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THE NATURAL SOLUTION

Eden Research plc 2022 Interim Results

30th September 2022

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.

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About us

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

- Intellectual property and expertise in plant-derived sustainable chemistry and delivery technologies
- Proven products
- Multiple regulatory clearances
- Strategic partnerships
- Two products commercially available





Key statistics



Consumer products **19** Countries have granted product authorisation



Crop protection



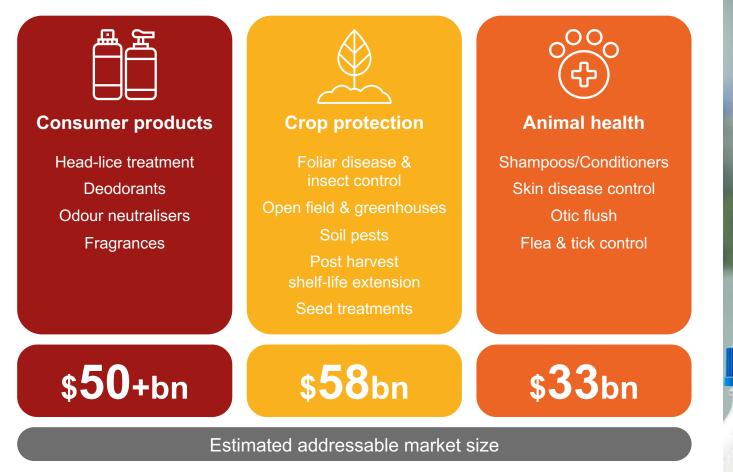
Animal health **66** Crop use approvals for Eden's biopesticides

£15m Invested in IP & registrations

Granted and pending patents

Industry applications

We work globally through multi-national and local partnerships to develop and launch solutions for challenges facing three key industries.





Significant Market Potential

Crop protection products **formulated with Sustaine® and Eden's active ingredients** can help address many of these issues:



Consumer concerns over food safety



Increasingly challenging regulatory requirements



Farmers seeking effective alternatives

\$11bn

The global biopesticides market is projected to be worth more than **\$11 billion by 2027**

15% per annum

The biopesticides market is growing at a CAGR of approximately **15% per annum**

\$300m

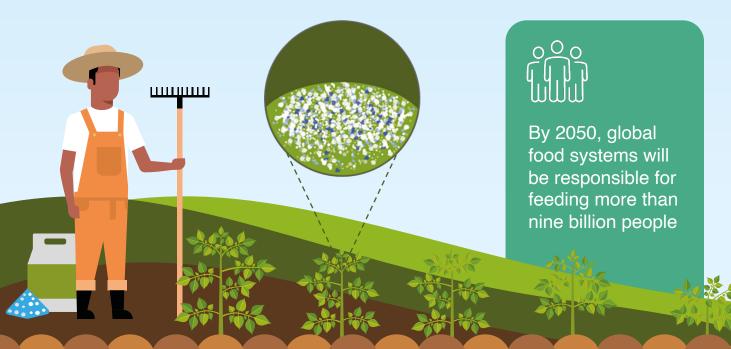
Increasing time and cost of bringing new agrochemical products to market: **10 to 12 years and around \$300 million**

The Drive Towards Sustainable Agriculture

Farming practices which maintain yields while increasing benefits for the environment

A reflection of society's increasing concern about the world's approach to food production and healthy eating Embracing farming practices that mimic natural ecological processes

A win-win for farmers and the environment



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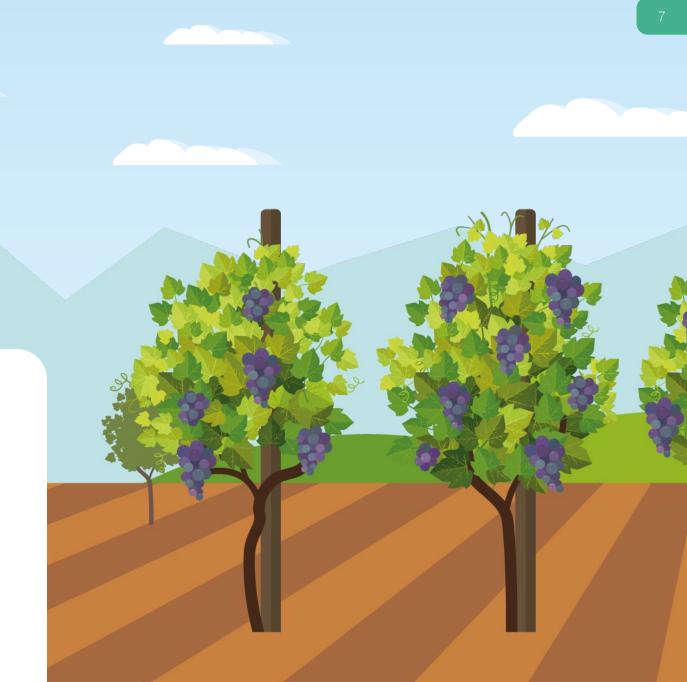
Eden formulations are well suited for a wide range of crop protection applications. The fact that our Sustaine[®] encapsulation technology is completely free from microplastics is just one of the elements that makes them stand out in this rapidly evolving market.

Sean Smith CEO, Eden Research plc

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H1 2022 Overview and Results



H1 2022 Overview

Portfolio Expansion



The expansion of Eden's existing portfolio into seed treatments and insecticides aligns perfectly with our values of focusing on sustainable solutions for agricultural challenges.

Significant product sales growth (up 53% vs H1 2021) after two challenging years with overall growth expected for FY 2022 and beyond Regulatory approval received from the United States Environmental Protection Agency (EPA), for all five petitions submitted, covering the Company's three active ingredients (eugenol, geraniol and thymol) and two formulated products (Mevalone ® and Cedroz™) Other notable approvals included Mevalone® label extensions in Italy (sold under the brand "3logy®", by Sipcam-Oxon)

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Eden's new insecticide product heading towards commercialisation with extensive registration and commercial evaluation field trials ongoing in 2022

Commercialisation of the seed treatment product developed as part of the Corteva project remains on track with commercial launch possible in advance of the 2024 growing season (subject to regulatory approvals)

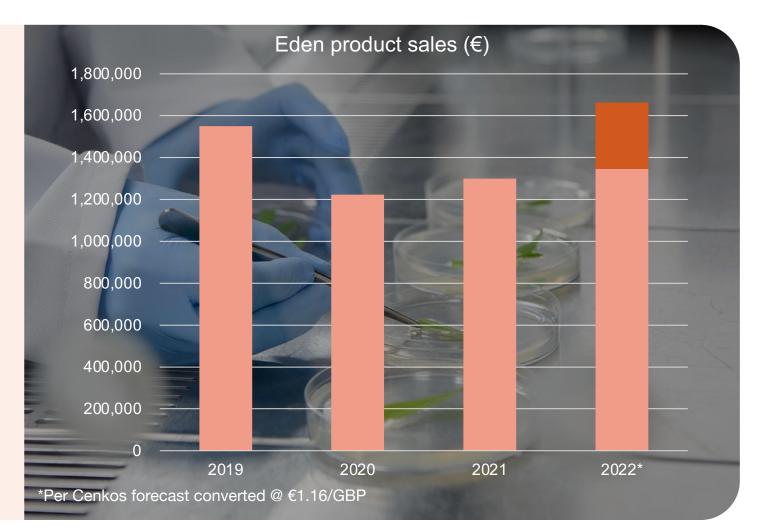
Product sales growth Eden product sales 2019 - 2022

Sales of Mevalone made by our distribution partners in the same period reflect a positive overall trend driven by the addition of new territories (e.g., Australia) and label expansions (e.g., Spain).

Despite a small decrease in 2020, there is a general growth trend (14% year-on-year) in distributor sales of Mevalone over the four-year period, exceeding industry estimates of 12% growth during the same period.

We expect to return to strong sales growth in 2022 even when only considering the countries in which we currently have approval.

Growth is anticipated at both the producer level (Eden) and distributor level (Sipcam, et. al.).

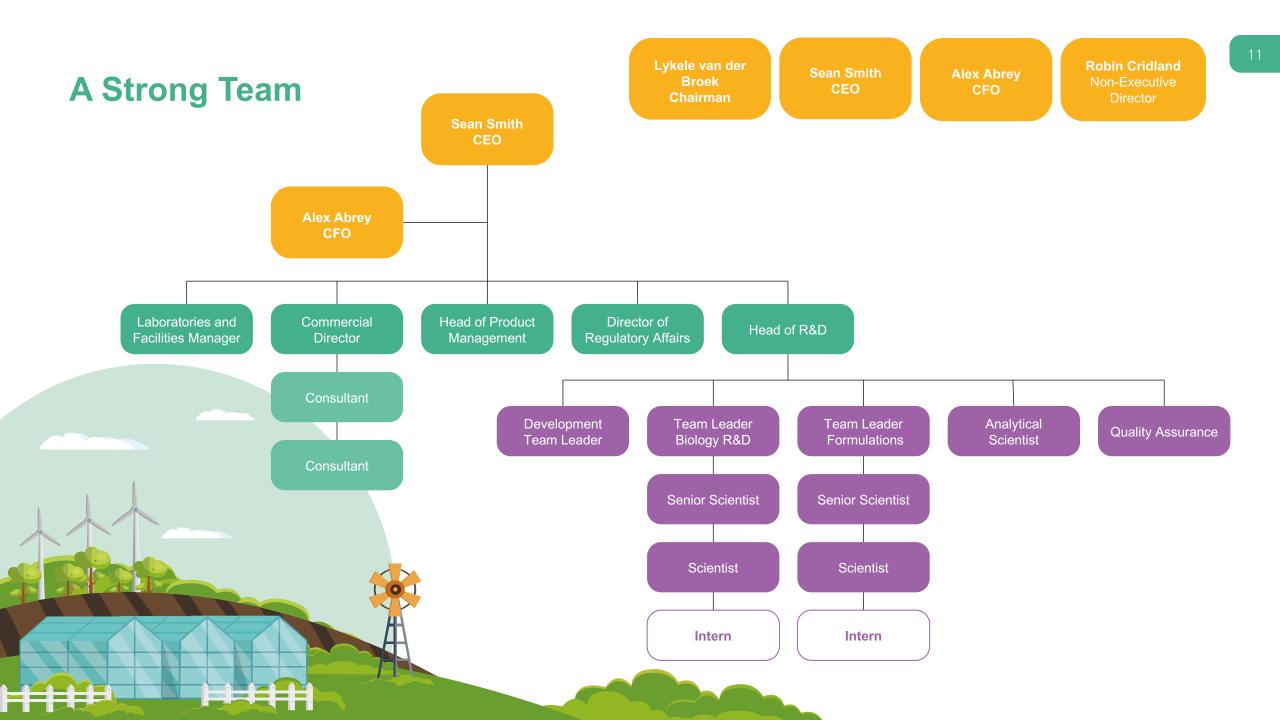


2022 Interim Results

Overview:	H1 2022	H1 2021
Revenue	£1.04m	£0.79m
Product sales revenue	£1.01m	£0.66m
Other revenue	£0.03m	£0.13m
Administrative expenses	£1.3m	£1.3m
Capitalised development and IP costs	£0.7m	£0.9m
EBITDA loss (excl. share-based payments)	£0.8m	£0.8m
Loss before tax	£1.3m	£1.8m
Cash	£1.9m	£5.7m

Notes:

- Product sales increased 53%
- Sales of Mevalone continued to be negatively impacted for use on wine grapes, due to a decline in demand compared with pre-Covid levels.
- Milestone payments of £0.14m invoiced by Eden to Corteva in 2021 and subsequently received, treated as deferred income under IFRS-15 as part of the audit process.
- Admin expenses increased due to the introduction of new team members, primarily in the R & D team.



Innovation Capacity

Development of in-house R&D – reduces dependency on third parties, CROs, etc.

In-house capabilities now include formulation, microbiological screening, plant and seed evaluations and analytical work. Laboratories are now GLP-ready and operating to this standard adding credibility and opportunities for cost savings and revenue generation.

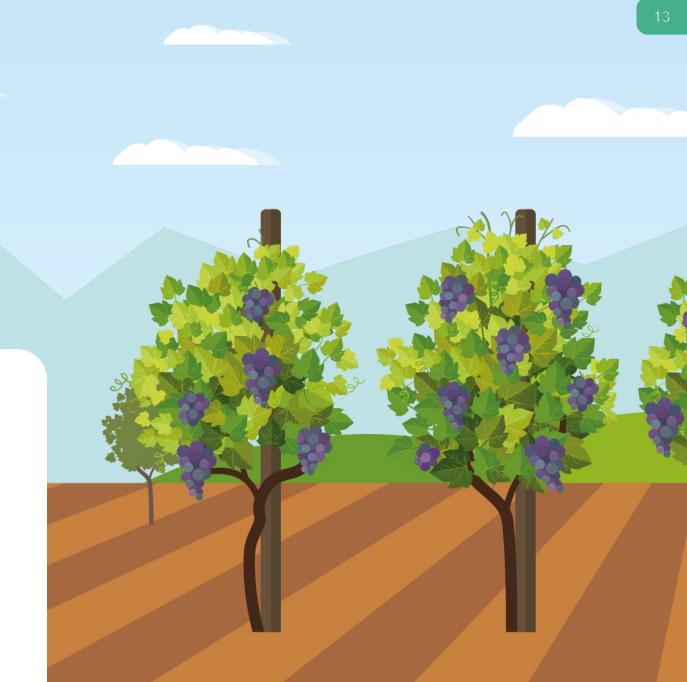
Costs partially offset by reduced external spend on CROs, significantly reduces development cycle time, enables new IP development. Progress is being made on the potential benefits of the second-generation encapsulation technology licensed in from University of Massachusetts Medical School.

The Company's patent portfolio, including new patent filings, is managed by D Young & Co.

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Strategy and Investment Case



Our Strategy



- Pursuit of opportunities in seed treatments
- Development of insecticides
- Ongoing work with Elanco Animal Health to launch new products
- Expand crops and diseases treated
- Geographic diversification (seasonal and climate variation)



- Supply chain optimisation
- Expansion of in-house screening and field trials capability
- Accelerate commercialisation of Sustaine
 ® for conventional actives
- Increasing self-reliance for R&D
- Reduce time to market



- Regulatory clearance in new countries, crops and diseases
- Accelerate Sustaine®
 development
- Partnerships for Mevalone[®] in new territories
- Pursue collaboration with majors and select national partners
- Route to market optimisation



- Added capacity in R&D, including microbiology, plant biology, agronomy, and analytical chemistry
- Robust approach to data quality
- Expand commercial team
- Addition of in-house regulatory expertise – accelerating time to market and reducing regulatory costs

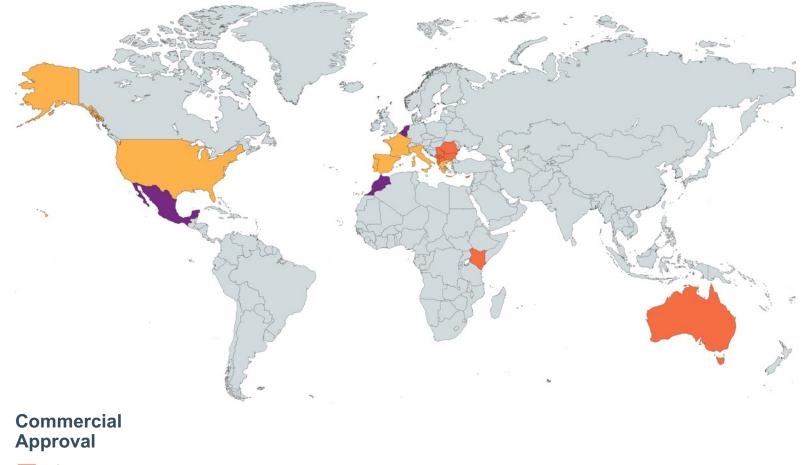








Commercial Footprint



CEDROZ[™] post-planting nematicide

> MEVALONE & CEDROZ post-planting nematicide

Our presence in Europe grew in 2020-21 through new authorisations for both Cedroz[™] and Mevalone[®], and we anticipate further approvals in Europe and further abroad in 2022.



There was a total of six new approvals in 2021.

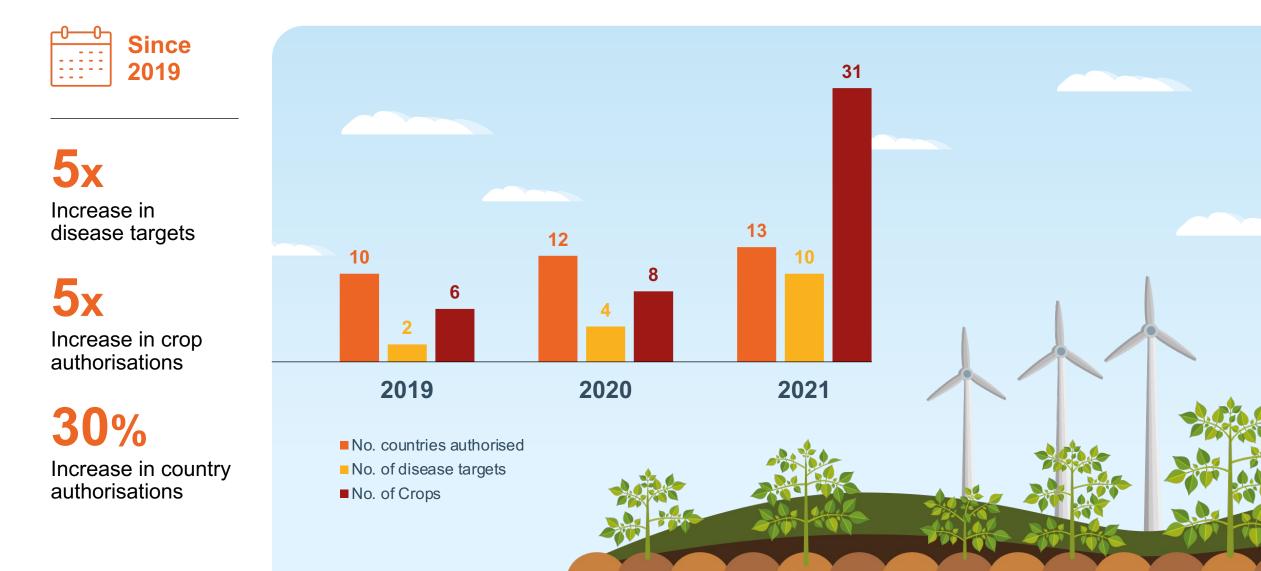
Our US EPA approval for the sale of Mevalone[®] and Cedroz[™] was received this year.

A B

We have commercial partners in place across six continents to support future expansion.



Mevalone[®] Regulatory Progress 2019 - 2021



Regulatory position



EFSA (EU)

EPA (US)

- Application for the renewal of Eden's three active ingredients (eugenol, geraniol and thymol) has been submitted to EFSA for its review.
- The renewed approvals will provide an additional ten years of data protection.
- Much of the newly submitted data will likely be useful for active ingredient and product registrations in other parts of the world.

EPA authorisation of Eden's three active

 This will allow for some sales of Mevalone, in particular, in 2022, but should result in

meaningful sales in 2023 and beyond.

was received in September 2022.

ingredients, as well as Mevalone and Cedroz,



Organic (EU)

- All three of Eden's active ingredients have been approved as inputs for organic agriculture in the EU.
- The organic market in the EU is expanding at a faster pace than any other part of the agrochemicals sector and, as such, the ability to sell inputs for organic agriculture is a valuable tool for Eden.



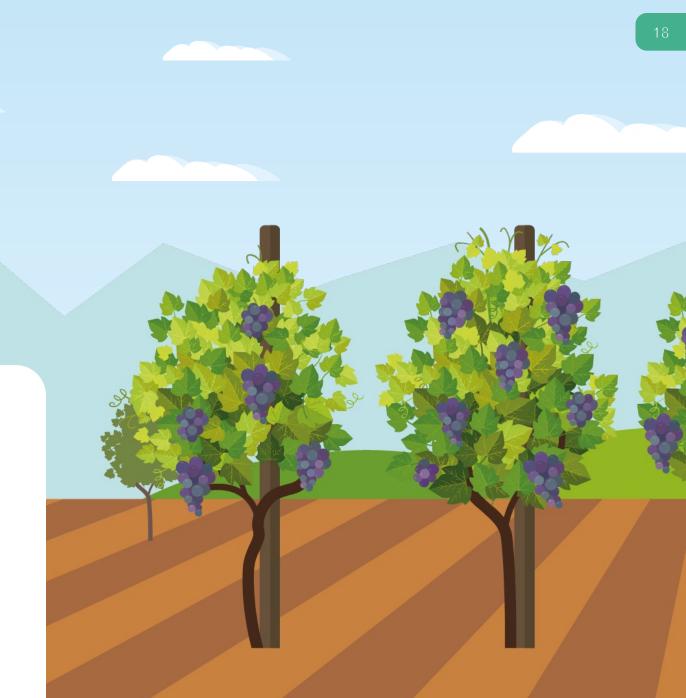
Rest of the World

- Eden is working with Sipcam Oxon to expand registration in key territories around the world, including Brazil, Argentina, Chile, South Africa and New Zealand.
- Authorisations anticipated in Morocco and Tunisia in 2023

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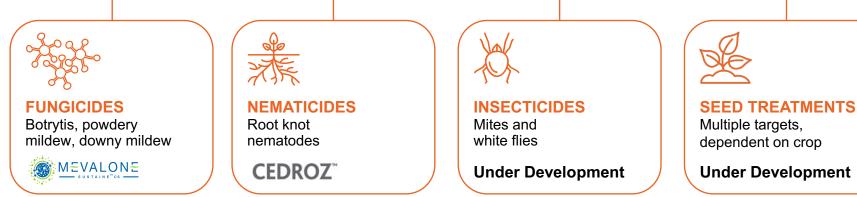
Organic Growth: Current Products



Our product focus

Our focus is on developing products based on sustainable chemistries to protect crops from pests and disease, with equal or better performance when compared with conventional pesticides.





Active ingredients

Our products give growers reduced risk, increased flexibility and security.

Exempt from pesticide residue limits



Can be used up to the point of harvest

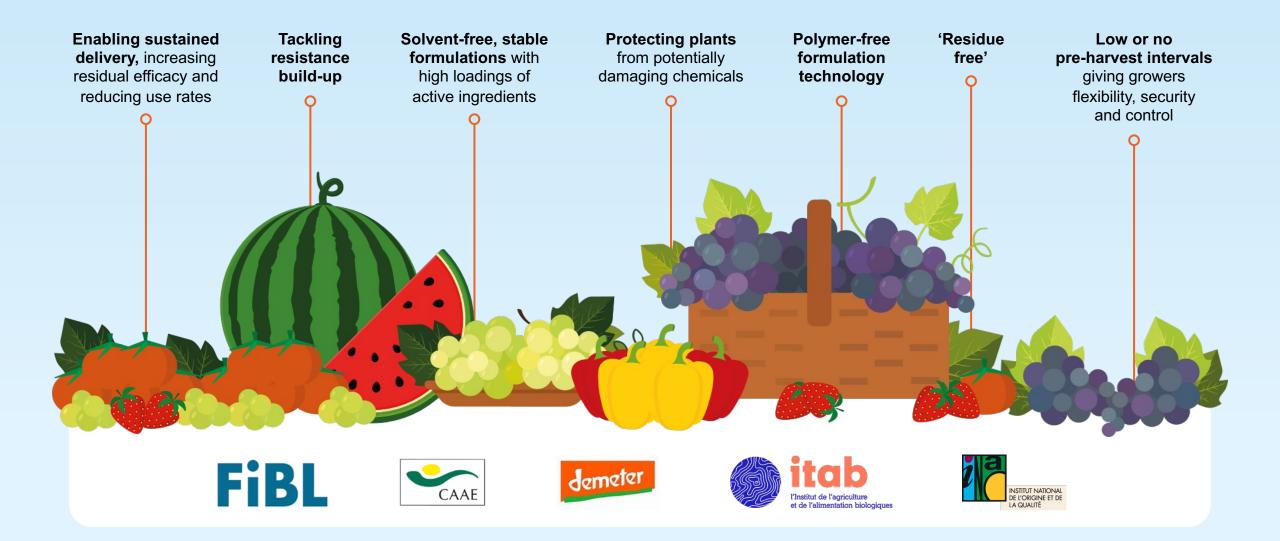


Equally effective
 vs conventional
 chemistry



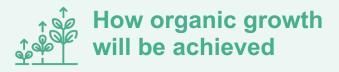


Product Characteristics



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Positive Outlook for Organic Growth



The team at Eden now has the necessary capabilities to formulate, develop, test (up to pot plant level) and register products that it has created.

Label extensions and country approvals of Mevalone and Cedroz continue to increase, which directly increases the Company's addressable market.

Numerous applications for regulatory approval of Mevalone and Cedroz are pending around the world in key markets:

• UK, Germany, Poland, New Zealand, Morocco, Tunisia, etc.

The pipeline of products that Eden is developing covers the following addressable markets/applications:

- Seed treatment
- Insecticide
- Downy mildew
- Cannabis
- Potato Cyst Nematodes
- Potato Blight

Projects with multiple partners are well underway using Eden's Sustaine encapsulation technology with third party active ingredients, tackling the ever-increasing issue of intentionally-added microplastics.

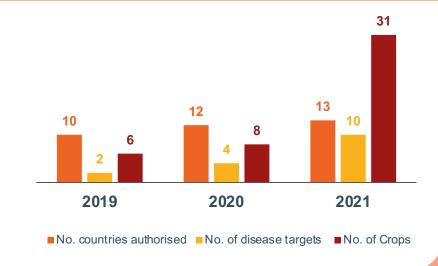


Mevalone[®] Biofungicide

Background

Mevalone is a foliar biofungicide which was developed initially to target botrytis on grapes.

Since its launch in the EU in 2016, the **label for Mevalone has been significantly expanded**, as shown in the table below:



Current status

Approved in Southern EU on a wide range of targets and crops

Approved in Kenya and Australia

Approval in the US received in September 2022

Approval in New Zealand expected in 2022

Approval in Central EU expected in 2023 – SumiAgro appointed

Approval in the UK expected in 2023 – Distributor appointment pending

Submissions pending for approval in various other key markets around the world, including Brazil, South Africa, Chile, Argentina

Opportunity	Current	Future			Total	
	S.EU	ROW	US	C.EU	ROW	
Addressable market €m	101	10	94	106	271	582
Potential Eden sales €m*	* 3.0	0.3	2.8	3.2	5.4	14.7

MEVALONE

Cedroz™ Bio-nematicide

Background

Cedroz is a **bio-nematicide targeting root-knot nematodes** in high value crops.

A development and **commercialisation agreement was signed with Eastman Chemical** in December 2016.

The **agreement covers 29 countries** on providing Eastman with the exclusive distribution rights.

Sales of the product began in the EU in 2020.

Approval has also been granted in the US on all nematode species.

Current status

Approved in Southern and Central EU on a wide range of high-value crops

Approval in the US received in September 2022

Sales growth has been slower than expected for various reasons

Submissions made for approval in various additional key markets around the world

Opportunity	Current			Future	Total
	EU	ROW	US	ROW	
Addressable market €m	113	8	189	301	611
Potential Eden sales €m*	2.3	0.2	5.7	6.0	14.2



CEDROZ[™] post-planting nematicide



Downy mildew Filling a gap in the market

Background

Due to the recent restriction of a number of key downy mildew products, there is a **strong need for replacement products**.

Eden has already tested Mevalone against downy mildew in the past with encouraging results.

Now that key competitor products are being removed from the market, the **opportunity to sell Mevalone as part of an integrated pest management programme has arisen.**

The key market, in the first instance, is France.

Current status

Second year regulatory field trials are complete with good results received.

There are currently **three potential partners for the product**, two of whom are existing distributors, who have already expressed a strong interest in this opportunity.

Regulatory submissions are planned for Q4 2022 in the EU.

Opportunity	Future			Total	
	France	S.EU (exc. France)	US	ROW	
Addressable market €m	272	592	144	1,392	2,400
Potential Eden sales €m*	8.2	11.8	4.3	13.9	38.2



Significant additional growth opportunities



Cannabis

Eden has been approached by a new potential partner to see if Mevalone, or any other Eden formulation, would be suitable to target the cannabis market in the US and Canada.

The targets for the crop include botrytis, which is well known to Eden and against which Mevalone is highly efficacious on numerous other crops.

A project plan is under development with field trials taking place in 2022.

Cannabis has multiple crop cycles per year, meaning that the necessary field trials for efficacy and regulatory purposes can be undertaken in a relatively short timeframe.

Due to recent legislation changes in Canada and the US, the pesticides market for cannabis is growing rapidly, with particular focus on sustainable products, such as Eden's.

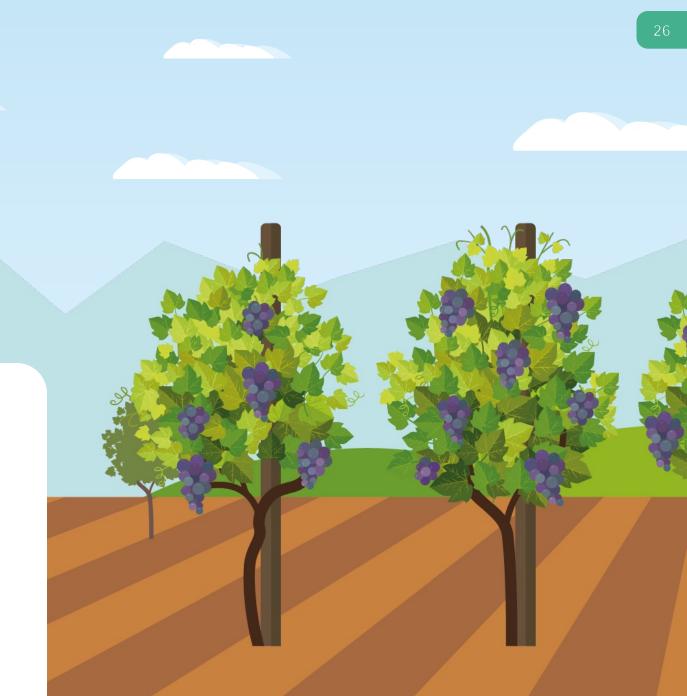
Other

Evaluations in additional areas of significant commercial potential include black sigatoka (banana), potato blight and potato cyst nematodes. In each case, the initial evaluations have produced encouraging results.

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Organic Growth: New Products



Seed Treatments

What are Seed Treatments?

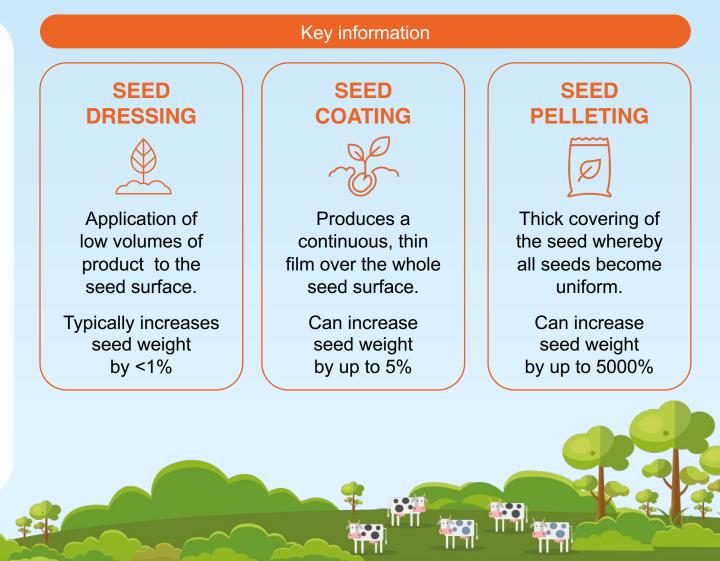
Physical, biological or chemical agents applied to seeds to provide protection and help improve overall crop performance

Multiple functions: supporting greater uniformity of seed germination, plant height, vigour and biomass by protecting against pathogens and pests and/or can act as a source of crop nutrition or growth regulation.

Treatments are typically applied either as a solid/ dust or as a liquid.

Colourants are used in seed treatments to give a clear indication that a seed has been treated and to confirm uniformity of the coating.





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Seed Treatments – Corteva On the path to commercialisation

Background

Two incumbent ingredients used in Corteva's seed treatment products have been, or will shortly be, **banned in key** markets.

Eden has developed a formulation for use in seed treatments for a specific application area.

A development and commercialisation agreement was signed with Corteva in May 2021.

Initial markets are the EU, plus the UK.

In time, it is expected that the product will be commercialised into other geographies, such as the US.

Current status

Semi-field studies have shown good efficacy

Field trials, undertaken by both parties, showed efficacy and produced successful trials

Formulation testing by Corteva has been successful

We are aiming to submit an application for regulatory authorisation as soon as possible. If successful, this will result in sales of the product by Eden to Corteva in time for the 2024 growing season.

Opportunity	Current	Fut	ure	Total
	EU, UK	EU, UK	US	
 Addressable market €m	40	95	240	375
Potential Eden sales €m*	3.6	8.6	21.6	33.8

Insecticide Significant opportunities for effective, new products

Background

Due to a ban on numerous insecticides, such as neonicotinoids, there is a large opportunity for effective, new products.

Eden has developed **new formulations for use as an insecticide against at least four key target pests**, including spider mites, whitefly, aphids and thrips.

Formulation stability issues led to a change in formulation in 2020.

Two lead formulations were created, both of which have shown good efficacy in field trials.

Field trials of the current formulations have taken place in 2021 and 2022.

Current status

Initial data received from the field trials undertaken in 2022 shows good efficacy, consistent with that in 2021

Following successful trials, Eden has provided samples of the final formulation to a list of potential distribution partners

It is expected that announcements on the appointment of distribution partners will be made in due course

Regulatory submissions are planned for 2023 in both the US and EU

Subject to regulatory authorisation, first sales of product are estimated to be 2024/5 in the US and 2025/6 in the EU

Opportunity	Future		Total	
	EU, UK	US	ROW	
Addressable market €m	338	237	1,320	1,895
Potential Eden sales €m*	6.2	6.8	17.4	30.4

Sustaine[®] projects Addressing the rising microplastics issue

Background

In addition to using microencapsulation system, Sustaine, in our in-house developed products, such as Mevalone and Cedroz, it is possible to use Sustaine with third-party active ingredients.

Using Sustaine brings multiple benefits including formulation stability, residual effect and patent protection.

More recently, the **issue of microplastics**, which are currently used in agrochemical formulations has **created a new demand for plastic-free**, **sustainable alternative encapsulation systems**.

Eden has received numerous enquiries about using Sustaine with third party active ingredients.

Current status

Field trials underway with multiple industry partners.

Decisions regarding future evaluations based upon current trials are expected in due course.

The EU has recently provided likely timescales for the ban on the use of intentionally added microplastics in agchem.

Opportunity	Future		Total	
	EU	US	ROW	
Addressable market €m	TBC	TBC	TBC	TBC
Potential Eden sales €m*	TBC	TBC	TBC	TBC



Outlook

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Strong balance sheet and a return to year over year growth despite challenging conditions



Moving forward with our new products, including insecticide products, seed treatments and optimised fungicides



Additional regulatory approvals expected in 2022 with commercial impact this year and beyond



In-house work including formulation, microbiological screening, plant and seed evaluations and analytical work now working to GLP standards and producing results and shortened development cycles



