting ethically
Applying best practices in business ethics including in the prevention of bribery and corruption, fraud and ensuring legal compliance

Developing a diverse team
Building a diverse, engaged and highly skilled team through the attraction, development and retention of the best talent



Delivering our ESG standards at our laboratory

Our new laboratory facility in Oxfordshire has allowed us to establish high ESG standards in research and testing. We follow best practice standards to manage risks, including to safety, the environment and to ensure high quality standards.

Alongside being able to do detailed analytical work, the laboratory also has equipment to analyse a wide range of compounds from a chemical and physical standpoint and the ability to perform lab scale formulation development and stability testing (rheometer, homogenization, particle size). Our in-house capabilities will speed our commercialization and deployment of new sustainable products.

Bio-Innovation for Sustainable Agriculture

We lead innovation in sustainable biopesticides and plastic-free encapsulation to deliver products that improve agricultural sustainability. Our innovative products are derived from natural plant chemistry and used on high-value fruits and vegetables to improve crop yields and marketability. They address key sustainable agriculture drivers including:

Consumer demand for chemical free produce

Protecting soil health and reducing impacts to biodiversity

Our priorities:

Safe products
Ensuring our products are safe for people and the environment including in use and disposal

Reducing food waste and toxic residues
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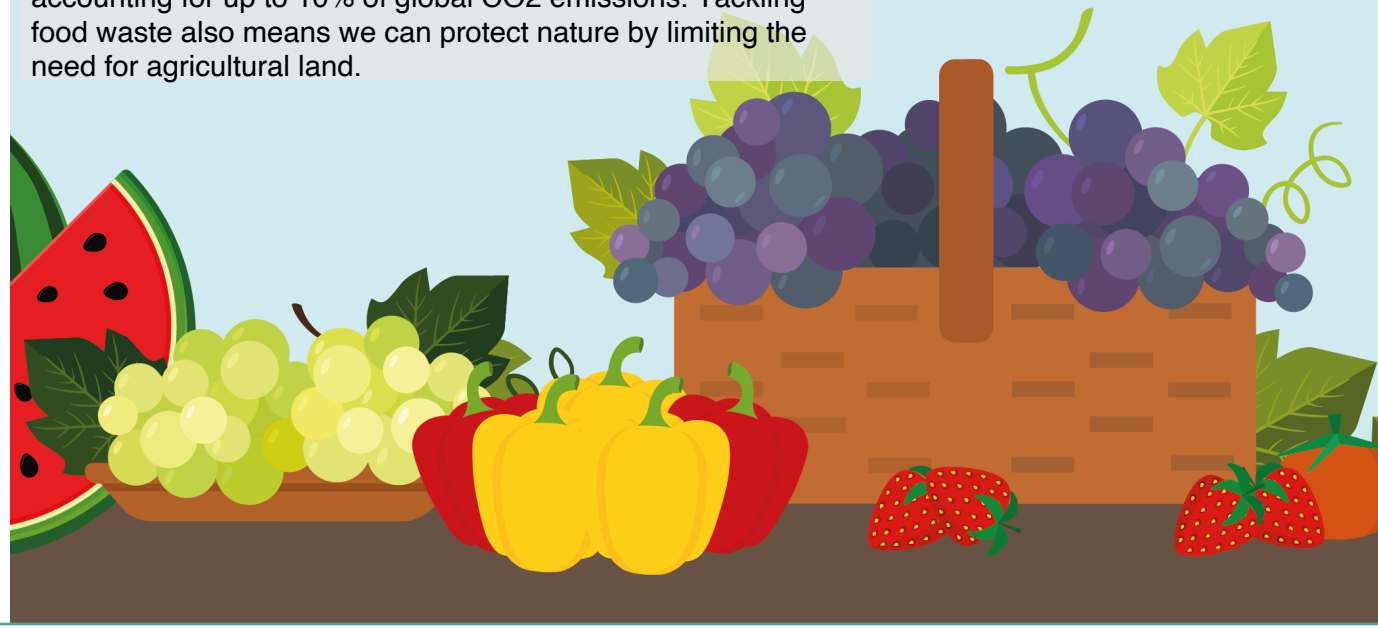
Case Study - Our Impact on Food Waste

Eden's product, Mevalone, can be used to extend the shelf-life of produce. Approved for use on grapes, apples, kiwis, aubergines, pomegranates and spring onions. Mevalone is exempt from pesticide residue limits due to its favourable safety profile. In contrast to conventional chemistries, it can be applied up to the point of harvest giving flexibility to growers and allowing treatment to extend shelf life.

Extending shelf life can dramatically reduce food waste in the supply chain and consumer homes. Globally 25-30% of all food produced is wasted. Not only does this have a significant financial impact on the food industry and in homes, but it also has a significant impact on our climate with food waste accounting for up to 10% of global CO2 emissions. Tackling food waste also means we can protect nature by limiting the need for agricultural land.

25-30%
of food is wasted globally



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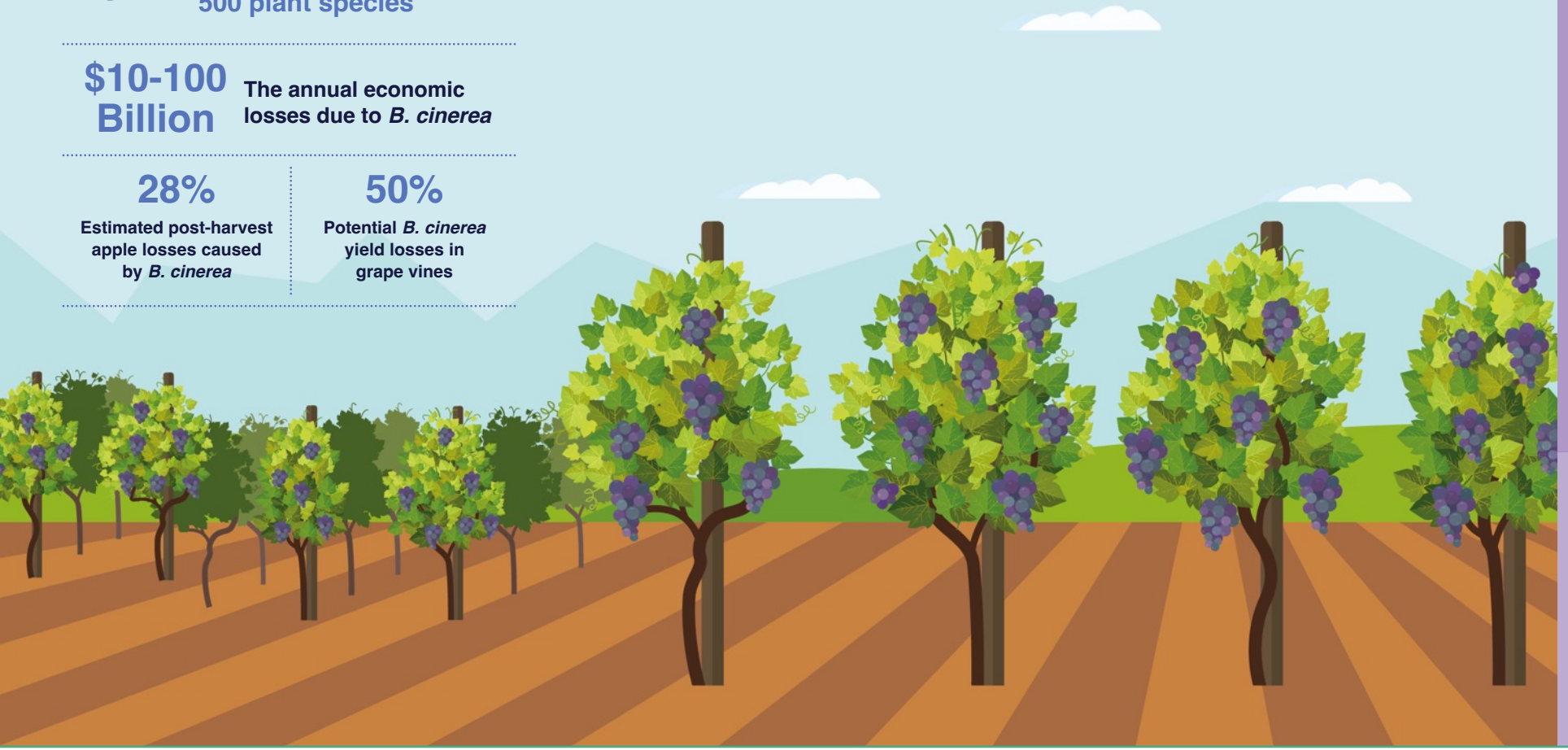
Case Study – Mevalone: The Global Economic Impact of Botrytis

Botrytis cinerea is one of the most extensively studied fungal pathogens and causes "gray mold" rot in more than
500 plant species

$10-100 Billion The annual economic losses due to ***B. cinerea***

28%
Estimated post-harvest apple losses caused by ***B. cinerea***

50%
Potential ***B. cinerea*** yield losses in grape vines



MEVALONE SUSTAINE™ CS

Sustainable Control

- Mevalone® is used as a preventative and curative solution for *Botrytis cinerea*.
- Terpene active ingredients, derived from nature, mean the product has a favourable environmental profile.
- The multi-site mode of action means risk of resistance is minimised.
- Free from residue limits and with short pre-harvest intervals – providing growers with maximum flexibility.

8%

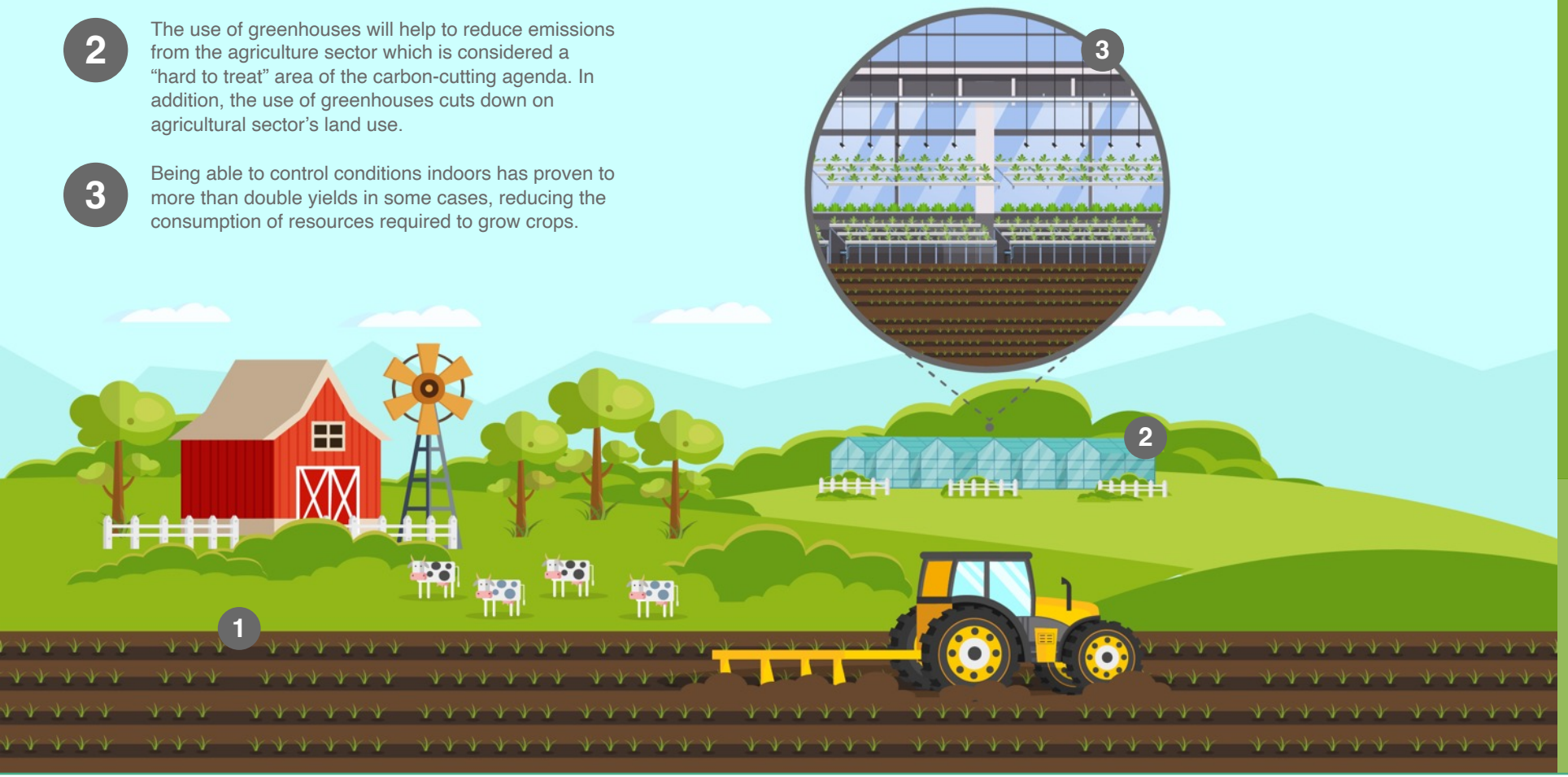
The cost of control of Botrytis and related species accounts for about 8 per cent of the fungicide market worldwide.

Case Study – Cedroz: High Value Food Crops in Open Field and Greenhouse Environments

1. The majority of crops in Europe are grown in open field, however, there is an increasing level of investment in greenhouse and glasshouse farming, especially for salad vegetables.

2. The use of greenhouses will help to reduce emissions from the agriculture sector which is considered a "hard to treat" area of the carbon-cutting agenda. In addition, the use of greenhouses cuts down on agricultural sector's land use.

3. Being able to control conditions indoors has proven to more than double yields in some cases, reducing the consumption of resources required to grow crops.



CEDROZ™
post-planting nematicide

Science Spotlight

- Cedroz is a water-based formulation which utilizes Eden's terpene technology to naturally fight nematodes, a pest known to cause severe damage to crops globally in both open fields and greenhouses.
- In line with consumer and regulatory drivers for safer products, Cedroz is an attractive alternative for farmers looking to fight nematodes in an environmentally friendly way.
- Cedroz can be used on a wide range of crops including tomatoes, strawberries, cucumbers, courgettes, peppers, aubergines and melons.

"In Cedroz, we have developed a biopesticide that meets the demands of modern-day farming, whether that is in an open field or greenhouse environment."

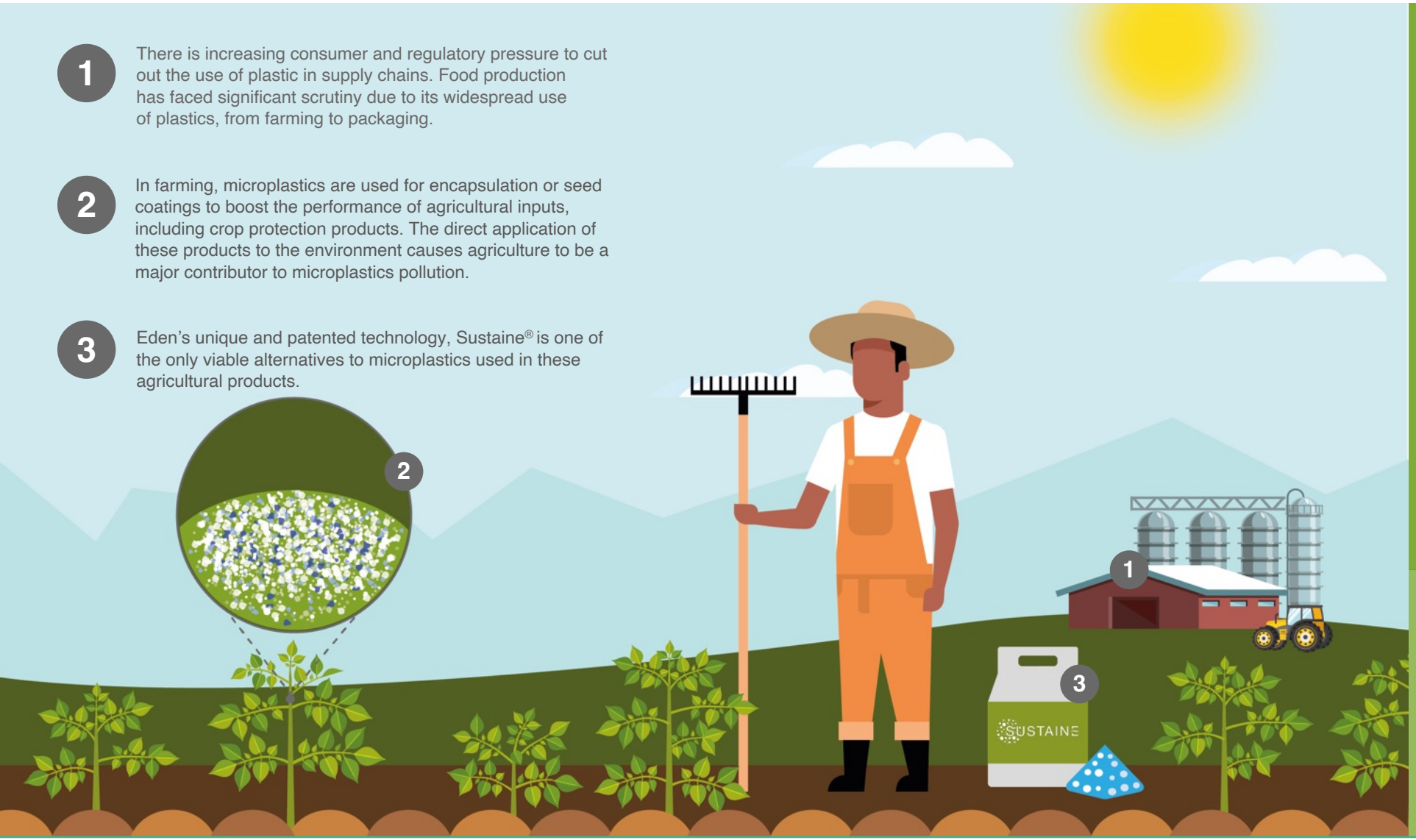
Sean Smith,
CEO of Eden

Case Study – Sustaine: Eliminating Microplastics in Soil

1. There is increasing consumer and regulatory pressure to cut out the use of plastic in supply chains. Food production has faced significant scrutiny due to its widespread use of plastics, from farming to packaging.

2. In farming, microplastics are used for encapsulation or seed coatings to boost the performance of agricultural inputs, including crop protection products. The direct application of these products to the environment causes agriculture to be a major contributor to microplastics pollution.

3. Eden's unique and patented technology, Sustaine® is one of the only viable alternatives to microplastics used in these agricultural products.



SUSTAINE

Sustainable Control

- Sustaine microcapsules are naturally-derived, biodegradable micro-spheres produced from yeast extract.
- The patented technology produces stabilised aqueous emulsions which are easy to mix and apply and have phased release patterns.
- Sustaine is used to encapsulate active ingredients in Cedroz™ and Mevalone® and is effective with other natural and synthetic compounds.
- Eden is engaged in a number of projects around the world to test the compatibility of Sustaine with third party active ingredients.

Changing regulation

Pressure is building to cut out the use of microplastics in agriculture. A landmark proposal from the European Chemicals Agency (ECHA) will restrict the use of microplastics in agricultural products as part of a wider ban on the intentional use of plastics.

How we will deliver on ESG

- **Integrated into the business**: We integrate ESG into our business strategy and management practices and consider the implications of key business decisions on our ESG performance.

- **Integrating ESG into innovation is a key focus**: As an innovation led business our innovation strategy and pipeline are key opportunities to deliver improved ESG outcomes. We actively consider ESG opportunities and risks in our innovation strategy.

- **Integrating into governance**: We integrate ESG considerations into roles and responsibilities of key leaders.
    - Delivery of our ESG plan is the responsibility of the Eden Research CEO.
    - Our ESG Steering Committee coordinates and drives our ESG actions.
    - We report our performance regularly to the Board.

Our future plans

Our next steps on ESG are to:

- Identify and address gaps in our ESG management
- Establish specific ESG targets, including KPI's and metrics
- Define reporting output

"This is just the first step in creating a more comprehensive ESG strategy for Eden and is part of a journey that we look forward to taking with investors interested in a more sustainable future."

Sean Smith, CEO, Eden Research plc

ESG Drives our Future Growth

The sustainability challenge:

Our agricultural system faces the dual challenge of safely feeding a growing population while decarbonizing and protecting nature.

Leadership in bio-innovation positions Eden Research for growth:

Our unique technologies provide important solutions to some of the most pressing sustainable agriculture challenges. As the world transitions towards a sustainable agri-food system, products that can deliver more sustainable outcomes are set for significant growth.

Our ESG approach will drive impact:

Our sustainable agriculture solutions, delivered through our integrated ESG platform make Eden Research an exciting opportunity for ESG investors.

By 2050, global food systems will be responsible for feeding more than nine billion people

"Eden formulations are well suited for a wide range of crop protection applications. The fact that our Sustaine® encapsulation technology is completely free from microplastics is just one of the elements that makes them stand out in this rapidly evolving market."

Sean Smith, CEO, Eden Research plc