



SoilWealth | ICP
nurturing crops · protecting crops

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Biostimulant Products: Cutting through the noise

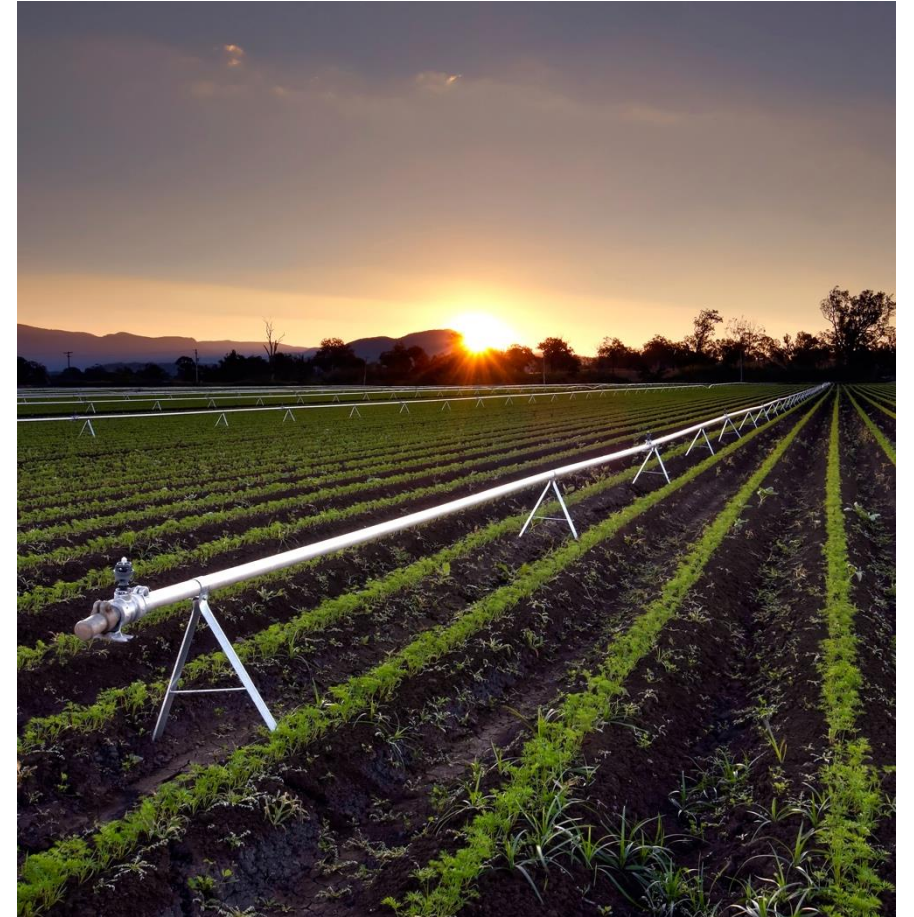
Jeff Kraak (Fertilizer Australia) and Sophia Thach (Applied Horticultural Research)

Webinar | 20 March 2026



What We Will Cover Today

1. Definitions and biostimulant categories
2. Macro trends and challenges
3. Biotimulant Code of Practice
4. Efficacy claims
5. Key questions to ask suppliers
6. Tips for trialing products on your farm
7. SWICP Biological Products Database overview
8. Questions
9. Tell us your thoughts



Biologicals Work Best in Healthy Soil Systems

Soil health is the foundation.

Biologicals are the *cherry on the cake* — but the cake must be good first.

Key foundations for success:

- Soil condition
- Balanced nutrition
- Crop rotations
- Compatibility with conventional inputs
- Organic matter is the engine of soil biology
 - Target OM >5% or OC >3% where possible
 - Compost and organic amendments
 - Cover crops
 - Reduced tillage



Biological Products Database

- A good starting point
- What's out there
- Types and functions
- Active ingredients
- Registered (APVMA)
- Trial information



RMCG



About this database and how to use it

This Biological Products Database is a tool for growers that will assist with navigating the array of 'biological' products currently available to their farming business. We have compiled the information in response to questions from growers about available products. (Webinar on biopesticides available [here](#).)

Definition

'Biological' products (also called 'biologicals') are defined as those that are derived from living organisms (plants, animals, microorganisms, fungi). The term encompasses a diverse range of products, and this is a fast-growing segment of agricultural inputs (definition from [www.croplife.org](#)). This database includes a column that indicates

whether products have APVMA registration (Australian Pesticides and Veterinary Medicines Authority). Registered products are known as 'Biological Crop Protection' products. If a product is used for crop protection (i.e., used as a biopesticide) it must be registered for use in the crop and situation it is applied in. Contact the APVMA or Hort Innovation for more information. For products not registered with the APVMA, potential effects suggested by manufacturers are NOT efficacy claims and data on potential for phytotoxicity or residues do not exist.

How was the database developed?

We have gathered information primarily from the manufacturers, via their websites and/or their representatives. We have attempted to reduce confusion by only including critical information for each product. We will include references to independent research as and when it becomes available.

The database is a work in progress

The database is a work in progress and is not comprehensive. We have not carried out reviews of science-based literature for each product. If a column or cell is blank, it does not mean that there is no information, just that it may not be publicly available (this is particularly the case for independent trial information). The database will be updated and published regularly as information becomes available.

Is anything missing?

If you know of any products or trial information we have not included, or details that are inaccurate or incomplete, please either complete the spreadsheet at the bottom of this [webpage \(www.soilwealth.com.au/resources/global-scan-and-reviews/biological-products-database/\)](#) and/or get in touch - rm@rmcg.com.au.



This project has been funded by Hort Innovation using the vegetable and melon research and development levies and contributions from the Australian Government. Hort Innovation is the grower-owned, not-for-profit research and development corporation for Australian horticulture.

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Soilwealth.com.au/2025/11/biological-products-database/ or visit soilwealth.com.au and search for 'biological products database'

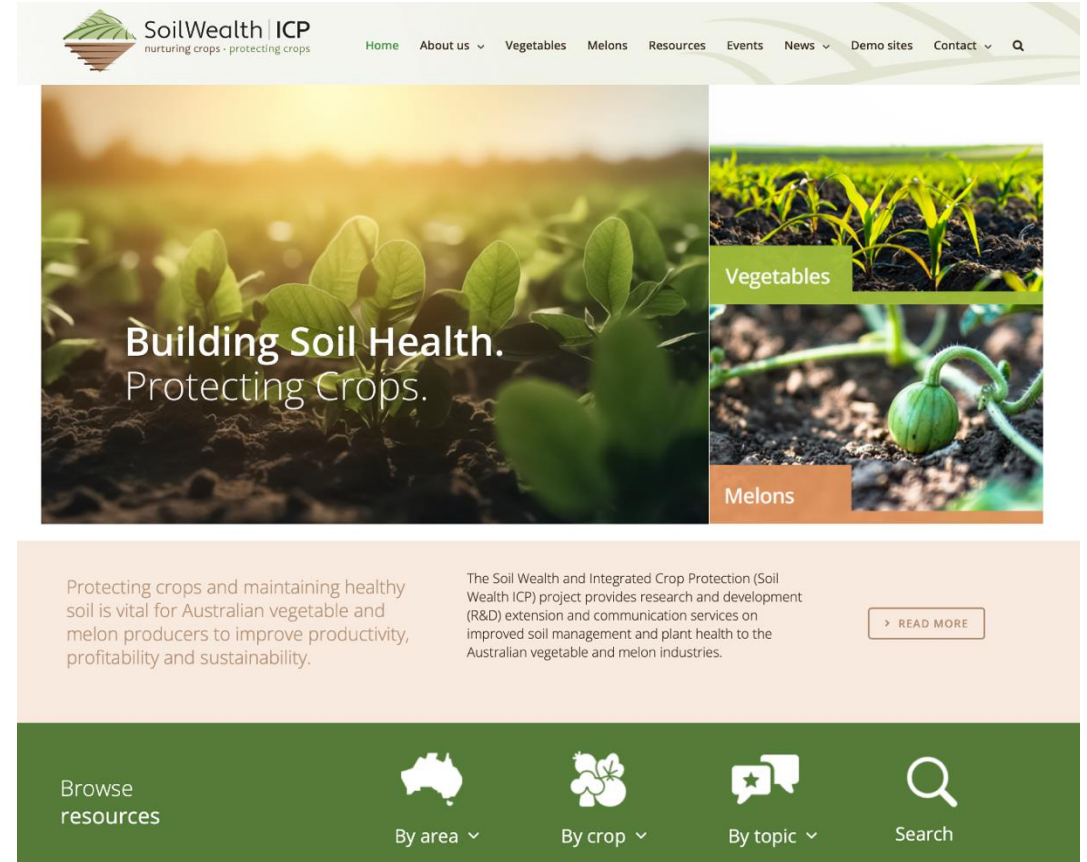


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Visit soilwealth.com.au

- Soil biology masterclass 2021: biological products (video)
- Biological products and new phosphorus fertiliser technology for potato productivity (video)
- Soil biology and biological products; an introduction (podcast)
- Importance of beneficial biological organisms in soil for vegetable crops (article)
- Advancements in biopesticides for profitable vegetable production (video)



The screenshot shows the homepage of the SoilWealth | ICP website. The header includes the logo and navigation links: Home, About us, Vegetables, Melons, Resources, Events, News, Demo sites, and Contact. The main content area features a large image of a vegetable field with the text "Building Soil Health. Protecting Crops." and two smaller images: "Vegetables" and "Melons". Below this is a text block about the project's goals and a "READ MORE" button. The footer contains a "Browse resources" section with filters for "By area", "By crop", and "By topic", along with a search icon.

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Home About us Vegetables Melons Resources Events News Demo sites Contact

Building Soil Health.
Protecting Crops.

Vegetables

Melons

Protecting crops and maintaining healthy soil is vital for Australian vegetable and melon producers to improve productivity, profitability and sustainability.

The Soil Wealth and Integrated Crop Protection (Soil Wealth ICP) project provides research and development (R&D) extension and communication services on improved soil management and plant health to the Australian vegetable and melon industries.

> READ MORE

Browse resources

By area By crop By topic Search



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Q&A



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Thank you

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