

FEBRUARY 2023

Soil Wealth
NURTURING CROPS



**Integrated
Crop Protection**
PROTECTING CROPS

SUMMARY OF RESOURCES: PHASE 2

KEY MESSAGES

- ✓ **This guide summarises and provides easy access to useful resources developed by the Soil Wealth and Integrated Crop Protection project from December 2017 to February 2023.**
- ✓ **These resources are relevant to all major vegetable and potato growing regions in Australia and include fact sheets, case studies, videos, webinar recordings and podcasts, as well as demonstration site information.**
- ✓ **All the resources in this guide can be found on the project website at soilwealth.com.au.**

Your guide to useful resources

The main topics covered by these resources are:

1. Soil amendments
2. Soil biology
3. Cover crops and biofumigation
4. Reduced tillage
5. Equipment and machinery
6. Emerging technology and precision agriculture
7. Nutrition management
8. Irrigation management
9. Insect, nematode and mite management
10. Weed management and crop protection
11. Disease management and crop protection
12. Biological crop protection products.

In addition, a complete list of resources developed under Phase 1 from 2014-2017 can be found [here](#).

1. SOIL AMENDMENTS

Title	Summary	Link
The effect of custom-made composts on the performance of a carrot crop and soil health <i>Case study, May 2018</i>	A large-scale compost trial was conducted in Western Australia with a focus on disease suppression and maintaining organic carbon in intensively cropped, sandy soils.	https://www.soilwealth.com.au/resources/articles-publications-and-case-studies/the-effect-of-custom-made-composts-on-the-performance-of-a-carrot-crop-and-soil-health/
Organic soil amendments <i>Global scan and review, September 2018</i>	This global scan and review covers what organic soil amendments are, why and how to use them, and its effect on soils and crops.	https://www.soilwealth.com.au/resources/global-scan-and-reviews/organic-soil-amendments/
Developing a fertiliser program for vegetable crops (webinar recording) <i>Podcast, February 2019</i>	This podcast of a webinar recording provides evidence-based knowledge to make good decisions on site-specific nutrient management of vegetable crops.	https://www.soilwealth.com.au/resources/podcasts/developing-a-fertiliser-program-for-vegetable-crops-webinar-recording/
Recycled organics (compost) in vegetable production <i>Webinar recording, March 2019</i>	This webinar recording discusses the value of recycled organics and explains how compost can be successfully integrated into vegetable farming in Australia.	https://www.soilwealth.com.au/resources/webinar-recordings/recycled-organics-compost-in-vegetable-production/
Compost trial, Virginia, SA <i>Podcast, April 2019</i>	The Soil Wealth and ICP team follow the implementation of a compost trial for vegetable growers in Virginia, South Australia.	https://www.soilwealth.com.au/resources/podcasts/compost-trial-virginia-sa/
Can calcium cyanamide (Ca(CN)₂) fertiliser affect Pythium spp. and other soil-borne diseases in carrots – Findings of an on-farm demonstration <i>Articles and publications, June 2019</i>	Calcium cyanamide fertiliser was tested for efficacy against <i>Pythium sulcatum</i> and <i>Pythium violae</i> in a grower-led demonstration trial in a commercial carrot crop in Western Australia.	https://www.soilwealth.com.au/resources/articles-and-publications/can-calcium-cyanamide-cacn2-fertiliser-affect-pythium-spp-and-other-soilborne-diseases-in-carrots-findings-of-an-onfarm-demonstration/
Calcium cyanamide fertiliser in carrots: Economics <i>Fact sheet, June 2019</i>	This fact sheet documents the findings from a grower-led demonstration where calcium cyanamide was applied as a wax coated fertiliser prior to a carrot crop.	https://www.soilwealth.com.au/resources/fact-sheets/soil-nutrition-and-compost/calcium-cyanamide-fertiliser-in-carrots-economics/
South Australian grower compost trial <i>Case study, September 2019</i>	Two demonstration trial sites on the Northern Adelaide Plains showcase how compost could be used to improve soil health.	https://www.soilwealth.com.au/resources/case-studies/south-australian-grower-compost-trial/
Effect of a coal-based soil amendment on carrots grown in sandy soil <i>Case study, September 2020</i>	This case study shares the results of a large-scale, soil amendment demonstration trial at Center West Export in Western Australia.	https://www.soilwealth.com.au/resources/case-studies/effect-of-a-coalbased-soil-amendment-on-carrots-grown-in-sandy-soil/
Organic soil amendments put to the test in Tasmania <i>Case study, December 2020</i>	A trial was established at Harvest Farms in Richmond, Tasmania, to examine the costs and benefits of organic soil amendments on babyleaf crop yield and quality.	https://www.soilwealth.com.au/resources/case-studies/organic-soil-amendments-put-to-the-test-in-tasmania/



1. SOIL AMENDMENTS (CONTINUED)

Title	Summary	Link
Organic soil amendments – update <i>Global scan and review, December 2020</i>	This updated global scan and review covers what organic soil amendments are, why and how to use them, the effects on soils and crops, as well as other specific considerations.	https://www.soilwealth.com.au/resources/global-scan-and-reviews/organic-soil-amendments/
Managing soil health in Werribee South <i>Case study, January 2021</i>	A trial in Werribee South was developed to investigate the impact of compost, gypsum and soluble calcium on salinity, sodicity and overall soil health in the region.	https://www.soilwealth.com.au/resources/case-studies/managing-soil-health-in-werribee-south/
Compost calculator: knowing the value of organic amendments in your vegetable nutrition program in Victoria <i>Webinar recording, February 2021</i>	Find out about a project to provide growers and industry with an effective decision support tool to integrate organic amendments into farm nutrient budgets.	https://www.soilwealth.com.au/resources/webinar-recordings/compost-calculator-knowing-the-value-of-organic-amendments-in-your-vegetable-nutrition-program-in-victoria/
Managing saline-sodic soils virtual farm walk: Werribee South VIC demonstration site <i>Video, May 2021</i>	Missed our virtual farm walk via Facebook Live in May 2021? Catch up on the latest updates from the Werribee South VIC demonstration site here.	https://www.soilwealth.com.au/resources/videos-and-apps/managing-salinesodic-soils-virtual-farm-walk-werribee-south-vic-demonstration-site/
Demonstration site update: Richmond, Tasmania <i>Case study, July 2021</i>	Find out the soil pathogen DNA results from 2020 (year 3 of a trial which explored the impact of organic soil amendments on baby leaf crop quality and yield) in this update from Harvest Farms in Tasmania.	https://www.soilwealth.com.au/resources/case-studies/demonstration-site-update-richmond-tasmania/
Demonstration site trial full report: Richmond, Tasmania <i>Case study, August 2021</i>	This case study shares the full demonstration trial results on organic soil amendments at Harvest Farms in Tasmania from 2018-2021.	https://www.soilwealth.com.au/resources/case-studies/demonstration-site-trial-full-report-richmond-tasmania/
Biochar - what is its potential for vegetable production? <i>Fact sheet, November 2021</i>	Interest is growing around biochar as both a soil amendment and to increase carbon sequestration to soil.	https://www.soilwealth.com.au/resources/fact-sheets/soil-nutrition-and-compost/biochar-what-is-its-potential-for-vegetable-production/
Soil health trial leads to better quality capsicums in SA <i>Articles and publications, February 2022</i>	This update shares how Braham Produce is using organic amendments, biofumigation and other soil health management practices in a protected cropping production system.	https://www.soilwealth.com.au/resources/articles-and-publications/soil-health-trial-leads-to-better-quality-capsicums-in-sa/
Compost boosts soil health on the Adelaide Plains, South Australia <i>Case study, February 2023</i>	Thorndon Park Produce in South Australia trialed how the use of compost in vegetable production can improve soil health, reduce the effect of saline irrigation water and decrease the use of inputs.	https://www.soilwealth.com.au/resources/case-studies/compost-boosts-soil-health-on-the-adelaide-plains-south-australia/

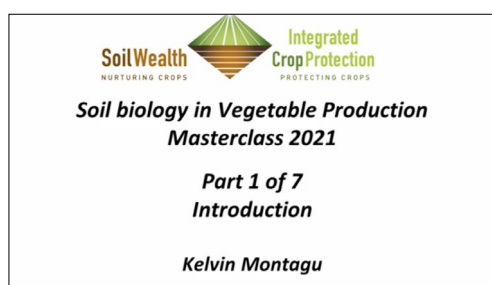


2. SOIL BIOLOGY

Title	Summary	Link
Cover crops and soil biology in vegetable soils <i>Webinar recording, June 2020</i>	This webinar recording discusses the impacts of cover crops on soil biology and how they might influence soil microbial communities.	https://www.soilwealth.com.au/resources/webinar-recordings/cover-crops-and-soil-biology-in-vegetable-soils/
Soil biology and biological products: An introduction podcast (30 min listen) <i>Podcast, July 2020</i>	Soil biology is a complex, dynamic and broad field. This podcast will introduce you to the concept of why biology is important to soil fertility and maximising crop production.	https://www.soilwealth.com.au/resources/podcasts/soil-biology-and-biological-products-an-introduction-podcast-30-minute-listen/
What you need to know about soil microbiology <i>Fact sheet, October 2020</i>	This fact sheet outlines information on a broad group of soil microbes including fungi, bacteria and pseudomonas, and explains how different levels, numbers and ratios of these microbes can impact the overall health of your soil and crops.	https://www.soilwealth.com.au/resources/fact-sheets/soil-nutrition-and-compost/what-you-need-to-know-about-soil-microbiology/
How do you know your soil is healthy? Top tips for vegetable growers <i>Fact sheet, December 2020</i>	This fact sheet discusses how a soil health status, soil condition, soil organic matter and soil organic carbon can provide insights into a soil's capacity to fulfil all of its functions.	https://www.soilwealth.com.au/resources/fact-sheets/soil-nutrition-and-compost/how-do-you-know-your-soil-is-healthy-top-tips-for-vegetable-growers/
Boosting mycorrhizal fungi in vegetable crops <i>Case study, April 2021</i>	This case study examines why and how vegetable growers can boost beneficial mycorrhizal fungi in their crops.	https://www.soilwealth.com.au/resources/case-studies/boosting-mycorrhizal-fungi-in-vegetable-crops/
Soil organic matter, biology and mineralisation - The challenges & complexity of estimating mineralisation rates <i>Webinar recording, May 2021</i>	This webinar recording shares information on soil organic matter, soil biology and the challenges and complexity of estimating mineralisation rates in soils.	https://www.soilwealth.com.au/resources/webinar-recordings/soil-organic-matter-biology-and-mineralisation-the-challenges-complexity-of-estimating-mineralisation-rates/
Feed your soils to feed the world: Supporting soil health in vegetable production <i>Articles and publications, June 2021</i>	Peter Wadewitz of Peats Soil & Garden Supplies provides compost, mulches and recycled organic resources in South Australia and interstate. For Peter, it all starts with talking to growers about healthy soils, building organic matter and strengthening soil structure to produce a better crop.	https://www.soilwealth.com.au/resources/articles-and-publications/feed-your-soils-to-feed-the-world-supporting-soil-health-in-vegetable-production/
Soil Biology Masterclass (Day 1 recording) <i>Webinar recording, August 2021</i>	Watch this masterclass recording to indulge in the complex world of soil biology and how it relates to profitable vegetable production.	https://www.soilwealth.com.au/resources/webinar-recordings/soil-biology-master-class-2021-day-1-recording/
Soil Biology Masterclass 2021: Soil biology in vegetable production - basic principles <i>Webinar recording, August 2021</i>	Soil Wealth ICP team member Kelvin Montagu looks at the links between key soil functions and soil biology, and the interactions between plant roots and soil biology.	https://www.soilwealth.com.au/resources/webinar-recordings/soil-biology-master-class-2021-introduction-day-1-part-1-of-7/
Soil Biology Masterclass 2021: Breakdown of organic matter and agrochemicals in vegetable soil <i>Webinar recording, August 2021</i>	Soil Wealth ICP team members Kelvin Montagu and Marc Hinderager look into breakdown of organic matter, agrochemicals and impact on soil biology.	https://www.soilwealth.com.au/resources/webinar-recordings/soil-biology-master-class-2021-breakdown-of-plant-biomass-and-agrochemicals-day-1-part-2-of-7/
Soil Biology Masterclass 2021: Nitrogen availability <i>Webinar recording, August 2021</i>	Soil Wealth ICP team members Kelvin Montagu and Marc Hinderager look into nitrogen availability in vegetable crops and its impact on soil biology.	https://www.soilwealth.com.au/resources/webinar-recordings/soil-biology-master-class-2021-nitrogen-availability-day-1-part-3-of-7/
Soil Biology Masterclass 2021: Soil structure <i>Webinar recording, August 2021</i>	Soil Wealth ICP team member Doris Blaesing discusses soil biology and its links to soil structure in vegetable crops.	https://www.soilwealth.com.au/resources/webinar-recordings/soil-biology-master-class-2021-soil-structure-day-1-part-4-of-7/

2. SOIL BIOLOGY (CONTINUED)

Title	Summary	Link
Soil Biology Masterclass 2021: Soil fumigation - chemical and biological <i>Webinar recording, August 2021</i>	Dr Shane Powell from the Tasmanian Institute of Agriculture joins the Soil Wealth ICP team to share her expertise on soil fumigation and its effects on soil biological communities.	https://www.soilwealth.com.au/resources/webinar-recordings/soil-biology-master-class-2021-soil-fumigation-chemical-and-biological-day-1-part-5-of-7/
Soil Biology Masterclass 2021: Disease suppression <i>Webinar recording, August 2021</i>	Plant pathologist Dr Len Tesoriero presents on soil-borne disease suppression in vegetable crops.	https://www.soilwealth.com.au/resources/webinar-recordings/soil-biology-master-class-2021-disease-suppression-day-1-part-6-of-7/
Soil Biology Masterclass 2021: Biological products <i>Webinar recording, August 2021</i>	Soil Wealth ICP team member Pieter van Nieuwenhuyse delves into the use of biological products in Australian vegetable production.	https://www.soilwealth.com.au/resources/webinar-recordings/soil-biology-master-class-2021-biological-products-day-1-part-7-of-7/
Soil Biology Masterclass 2021: Panel discussion on soil biology testing (Day 2) <i>Webinar recording, August 2021</i>	Day 2 of the Soil Biology Masterclass featured a panel discussion on soil biology with Kelvin Montagu.	https://www.soilwealth.com.au/resources/webinar-recordings/soil-biology-master-class-2021-panel-discussion-on-soil-biology-testing-day-2/
Soil Biology Masterclass 2021: Grower success story - Andrew Braham, SA capsicum grower (Day 2) <i>Webinar recording, August 2021</i>	Day 2 of the Soil Biology Masterclass provided an opportunity for grower Andrew Braham to share his story of boosting soil biology and developing healthy soils for his capsicum crops in South Australia.	https://www.soilwealth.com.au/resources/webinar-recordings/soil-biology-master-class-2021-grower-success-story-andrew-braham-sa-capsicum-grower-day-2/
Introducing the Mulgowie Farming Company Queensland demonstration site <i>Articles and publications, October 2021</i>	With a strong focus on innovation and sustainable farming practices, Mulgowie Farming Company is taking their soil management to the next level.	https://www.soilwealth.com.au/resources/articles-and-publications/introducing-the-mulgowie-farming-company-queensland-demonstration-site/
New NT demo site: Protecting soil in the north with Jeremy Trembath <i>Articles and publications, November 2021</i>	The Soil Wealth ICP team is working with Northern Territory grower Jeremy Trembath to build greater resilience to heavy weather events and soil erosion using cover crops, strip till, soil biology inputs and non-chemical weed control.	https://www.soilwealth.com.au/resources/articles-and-publications/new-nt-demo-site-protecting-soil-in-the-north-with-jeremy-trembath/
The regenerative agriculture approach at Kalfresh <i>Articles and publications, December 2021</i>	After 30 years of growing vegetables in southern Queensland, Rob Hinrichsen is well placed to assess the impact of soil health on his farming operation. The passion Rob brings for growing healthy, tasty, nutrient-rich food centres around healthy soils.	https://www.soilwealth.com.au/resources/articles-and-publications/the-regenerative-agriculture-approach-at-kalfresh/
Soil CRC shines the spotlight on soil health <i>Articles and publications, April 2022</i>	The Cooperative Research Centre for High Performance Soils (better known as the Soil CRC) is researching ways to build productive agricultural soils in Australia, including some exciting projects that will benefit growers.	https://www.soilwealth.com.au/drafts/soil-crc-shines-the-spotlight-on-soil-health/
Top End field walk showcases soil health improvements <i>Articles and publications, July 2022</i>	Hosted by grower Jeremy Trembath in Katherine, NT, our demonstration site has focused on improving soil health and building soil resilience, particularly during the wet season, to prevent erosion and protect soils.	https://www.soilwealth.com.au/resources/articles-and-publications/top-end-field-walk-showcases-soil-health-improvements/



3. COVER CROPS AND BIOFUMIGATION

Title	Summary	Link
Cover crop spotlight on buckwheat <i>Video, March 2018</i>	This video provides guidance on sowing, management and how to best terminate buckwheat as a cover crop.	https://www.soilwealth.com.au/resources/videos-and-apps/cover-crop-spotlight-on-buckwheat/
Soil moisture the real winner in a hot, dry summer at the Cowra demonstration site, NSW <i>Articles and publications, March 2019</i>	Read this update to learn more about the soil moisture monitoring results for summer 2019 following a ryecorn cover crop being sown in winter 2018.	https://www.soilwealth.com.au/resources/articles-and-publications/soil-moisture-the-real-winner-in-a-hot-dry-summer-at-the-cowra-demonstration-site-nsw/
Cover crops with Harvest Moon <i>Podcast, May 2019</i>	The Soil Wealth ICP team look at how Harvest Moon in Tasmania is using cover crops to protect and improve their precious red soil.	https://www.soilwealth.com.au/resources/podcasts/cover-crops-with-harvest-moon/
Growing Matters #1: Basics of cover cropping with Dr Kelvin Montagu (9 min listen) <i>Podcast, July 2019</i>	Get inspired by this podcast with Dr Kelvin Montagu which provides a good overview on cover cropping, the key benefits for using it on your farm as well as some handy tips and methods for doing it successfully.	https://www.soilwealth.com.au/resources/podcasts/growing-matters-1-basics-of-cover-cropping-with-dr-kelvin-montagu-9-min-listen/
Cowra case study part 1: Cover crop + rolled ground cover + strip-till = record farm cucumber yield <i>Case study, August 2019</i>	Strategically managing cover crops, crop residues and reducing tillage with strip-till is a focus of this case study at Ed Fagan's farm at Cowra, New South Wales.	https://www.soilwealth.com.au/resources/case-studies/cover-crop-rolled-ground-cover-striptill-record-farm-cucumber-yield/
Growing Matters #2: Link between soil wealth and cover cropping with Dr Kelvin Montagu (12 min listen) <i>Podcast, September 2019</i>	Dr Kelvin Montagu explains how cover crops integrate with vegetable production systems and how keeping your soil healthy plays a big role on the wellbeing of your crops.	https://www.soilwealth.com.au/resources/podcasts/growing-matters-2-link-between-soil-wealth-and-cover-cropping-with-dr-kelvin-montagu-12-min-listen/
Should you be making hay from your cover crop? <i>Articles and publications, October 2019</i>	With hay prices increasing, it is worth thinking about how taking a hay crop may affect your next vegetable crop. This article outlines the key elements to consider.	https://www.soilwealth.com.au/resources/articles-and-publications/should-you-be-making-hay-from-your-cover-crop/
Biofumigation cover crops part 1: What variety and when? <i>Webinar recording, December 2019</i>	Part 1 of this webinar recording looks at the growth of 17 biofumigant cover crops across the year in southern Queensland.	https://www.soilwealth.com.au/resources/webinar-recordings/biofumigation-cover-crops-part-1-what-variety-and-when/
Biofumigation cover crops part 2: Pest and diseases and impact on soil-borne diseases <i>Webinar recording, December 2019</i>	Part 2 of this webinar looks at potential pest and disease issues while growing cover crops and the potential impact on soil-borne diseases following incorporation.	https://www.soilwealth.com.au/resources/webinar-recordings/biofumigation-cover-crops-part-2-pest-diseases-impact-on-soilborne-diseases/
Cover crops and strip-tillage is helping Bathurst pumpkin grower to save water <i>Articles and publications, December 2019</i>	Bathurst pumpkin grower Michael Camenzuli is breaking new ground by using cover crops and strip-tillage to make his irrigation water go further.	https://www.soilwealth.com.au/resources/articles-and-publications/cover-crops-and-striptillage-is-helping-bathurst-pumpkin-grower-to-save-water/



3. COVER CROPS AND BIOFUMIGATION (CONTINUED)

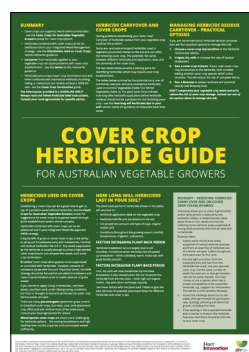
Title	Summary	Link
Cover crops before potatoes – Trial update, Kindred, Tasmania <i>Case study, February 2020</i>	This trial aimed to demonstrate the effectiveness of mixed species cover crops in cropping rotations, and find out if using them improves the profitability of potatoes.	https://www.soilwealth.com.au/resources/case-studies/cover-crops-before-potatoes-trial-update-kindred-tasmania/
Cowra case study part 2: Cover crop and strip-till a winning combination for soil health <i>Case study, May 2020</i>	This follow-up case study from Cowra digs deeper to look at the soil health benefits from a combination of a cover crop, roller crimper and strip-till which underpinned an outstanding cucumber yield.	https://www.soilwealth.com.au/resources/case-studies/cowra-cover-crop-and-strip-till-a-winning-combination-for-soil-health/
East Gippsland Vegetable Innovation Days: Cover crops and strip-tillage live webinar panel session <i>Webinar recording, May 2020</i>	This live webinar panel session at the 2020 East Gippsland Vegetable Innovation Days focused on cover crops, strip-tillage and slug and snail management.	https://www.soilwealth.com.au/resources/webinar-recordings/east-gippsland-vegetable-innovation-days-cover-crops-and-strip-tillage-live-webinar-panel-session/
Cover crop trial discussion: East Gippsland Vegetable Innovation Days <i>Video, May 2020</i>	Dr Kelvin Montagu, John Duff (Queensland Department of Agriculture and Fisheries) and Carl Larsen (Soil Wealth ICP) discuss the results of a cover crop trial at the 2020 East Gippsland Vegetable Innovation Days.	https://www.soilwealth.com.au/resources/videos-and-apps/cover-crop-trial-discussion-east-gippsland-vegetable-innovation-days/
Yuri Wolfert: Tasmanian cover crop trial update <i>Video, May 2020</i>	Tasmanian vegetable and potato grower Yuri Wolfert provides an update on his cover crop, which was planted to prepare the soil for the next season's potato crop.	https://www.soilwealth.com.au/resources/videos-and-apps/yuri-wolfert-tasmanian-cover-crop-trial-update/
Mixed cover crops trial for soil health: Soil First Tasmania demonstration site podcast (14 min listen) <i>Podcast, June 2020</i>	This podcast looks at the value of on-farm trials, and the support given to practice change through grower groups. Two Tasmanian growers also share the challenges and teachings from their on-farm trials.	https://www.soilwealth.com.au/resources/podcasts/mixed-cover-crops-trial-for-soil-health-soil-first-tasmania-demonstration-site-podcast-14-min-listen/
Podcast: Cover crop trial at Cowra, NSW with Marc Hinderager (6 minutes) <i>Podcast, June 2020</i>	Agronomist Marc Hinderager reports on the results of a cover crop trial in Cowra, New South Wales.	https://www.soilwealth.com.au/resources/podcasts/podcast-cover-crop-trial-at-cowra-nsw-with-marc-hinderager-6-minutes/
Benefits of cover crops and strip-till for pumpkin production – Interview with Michael Camenzuli from Bathurst (6 minutes) <i>Podcast, June 2020</i>	Vegetable grower Michael Camenzuli managed to grow pumpkins without the use of plastics. Instead, he used a cover crop (rolled and strip-tilled) resulting in cleaner pumpkins at harvest.	https://www.soilwealth.com.au/resources/podcasts/benefits-of-cover-crops-and-strip-till-for-pumpkin-production-interview-with-michael-camenzuli-from-bathurst-6-minutes/
Using cover crops to manage mycorrhizal fungi in vegetable crops <i>Webinar recording, July 2020</i>	Dr Kelvin Montagu summarises the potential role of cover crops in managing mycorrhizal fungi in vegetable production.	https://www.soilwealth.com.au/resources/webinar-recordings/using-cover-crops-to-manage-mycorrhizal-fungi-in-vegetable-crops/
Cover crops – The advantages of Sunn hemp <i>Video, July 2020</i>	This video focuses on the advantages of Sunn hemp as a cover crop and provides guidance on sowing, management and termination.	https://www.soilwealth.com.au/resources/videos-and-apps/cover-crops-the-advantages-of-sunn-hemp/
Cover crops for weed suppression in snow peas <i>Articles and publications, July 2020</i>	Cambodian Grower Group are exploring the potential of cover crops as part of an integrated weed management strategy.	https://www.soilwealth.com.au/resources/articles-and-publications/cover-crops-for-weed-suppression-in-snow-peas/
Cover crops for weed suppression in snow peas (7 minutes) <i>Podcast, August 2020</i>	Sydney Basin vegetable grower Kim Ngov shares the results from an inter-row cover crop trial where ryegrass, buckwheat and rye-corn were used between snow pea trellises to help suppress weeds.	https://www.soilwealth.com.au/resources/podcasts/cover-crops-used-for-weed-suppression-in-snow-pea-production-7-minutes/

3. COVER CROPS AND BIOFUMIGATION (CONTINUED)

Title	Summary	Link
Benefits of a cover crop + strip till combination <i>Case study, October 2020</i>	The Three Ryans at Manjimup, Western Australia, decided to try the cover crop and strip till combination to see what benefits there are for their vegetable farm.	https://www.soilwealth.com.au/resources/case-studies/benefits-of-a-cover-crop-strip-till-combination/
Inter-row ryegrass cover crop - a winner in snow pea production <i>Case study, November 2020</i>	While NSW vegetable grower Kim Ngov grows snow pea crops using plastic mulch, he has trialled a ryegrass cover crop in the inter-row areas to suppress weeds while improving the health of his soil at the same time.	https://www.soilwealth.com.au/resources/case-studies/interrow-ryegrass-cover-crop-a-winner-in-snow-pea-production/
Cover crops for cucurbit growers in Katherine, NT: Results of 2020 demo site <i>Case study, November 2020</i>	This article outlines information about a demonstration site trial on cover crops for cucurbit growers at Katherine Research Station.	https://www.soilwealth.com.au/resources/case-studies/cover-crops-for-cucurbit-growers-in-katherine-nt-results-of-2020-demo-site/
Cover crops for weed control and single-use plastic elimination <i>Case study, March 2021</i>	Grower Kim Ngov has sown another cover crop trial on his intense vegetable farm on the outskirts of Sydney. Kim is focused on using cover crops to build soil health, control weeds and eliminate single-use plastic mulch.	https://www.soilwealth.com.au/resources/case-studies/cover-crops-for-weed-control-and-singleuse-plastic-elimination/
The benefits of cover crops and reduced tillage: Koo Wee Rup <i>Video, November 2021</i>	Soil Wealth ICP team member Carl Larsen explains how practical approaches such as cover crops and reduced tillage are complementing precision agriculture trials at Koo Wee Rup, Victoria.	https://www.soilwealth.com.au/resources/webinar-recordings/the-benefits-of-cover-crops-and-reduced-tillage-koo-wee-rup/
Selecting a sorghum cover crop for integrated crop protection <i>Articles and publications, December 2021</i>	Sorghum species are an excellent summer cover crop and break crop for most vegetable growers. They are useful as part of an Integrated Crop Protection (ICP) approach.	https://www.soilwealth.com.au/resources/articles-and-publications/selecting-a-sorghum-cover-crop-for-integrated-crop-protection/
Nitrogen fertiliser price and supply: A good reason to look at legume cover crops <i>Articles and publications, January 2022</i>	Given the price rises and uncertainty of nitrogen fertiliser supply, it's a good time to look at legume cover crops.	https://www.soilwealth.com.au/resources/articles-and-publications/nitrogen-fertiliser-price-and-supply-a-good-reason-to-look-at-legume-cover-crops/
Cover crops for Australian vegetable growers <i>Posters, February 2022</i>	This poster provides a strong starting point to help vegetable growers choose a cover crop to suit their farming operation, climate and cover crop objectives.	https://www.soilwealth.com.au/resources/posters/cover-crops-for-australian-vegetable-growers/
Cover crop herbicide guide <i>Posters, February 2022</i>	See this poster for suggestions for cover crops to suppress weeds through quick establishment and/or dense canopies.	https://www.soilwealth.com.au/resources/posters/cover-crop-herbicide-guide/
Cover crop termination guide <i>Posters, February 2022</i>	Make sure your cover crop is terminated before seed set to prevent it becoming a weed.	https://www.soilwealth.com.au/resources/posters/cover-crop-termination-guide/
Nitrogen fertiliser price and supply: management options in difficult conditions <i>Webinar recording, March 2022</i>	Watch this webinar recording to hear from industry experts about best practice nitrogen management options in vegetable production.	https://www.soilwealth.com.au/resources/webinar-recordings/nitrogen-fertiliser-price-and-supply-management-options-in-difficult-conditions/
An update from our Sydney Basin demo site <i>Articles and publications, May 2022</i>	At our Sydney Basin demonstration site in Wedderburn, grower Kim Ngov has transitioned from a successful inter-row ryegrass program to now growing high seeding rates of ryegrass as ground cover, in replacement of plastic mulch.	https://www.soilwealth.com.au/resources/articles-and-publications/an-update-from-our-sydney-basin-demonstration-site/
Cover crops, strip till and biofumigation on show in the west <i>Articles and publications, October 2022</i>	The Soil Wealth ICP team joined PotatoLink for a field walk in Manjimup, WA to discuss how cover crops can be used to improve soil health and crop quality.	https://www.soilwealth.com.au/drafts/cover-crops-striptill-and-biofumigation-on-show-in-the-west/

3. COVER CROPS AND BIOFUMIGATION (CONTINUED)

Title	Summary	Link
<p>Making sure change works for your business at Cowra, NSW</p> <p>Case study, February 2023</p>	<p>NSW growers Ed and James Fagan have been involved with the Soil Wealth project since 2014. They have trialled reduced tillage and cover crops, with a strong economic case for continuing these practices.</p>	<p>https://www.soilwealth.com.au/resources/case-studies/making-sure-change-works-for-your-business-at-cowra-nsw/</p>



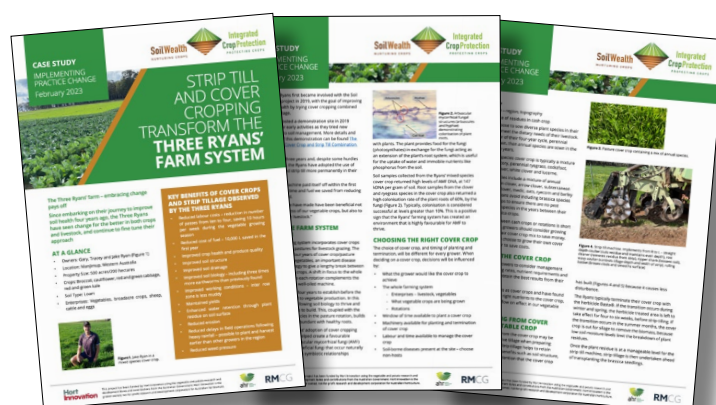
4. REDUCED TILLAGE

Title	Summary	Link
<p>Make 2019 the year you have a serious look at strip-till</p> <p>Articles and publications, December 2018</p>	<p>Looking to reduce establishment costs, improve your soil and save time? This article shares the benefits and challenges of strip-till.</p>	<p>https://www.soilwealth.com.au/resources/articles-and-publications/make-2019-the-year-you-have-a-serious-look-at-striptill/</p>
<p>Strip-till in Tasmanian vegetable crops</p> <p>Fact sheet, December 2018</p>	<p>Strip-tillage is used in Tasmania for brassica seedlings, fodder beet and carrot seed. This fact sheet outlines the benefits, challenges and practical considerations in the paddock.</p>	<p>https://www.soilwealth.com.au/resources/fact-sheets/soil-nutrition-and-compost/striptill-in-tasmanian-vegetable-crops/</p>
<p>Strip-till in Tasmania – A reduced till farming system</p> <p>Video, December 2018</p>	<p>This video shares the benefits and challenges of using strip-tillage in vegetable production, as well as testimonials from growers.</p>	<p>https://www.soilwealth.com.au/resources/videos-and-apps/striptill-in-tasmania-a-reduced-till-farming-system/</p>
<p>Strip-till for corn production – Reducing erosion, building robust soils</p> <p>Video, March 2019</p>	<p>One of the soil health benefits of strip-till is the potential reduction in erosion, especially after rainfall. Watch this video to find out more.</p>	<p>https://www.soilwealth.com.au/resources/videos-and-apps/striptill-for-corn-production-reducing-erosion-building-robust-soils/</p>
<p>Strip-tillage in the field – Jeff McSpedden, NSW case study</p> <p>Video, March 2019</p>	<p>Bathurst grower Jeff McSpedden identifies the benefits of strip-till, including stubble retention, improved moisture retention, greater efficiency and reduced diesel usage.</p>	<p>https://www.soilwealth.com.au/resources/videos-and-apps/striptillage-in-the-field-jeff-mcspedden-nsw-case-study/</p>
<p>Strip-till for corn production – Reducing erosion, building robust soils</p> <p>Video, March 2019</p>	<p>Dr Kelvin Montagu demonstrates the erosion control benefits of strip-tillage in vegetable production.</p>	<p>https://www.soilwealth.com.au/resources/videos-and-apps/striptill-for-corn-production-reducing-erosion-building-robust-soils/</p>



4. REDUCED TILLAGE (CONTINUED)

Title	Summary	Link
Strip-tillage for vegetables and potatoes with Steve Peterson (USA) and Ben Pogioli (QLD) <i>Webinar recording, March 2019</i>	Industry experts explain how strip-till saves fuel and time; increases organic matter in the soil; and reduces erosion and compaction.	https://www.soilwealth.com.au/resources/webinar-recordings/stripillage-for-vegetables-and-potatoes-with-steve-peterson-usa-and-ben-pogioli/
Ed Fagan explains why his initial reservations about strip-till and cover crops were dispelled <i>Video, May 2019</i>	New South Wales vegetable grower Ed Fagan explains how strip-tillage and cover cropping complement each other.	https://www.soilwealth.com.au/resources/videos-and-apps/ed-fagan-explains-why-his-initial-reservations-about-stripill-and-cover-crops-were-dispelled/
Lyndon Orpwood discusses the benefits of strip-tillage to Simplot Australia <i>Video, May 2019</i>	Simplot Australia's Lyndon Orpwood explains how strip-tillage has improved moisture retention and field productivity at Bathurst, New South Wales.	https://www.soilwealth.com.au/resources/videos-and-apps/lyndon-orpwood-discusses-the-benefits-of-stripillage-to-simplot-australia/
Cover crops and strip tillage in organic production - Koo Wee Rup <i>Webinar recording, October 2020</i>	Tune in to a discussion on the use of strip tillage and cover crops in organic production with the Koo Wee Rup Grower Group and Dr Kelvin Montagu.	https://www.soilwealth.com.au/resources/webinar-recordings/cover-crops-and-strip-tillage-in-organic-production-koo-wee-rup-grower-group/
Saving time and money with strip till in WA <i>Podcast, December 2021</i>	Vegetable grower Jake Ryan, from Three Ryans in Western Australia, speaks about their journey to transition their fallow and conventional cultivation to strip till.	https://www.soilwealth.com.au/resources/podcasts/strip-till-with-jake-ryan/
Strip-till and cover cropping transform the Three Ryans' farm system <i>Case study, February 2023</i>	Since 2019, the Three Ryans in Manjimup, Western Australia, have adopted the use of cover crops and strip-till more permanently in their operations to improve their soil health.	https://www.soilwealth.com.au/resources/case-studies/stripill-and-cover-cropping-transform-the-three-ryans-farm-system/
Reducing tillage and improving soil health with Mulgowie Farming Company at Maffra, VIC <i>Case study, February 2023</i>	In collaboration with Soil Wealth ICP, Mulgowie Farming Company trialled strip-tillage with their existing cover cropping practices to improve soil health characteristics.	https://www.soilwealth.com.au/resources/case-studies/reducing-tillage-and-improving-soil-health-with-mulgowie-farming-company-at-maffra-vic/



5. EQUIPMENT AND MACHINERY

Title	Summary	Link
The ripper mulcher in Tasmania <i>Podcast, February 2019</i>	This podcast explains more about the ripper mulcher and its use by Harvest Moon in north-west Tasmania to control erosion on sloping ground under cultivation.	https://www.soilwealth.com.au/resources/podcasts/the-ripper-mulcher-in-tasmania/

5. EQUIPMENT AND MACHINERY (CONTINUED)

Title	Summary	Link
Controlled traffic farming with Harvest Moon Podcast, February 2019	This podcast on controlled traffic farming includes best practice advice from Harvest Moon Agriculture Director Mark Kable, Tasmanian Institute of Agriculture researcher John McPhee and grower James Addison.	https://www.soilwealth.com.au/resources/podcasts/controlled-traffic-farming-with-harvest-moon/
Erosion control machinery – Harvest Moon, TAS case study demonstration site Fact sheet, March 2019	This fact sheet showcases one of the practices employed at Harvest Moon to manage the risk of soil erosion, including information on the ripper mulcher.	https://www.soilwealth.com.au/resources/fact-sheets/soil-nutrition-and-compost/erosion-control-machinery-harvest-moon-tas-case-study-demonstration-site/
Time to rejig your rig? Five simple steps in spray rig calibration (poster) Fact sheet, May 2019	When was the last time you checked your spray rig? This poster can be displayed in the chemical storage area and spray rig shed on your farm as an important reminder.	https://www.soilwealth.com.au/resources/fact-sheets/crop-management/time-to-rejig-your-rig-five-simple-steps-in-spray-rig-calibration-poster/
Finger weeder demonstration Video, October 2022	A finger weeder is a tool that allows growers to deal with weeds in the areas of the inter-row where other cultivation and sprays might miss them. It uses hard or soft rubber “fingers” that can be adjusted depending on the size of weeds and conditions.	https://www.soilwealth.com.au/resources/videos-and-apps/finger-weeder-demonstration/



6. EMERGING TECHNOLOGY AND PRECISION AGRICULTURE

Title	Summary	Link
Exploring the application of precision agriculture: Koo Wee Rup demonstration site case study Case study, April 2019	Schreurs & Sons and the Soil Wealth ICP team partnered to explore the application of precision agriculture in celery, leek and baby leaf production systems at Koo Wee Rup in Victoria. This case study captures the results from initiatives to improve nutrition, irrigation and drainage management, and insect pest and beneficial monitoring.	https://www.soilwealth.com.au/resources/case-studies/exploring-the-application-of-precision-agriculture-koo-wee-rup-demonstration-site-case-study/
Veg and tech: Science fiction or the future of farming? Global scan and review, June 2019	Soil Wealth ICP scanned the watchlist of 24 emerging technologies detected by Agrifutures in 2018 to determine how tech change will influence vegetable growing businesses. This global scan and review covers global innovations in technology, how they are being applied, and what we should be looking for.	https://www.soilwealth.com.au/resources/global-scan-and-reviews/veg-and-tech-science-fiction-or-the-future-of-farming/

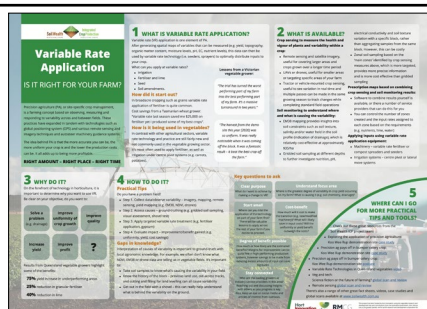
6. EMERGING TECHNOLOGY AND PRECISION AGRICULTURE (CONTINUED)

Title	Summary	Link
Remote sensing <i>Global scan and review, July 2019</i>	In this global scan, we address the types of remote sensing available, and its applications to vegetable production systems.	https://www.soilwealth.com.au/resources/global-scan-and-reviews/remote-sensing/
Precision ag pays off in bumper celery crop: Koo Wee Rup demonstration site case study <i>Case study, May 2020</i>	This case study captures the key demonstration site findings from a trial of precision agriculture technologies at Koo Wee Rup from 2018 to 2020.	https://www.soilwealth.com.au/resources/case-studies/precision-ag-pays-off-in-bumper-celery-crop-koo-wee-rup-demonstration-site-case-study/
Precision ag pays off in bumper celery crop: Koo Wee Rup demonstration site podcast (15 min listen) <i>Podcast, June 2020</i>	This podcast further explores some of the key demonstration site findings and lessons from a trial of precision agriculture technologies at Koo Wee Rup from 2018 to 2020.	https://www.soilwealth.com.au/resources/podcasts/precision-ag-pays-off-in-bumper-celery-crop-koo-wee-rup-demonstration-site-podcast-15-min-listen/
Lessons from the field: Translating precision agriculture data at Fresh Select, Werribee South <i>Case study, June 2020</i>	This case study, co-developed with VegNET Victoria, provides an overview of how precision agriculture technologies were applied in the field at Fresh Select.	https://www.soilwealth.com.au/resources/case-studies/lessons-from-the-field-translating-precision-agriculture-data-at-fresh-select-werribee-south/
Use of remote sensing technology in vegetable weed control and yield prediction <i>Articles and publications, August 2020</i>	Start-up company Hummingbird Technologies describes how the technologies in the Artificial Intelligence and remote sensing space can help vegetable growers to make the right decisions for weed control and harvest prediction.	https://www.soilwealth.com.au/resources/articles-and-publications/use-of-remote-sensing-technology-in-vegetable-weed-control-and-yield-prediction/
Adoption of precision systems technology in vegetable production <i>Webinar recording, August 2020</i>	This presentation covers the general approach and results generated from the implementation of high resolution multispectral satellite imagery to predict total carrot root yield and variability in three growing regions.	https://www.soilwealth.com.au/resources/webinar-recordings/adoption-of-precision-systems-technology-in-vegetable-production/
Drone applications make light work of tough jobs in Bundaberg <i>Articles and publications, September 2020</i>	Drones are becoming a useful tool in the fight against weeds, insect pests and diseases. This article highlights some of the benefits from using drones to spray herbicides quickly and efficiently on a farm in Queensland.	https://www.soilwealth.com.au/resources/articles-and-publications/drone-applications-make-light-work-of-tough-jobs-in-bundaberg/
Variable rate technology: Is it right for your farm? <i>Posters, September 2020</i>	This poster provides a snapshot of variable rate application, the options available, why and how to do it, key questions to keep in mind and more information on the practical tips and tools available.	https://www.soilwealth.com.au/resources/fact-sheets/crop-management/variable-rate-application-is-it-right-for-your-farm/
Soil health a big winner from precision ag trial <i>Video, September 2020</i>	There have been noticeable benefits to soil structure from the precision ag trial focusing on variable rate nutrition over the past 2.5 years at Koo Wee Rup, Victoria.	https://www.soilwealth.com.au/resources/videos-and-apps/soil-health-a-big-winner-from-precision-ag-trial/



6. EMERGING TECHNOLOGY AND PRECISION AGRICULTURE (CONTINUED)

Title	Summary	Link
Uniformity of nutrient availability continues to improve <i>Video, October 2020</i>	Now in the third year of trials, the benefit of variable rate lime and fertiliser application is starting to pay big dividends at our Koo Wee Rup demonstration site in Victoria.	https://www.soilwealth.com.au/resources/videos-and-apps/uniformity-of-nutrient-availability-continues-to-improve-in-2020/
Crop management: Advancement of drone applications in Bundaberg, Qld <i>Articles and publications, December 2020</i>	A vegetable grower based in Bundaberg, Queensland is continuing to grow his business and find new uses for drone applications in horticulture.	https://www.soilwealth.com.au/resources/articles-and-publications/crop-management-advancement-of-drone-applications-in-bundaberg-qld/
Weathering the storm with precision ag <i>Articles and publications, January 2021</i>	Metos explains the unlimited opportunities for the Australian vegetable industry to adopt precision agriculture technologies.	https://www.soilwealth.com.au/resources/articles-and-publications/weathering-the-storm-with-precision-ag/
The drone is no longer just a toy: Rules, regulations, risks and responsibilities to be considered by drone growers <i>Podcast, February 2021</i>	This podcast provides information on the rules, regulations and responsibilities for growers using drones in horticulture.	https://www.soilwealth.com.au/resources/podcasts/the-drone-is-no-longer-just-a-toy-rules-regulations-risks-and-responsibilities-to-be-considered-by-drone-owners/
Ag-tech trial turns up the heat on weeds <i>Case study, February 2021</i>	Problem weeds such as oxalis and nutgrass could be a thing of the past following a trial of microwave weed control technology.	https://www.soilwealth.com.au/resources/case-studies/agtech-trial-turns-up-the-heat-on-weeds/
Precision ag in celery and leeks virtual farm walk: Koo Wee Rup VIC <i>Video, April 2021</i>	Missed our virtual farm walk via Facebook Live in April 2021? Not to worry, you can catch up on the latest updates from our Koo Wee Rup VIC demonstration site.	https://www.soilwealth.com.au/resources/videos-and-apps/precision-ag-in-celery-and-leeks-virtual-farm-walk-koo-wee-rup-vic-demonstration-site/
Innovations from Growave at Hort Connections 2021 <i>Video, June 2021</i>	Soil Wealth ICP put together a short video highlight from the Hort Connections 2021 Trade Show with innovations from Growave.	https://www.soilwealth.com.au/resources/videos-and-apps/innovations-from-growave-at-hort-connections-2021/
Innovations from John Deere at Hort Connections 2021 <i>Video, June 2021</i>	Soil Wealth ICP put together a video highlight from the Hort Connections 2021 Trade Show with innovations from John Deere.	https://www.soilwealth.com.au/resources/videos-and-apps/innovations-from-john-deere-at-hort-connections-2021/
Using drones to generate farm insights: Drone basics and operations including weed mapping <i>Webinar recording, July 2021</i>	Watch this webinar for information on the legal requirements for drone operators and how drones can help you manage daily challenges including weed control.	https://www.soilwealth.com.au/resources/webinar-recordings/using-drones-to-generate-farm-insights-drone-basics-and-operations-including-weed-mapping/
Informing irrigation decisions with remote weather stations at Koo Wee Rup <i>Video, November 2021</i>	Soil Wealth ICP team member Carl Larsen shares how a remote weather station and attached soil moisture probe are providing insights to inform irrigation scheduling.	https://www.soilwealth.com.au/resources/videos-and-apps/informing-irrigation-decisions-with-remote-weather-stations-at-koo-wee-rup/
Healthy soils, healthy profit from precision ag trial at Koo Wee Rup, VIC <i>Case study, December 2022</i>	This case study describes the key findings and lessons learnt at the Koo Wee Rup, Victoria demonstration site from 2018-2022.	https://www.soilwealth.com.au/resources/case-studies/healthy-soils-healthy-profit-from-precision-ag-trial-at-koo-wee-rup-vic/
Understanding spatial variability in Tasmanian potato crops <i>Case study, February 2023</i>	This article summaries a study which evaluated the potential for site-specific crop management in the Tasmanian potato industry.	https://www.soilwealth.com.au/resources/case-studies/understanding-spatial-variability-in-tasmanian-potato-crops/



7. NUTRITION MANAGEMENT

Title	Summary	Link
Labile carbon <i>Fact sheet, September 2018</i>	This fact sheet outlines why labile carbon is used as a leading indicator of soil health and how you can undertake your own field test.	https://www.soilwealth.com.au/resources/fact-sheets/soil-nutrition-and-compost/labile-carbon/
Soil health and water use efficiency <i>Fact sheet, October 2018</i>	This practical fact sheet provides guidance on readily available water and soil texture, as well as healthy soil conditions.	https://www.soilwealth.com.au/resources/fact-sheets/soil-nutrition-and-compost/soil-health-and-water-use-efficiency/
Getting soil pH right – Lime quality and application rates <i>Fact sheet, January 2019</i>	This fact sheet describes the causes and effects of soil acidification and explains how liming increases soil pH differently depending on your soil type, as well as ways to manage paddock variability.	https://www.soilwealth.com.au/resources/fact-sheets/soil-nutrition-and-compost/getting-soil-ph-right-lime-quality-and-application-rates/
Managing salinity in vegetable crops <i>Fact sheet, August 2019</i>	Read this fact sheet to find out more about good salinity management practices on farm, salinity thresholds for vegetables and how salinity can be identified and measured.	https://www.soilwealth.com.au/resources/fact-sheets/soil-nutrition-and-compost/managing-salinity-in-vegetable-crops/
Soil phosphorus – The basics <i>Fact sheet, September 2019</i>	Read about the common characteristics of soil phosphorus, its availability for uptake by plants and practical management tips and tools in line with the 4R principles.	https://www.soilwealth.com.au/resources/fact-sheets/soil-nutrition-and-compost/soil-phosphorus-the-basics/
Managing salinity in vegetable crops <i>Webinar recording, November 2019</i>	Industry experts share their knowledge on good salinity management practices on-farm in this interactive webinar.	https://www.soilwealth.com.au/resources/webinar-recordings/managing-salinity-in-vegetable-crops/
Nitrate field test <i>Fact sheet, January 2020</i>	This simple and easy to use guide outlines how a quick nitrate test can be conducted in the field.	https://www.soilwealth.com.au/resources/fact-sheets/soil-nutrition-and-compost/nitrate-field-test/
Taking soil samples <i>Fact sheet, January 2020</i>	This fact sheet provides guidance on how to take soil samples correctly.	https://www.soilwealth.com.au/resources/fact-sheets/taking-soil-samples/
Plant analysis for vegetable crops: A practical guide to sampling, analysis and interpretation <i>Articles and publications, February 2020</i>	This guide covers laboratory based plant nutrient analyses, specifically dry matter analysis and sap analysis.	https://www.soilwealth.com.au/resources/articles-and-publications/plant-analysis-for-vegetable-crops-a-practical-guide-to-sampling-analysis-and-interpretation/
Managing sodicity in vegetable crops <i>Fact sheet, May 2020</i>	This fact sheet explains what sodicity is, how to identify sodicity in soils, its impact on soil and crops, as well as management options.	https://www.soilwealth.com.au/resources/fact-sheets/soil-nutrition-and-compost/managing-sodicinity-in-vegetable-crops/
Salinity and potato production (Part 1 of 4): Monitoring for improved management <i>Webinar recording, June 2020</i>	Part one of this four-part webinar series focused on the causes, impacts and associated costs of salinity monitoring for improved potato production.	https://www.soilwealth.com.au/resources/webinar-recordings/salinity-and-potato-production-part-1-of-4-monitoring-for-improved-management/



7. NUTRITION MANAGEMENT (CONTINUED)

Title	Summary	Link
Salinity and potato production (Part 2 of 4): Know your salts to better manage potato nutrition <i>Webinar recording, June 2020</i>	Part two of this interactive webinar series explains how growers can better manage salinity and potato nutrition.	https://www.soilwealth.com.au/resources/webinar-recordings/salinity-and-potato-production-part-2-of-4-know-your-salts-to-better-manage-potato-nutrition/
Salinity and potato production (Part 3 of 4): Managing hydrophobic soils in potato production <i>Webinar recording, June 2020</i>	Watch part three of this webinar series to find out more about hydrophobic soils and potato production, including the causes, impacts and associated costs of hydrophobicity.	https://www.soilwealth.com.au/resources/webinar-recordings/salinity-and-potato-production-part-3-of-4-managing-hydrophobic-soils-in-potato-production/
Salinity and potato production (Part 4 of 4): Organic soil amendments, biologicals and biostimulants <i>Webinar recording, June 2020</i>	The final instalment of this webinar series covers soil amendment options to lift potato production in saline environments.	https://www.soilwealth.com.au/resources/webinar-recordings/salinity-and-potato-production-part-4-of-4-organic-soil-amendments-biologicals-biostimulants/
Nutrition management support <i>Fact sheet, June 2020</i>	In this fact sheet, the Soil Wealth ICP team shares a range of informative resources for nutrition management.	https://www.soilwealth.com.au/resources/fact-sheets/soil-nutrition-and-compost/nutrition-management-support/
2020 Vegetable Crop Nutrition Masterclass kicks off <i>Articles and publications, August 2020</i>	Vegetable growers and agronomists took part in an interactive event to improve their crop nutrition programs on-farm, particularly during difficult growing conditions.	https://www.soilwealth.com.au/resources/articles-and-publications/2020-vegetable-crop-nutrition-masterclass-kicks-off-online/
Harnessing science to nurture plants and optimise yield <i>Articles and publications, August 2021</i>	Growers and advisers armed with a deep knowledge of nutrition and its practical application in a crop are better placed to ensure that crop achieves peak production.	https://www.soilwealth.com.au/resources/articles-and-publications/harnessing-science-to-nurture-plants-and-optimise-yield/
A breezy video update from Koo Wee Rup <i>Video, October 2021</i>	Soil Wealth ICP team member Carl Larsen provides an update on progress at the Koo Wee Rup site in Victoria.	https://www.soilwealth.com.au/resources/videos-and-apps/a-breezy-video-update-from-koo-wee-rup/
Taking soil samples? We'll show you how it's done at Koo Wee Rup <i>Video, November 2021</i>	While taking soil samples at Koo Wee Rup in Victoria, Soil Wealth ICP team member Carl Larsen explained how to collect a quality soil sample for testing.	https://www.soilwealth.com.au/resources/videos-and-apps/takingsoil-samples-we-show-you-how-its-done-at-koo-wee-rup/
Supporting the next generation of Tassie researchers <i>Articles and publications, March 2022</i>	Soil Wealth ICP team members Doris Blaesing and Donna Lucas shared their expertise with Tasmanian Institute of Agriculture students conducting a trial on the effectiveness of an organic phosphorus fertiliser in providing adequate nutrients for plant growth.	https://www.soilwealth.com.au/resources/articles-and-publications/supporting-the-next-generation-of-tassie-researchers/
Improving phosphorus uptake efficiency of potatoes <i>Case study, March 2022</i>	This case study examines the role of phosphorus availability and uptake in a potato crop throughout the growing season.	https://www.soilwealth.com.au/resources/case-studies/improving-phosphorus-uptake-efficiency-of-potatoes/



8. IRRIGATION MANAGEMENT

Title	Summary	Link
Irrigation management in sweet corn <i>Fact sheet, July 2018</i>	As sweet corn has a high water requirement, this fact sheet provides information on practical irrigation tips including crop development and water use.	https://www.soilwealth.com.au/resources/articles-and-publications/irrigation-management-in-sweet-corn/
Improving irrigation efficiency for potatoes <i>Articles and publications, December 2019</i>	The Soil Wealth ICP team set up a demonstration site at Cowra, New South Wales, to demonstrate the benefits of new tools to improve water use efficiency in potatoes.	https://www.soilwealth.com.au/resources/articles-and-publications/improving-irrigation-efficiency-for-potatoes/
New tools to manage irrigation in potatoes <i>Webinar recording, May 2020</i>	Join Dr Kelvin Montagu and Marc Hinderager from the Soil Wealth ICP team as they discuss the new approaches to managing potato irrigation, such as IrriSAT technology.	https://www.soilwealth.com.au/resources/webinar-recordings/new-tools-to-manage-irrigation-in-potatoes/
Irrigation monitoring in potatoes Part 1: Practical use of IrriSAT and soil moisture sensors <i>Case study, May 2020</i>	Part one of this case study explains how the irrigation tool, IrriSAT, combined with soil moisture monitoring, provided important information to a grower in Cowra about crop water requirements and soil moisture levels.	https://www.soilwealth.com.au/resources/case-studies/irrigation-monitoring-in-potatoes-part-1-practical-use-of-irrisat-and-soil-moisture-sensors/
Irrigation monitoring in potatoes Part 2: Practical use of satellite information <i>Case study, May 2020</i>	Part two of this case study looked at what extra information could be obtained from paddock satellite images used to monitor crop water use, and its value for growers.	https://www.soilwealth.com.au/resources/case-studies/irrigation-monitoring-in-potatoes-part-2-practical-use-of-satellite-information/
Get prepared: Irrigation scheduling tips for summer <i>Articles and publications, September 2020</i>	SWAN Systems shares some key considerations to get the best results from irrigation scheduling software over summer.	https://www.soilwealth.com.au/resources/articles-and-publications/get-prepared-irrigation-scheduling-tips-for-summer/
Irrigation monitoring in potatoes shows varietal differences in Cowra, NSW <i>Case study, February 2021</i>	This case study outlines the tools used to monitor crop water use of two different potato chipping varieties, Crop 77 and Snowden, at Cowra NSW.	https://www.soilwealth.com.au/resources/case-studies/irrigation-monitoring-in-potatoes-shows-varietal-differences-in-cowra-nsw/



9. INSECT, NEMATODE AND MITE MANAGEMENT AND CROP PROTECTION

Title	Summary	Link
Spinach crown mite <i>Fact sheet, December 2017</i>	This fact sheet provides information on identification, life cycle and available control measures if you suspect you have spinach crown mites in your crop.	https://www.soilwealth.com.au/resources/fact-sheets/pest-and-disease-management/spinach-crown-mite/
Managing the risk of redback spiders in broccoli crops <i>Fact sheet, October 2018</i>	This fact sheet summarises what we know about the risk of redback spiders contaminating broccoli.	https://www.soilwealth.com.au/resources/articles-and-publications/managing-the-risk-of-redback-spiders-in-broccoli-crops/

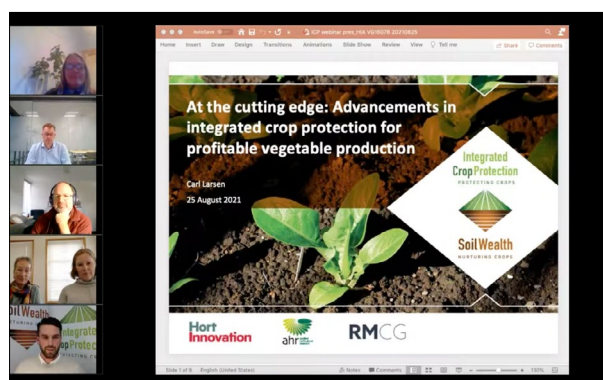
9. INSECT, NEMATODE AND MITE MANAGEMENT AND CROP PROTECTION (CONT.)

Title	Summary	Link
Managing redback spiders in broccoli <i>Webinar recording, February 2019</i>	<p>April to June is 'redback season', where consumer complaints about redback spiders in broccoli are most likely to surface. Where do they come from? Why are they here? And, most importantly, what can I do about it?</p>	https://www.soilwealth.com.au/resources/webinar-recordings/managing-redback-spiders-in-broccoli/
A guide to estimating wind speed for spraying agricultural chemicals (poster) <i>Fact sheet, February 2019</i>	<p>Choosing when to spray based on the prevailing wind speed is important for effectively applying crop protection products and managing risk. This poster can be displayed in the chemical storage area and spray rig shed on your farm as an important reminder for you and your employees.</p>	https://www.soilwealth.com.au/resources/fact-sheets/crop-management/a-guide-to-estimating-wind-speed-for-spraying-agricultural-chemicals-poster/
Beet cyst nematode on vegetables <i>Fact sheet, August 2019</i>	<p>Beet cyst nematode (<i>Heterodera schachtii</i>) can cause considerable yield loss to brassicas, beets, rhubarb and spinach. This fact sheet explains more about the control of beet cyst nematode, key symptoms and life cycle.</p>	https://www.soilwealth.com.au/resources/fact-sheets/pest-and-disease-management/beet-cyst-nematode-on-vegetables/
Redback spiders in vegetable crops – Why? And what to do about it! <i>Webinar recording, April 2020</i>	<p>This webinar recording discusses why it is common for redback spiders to appear in broccoli and some other vegetables and how growers can manage this risk.</p>	https://www.soilwealth.com.au/resources/webinar-recordings/redback-spiders-in-vegetable-crops-why-and-what-to-do-about-it/
At the cutting edge: Advancements in integrated crop protection for profitable vegetable production <i>Webinar recording, August 2021</i>	<p>There are a number of important advancements and lessons from Europe implementing a mandatory ICP approach in vegetable production systems. The need to use ICP there has driven RD&E that can be applied in the Australian context. Watch this interactive webinar to hear more from leading international researchers and practitioners from Europe and Australia.</p>	https://www.soilwealth.com.au/resources/webinar-recordings/at-the-cutting-edge-advancements-in-integrated-crop-protection-for-profitable-vegetable-production/
What changes to expect - integrated crop protection <i>Global scan and review, September 2021</i>	<p>In this global scan we look at some of the changes affecting the integrated crop protection tools available to vegetable growers by examining what is happening elsewhere, globally and in other sectors.</p>	https://www.soilwealth.com.au/resources/global-scan-and-reviews/what-changes-to-expect-integrated-crop-protection/
IPM in practice: A new approach to release beneficials <i>Articles and publications, July 2022</i>	<p>Biological Services is trialling the slow release of predatory mites using sachet technology to improve commercial integrated pest management (IPM) practices.</p>	https://www.soilwealth.com.au/resources/articles-and-publications/ipm-in-practice-a-new-approach-to-release-beneficials/
Persistence and attention to detail pay off in IPM approach at Braham Produce <i>Case study, September 2022</i>	<p>Andrew and Zurri Braham have used an integrated pest management (IPM) approach to control Western Flower Thrips and other key pests in their glasshouse capsicum crops.</p>	https://www.soilwealth.com.au/resources/case-studies/persistence-and-attention-to-detail-pay-off-in-ipm-approach-at-braham-produce/



9. INSECT, NEMATODE AND MITE MANAGEMENT (CONTINUED)

Title	Summary	Link
Maximising IPM practices in protected cropping <i>Articles and publications, September 2022</i>	A group of vegetable growers and industry members visited Family Fresh Farms in New South Wales for a Soil Wealth ICP event focusing on how growers can incorporate integrated pest management (IPM) in protected cropping systems.	https://www.soilwealth.com.au/resources/articles-and-publications/maximising-ipm-practices-in-protected-cropping/
Growers share experiences at IPM masterclass in South Australia <i>Articles and publications, October 2022</i>	Growers and industry members gathered at the Soil Wealth ICP demonstration site in Virginia, South Australia, for a workshop on integrated pest management (IPM).	https://www.soilwealth.com.au/resources/articles-and-publications/growers-share-experiences-at-ipm-masterclass-in-south-australia/
Stay in control of diamondback moth this season <i>Articles and publications, November 2022</i>	In recent years in warmer areas of Australia where brassicas are grown, diamondback moth (DBM) has developed resistance to most available insecticides including the Group 28 insecticides. Resistance to the Group 28 insecticides has now been observed in southern states, including Victoria and Tasmania. Dr Paul Horne from IPM Technologies explains what growers can expect for control of diamondback moth using integrated pest management (IPM).	https://www.soilwealth.com.au/resources/articles-and-publications/stay-in-control-of-diamondback-moth-this-season/



10. WEED MANAGEMENT AND CROP PROTECTION

Title	Summary	Link
Technology for controlling weeds <i>Global scan and review, January 2019</i>	This global scan and review provides guidance on non-selective fallow paddock weed control, as well as selective in-crop weed control, and delivery technology.	https://www.soilwealth.com.au/resources/global-scan-and-reviews/technology-for-controlling-weeds/
Technology for controlling weeds in vegetable production <i>Webinar recording, August 2019</i>	This webinar recording shares insights from leading industry experts on some of the most practical advances in weed management.	https://www.soilwealth.com.au/resources/webinar-recordings/technology-for-controlling-weeds-in-vegetable-production/
Lessons from continued innovation in weed management in Clyde, Victoria <i>Video, December 2019</i>	Schreurs & Sons Director of Field Operations Adam Schreurs and Soil Wealth ICP team member Carl Larsen discuss an integrated weed management approach on-farm.	https://www.soilwealth.com.au/resources/videos-and-apps/lessons-from-continued-innovation-in-weed-management-in-clyde-victoria/
IWM on a Bathurst pumpkin farm: Advantages and drawbacks of ground cover use, tillage and residual herbicides <i>Case study, February 2020</i>	A trial was conducted on a pumpkin farm in Bathurst, New South Wales to examine the advantages and drawbacks of ground cover use, tillage and residual herbicides in controlling weeds.	https://www.soilwealth.com.au/resources/case-studies/iwm-on-a-bathurst-pumpkin-farm-advantages-drawbacks-of-ground-cover-use-tillage-and-residual-herbicides/

10. WEED MANAGEMENT AND CROP PROTECTION (CONTINUED)

Title	Summary	Link
Integrated Weed Management, using cover crops and strip-till (6 minutes) <i>Podcast, June 2020</i>	This podcast discusses how inter-row ground cover and an integrated approach using cover crops and strip-till may suppress weeds.	https://www.soilwealth.com.au/resources/podcasts/integrated-weed-management-using-cover-crops-and-striptill-6-minutes/
Cover crops for weed suppression in snow peas <i>Articles and publications, July 2020</i>	The Cambodian Grower Group in New South Wales is exploring the potential of cover crops as part of an integrated weed management strategy.	https://www.soilwealth.com.au/resources/articles-and-publications/cover-crops-for-weed-suppression-in-snow-peas/
Integrated weed management (webinar 1 of 3): A practical approach for vegetable growers <i>Webinar recording, November 2020</i>	Integrated weed management (IWM) is vital for getting on top of weed problems in vegetable production. This webinar covers the key tactics and principles using successful examples of IWM.	https://www.soilwealth.com.au/resources/webinar-recordings/integrated-weed-management-webinar-1-of-3-a-practical-approach-for-vegetable-growers/
Nutgrass (<i>Cyperus rotundus</i>) <i>Fact sheet, December 2020</i>	This fact sheet explains how an integrated weed management (IWM) strategy, including cultivation measures and chemical control, is the best approach for reducing nutgrass populations to a manageable level.	https://www.soilwealth.com.au/resources/fact-sheets/weed-management/nutgrass-cyperus-rotundus/
Integrated weed management (webinar 2 of 3): How cover cropping can improve its use for vegetable growers <i>Webinar recording, December 2020</i>	This webinar looks at the capacity of both summer and winter cover crops to out-compete weeds during non-cash cropping periods, reduce the weed seedbank and improve soil health.	https://www.soilwealth.com.au/resources/webinar-recordings/integrated-weed-management-webinar-2-of-3-how-cover-cropping-can-improve-its-use-for-vegetable-growers/
Integrated weed management (webinar 3 of 3): The future of intergrated weed management in vegetable farming <i>Webinar recording, February 2021</i>	This webinar will look into the future of integrated weed management (IWM) and how innovations can benefit the vegetable industry.	https://www.soilwealth.com.au/resources/webinar-recordings/integrated-weed-management-webinar-3-of-3-the-future-of-integrated-weed-management-in-vegetable-farming/
Integrated weed management: Volunteer potatoes (<i>Solanum tuberosum</i>) <i>Fact sheet, February 2021</i>	Volunteer potatoes (<i>Solanum tuberosum</i>) are a significant weed problem in the field following a potato harvest. This fact sheet provides information on how an integrated weed management strategy can be effective in managing this issue.	https://www.soilwealth.com.au/resources/fact-sheets/weed-management/integrated-weed-management-volunteer-potatoes-solanum-tuberosum/
Integrated weed management: Oxalis (<i>Oxalis</i> spp.) <i>Fact sheet, February 2021</i>	There are about 30 oxalis species in Australia, including soursob and creeping oxalis. Preventing the spread of underground bulbs and seeds is critical for control of soursob and creeping oxalis respectively.	https://www.soilwealth.com.au/resources/fact-sheets/weed-management/integrated-weed-management-oxalis-oxalis-spp/
Virtual shed walk: microwave technology for control of weeds, diseases and pests <i>Webinar recording, September 2021</i>	Liam Hescock and the team from Growave, alongside grower Ed Fagan and Soil Wealth ICP's Marc Hinderager, showcase the next-generation microwave technology and answer questions from the audience.	https://www.soilwealth.com.au/resources/webinar-recordings/virtual-shed-walk-microwave-technology-for-control-of-weeds-diseases-and-pests/



11. DISEASE MANAGEMENT AND CROP PROTECTION

Title	Summary	Link
Fusarium wilt management in vegetables with Dr Len Tesoriero <i>Webinar recording, December 2017</i>	This webinar recording shares the latest techniques in managing the soil-borne disease Fusarium wilt in vegetable crops including solanaceous crops, legumes, cucurbits and sweet potatoes.	https://www.soilwealth.com.au/resources/webinar-recordings/fusarium-wilt-management-in-vegetables-with-dr-len-tesoriero/
Damping off in spinach: Best bet fungicide and biologicals trial 2016-2017 <i>Case study, May 2018</i>	A preliminary field trial was conducted at Harvest Farms in Tasmania to evaluate the efficacy of chemical and biological control treatments for damping off in spinach.	https://www.soilwealth.com.au/resources/case-studies/damping-off-in-spinach-best-bet-fungicide-and-biologicals-trial-20162017/
Sclerotinia rot of green beans <i>Fact sheet, July 2018</i>	This fact sheet describes ways to identify sclerotinia rot, management options and important irrigation timings.	https://www.soilwealth.com.au/resources/articles-and-publications/sclerotinia-rot-of-green-beans/
Sclerotinia rot of vegetable crops <i>Fact sheet, July 2018</i>	This fact sheet outlines the disease life cycle of sclerotinia rot and management options for affected vegetable crops.	https://www.soilwealth.com.au/resources/articles-and-publications/sclerotinia-rot-of-vegetable-crops/
Clubroot management in brassica vegetables <i>Fact sheet, August 2018</i>	This fact sheet identifies clubroot, management strategies including integrated approaches, as well as evaluating the risk of infection.	https://www.soilwealth.com.au/resources/fact-sheets/pest-and-disease-management/clubroot-management-in-brassica-vegetables/
Managing fusarium diseases in vegetable crops <i>Fact sheet, August 2018</i>	This fact sheet provides practical information on the factors that favour fusarium diseases, and management strategies.	https://www.soilwealth.com.au/resources/fact-sheets/pest-and-disease-management/managing-fusarium-diseases-in-vegetable-crops/
The role of soil DNA testing in managing the risk of soil-borne diseases – How is it being used and what can it do? <i>Webinar recording, August 2018</i>	This webinar recording covers better management of soil-borne diseases in vegetables through the use of DNA testing.	https://www.soilwealth.com.au/resources/webinar-recordings/the-role-of-soil-dna-testing-in-managing-the-risk-of-soilborne-diseases-how-is-it-being-used-and-what-can-it-do/
Soil-Borne Disease Series: Basal plate rot <i>Video, September 2018</i>	A short video presented by Dr Len Tesoriero on the identification, causes and management of basal plate rot.	https://www.soilwealth.com.au/resources/videos-and-apps/soil-borne-disease-series-basal-plate-rot/
Soil-Borne Disease Series: Big vein <i>Video, September 2018</i>	A short video presented by Dr Len Tesoriero on the identification, causes and management of big vein.	https://www.soilwealth.com.au/resources/videos-and-apps/soil-borne-disease-series-big-vein/
Soil-Borne Disease Series: Black rot <i>Video, September 2018</i>	A short video presented by Dr Len Tesoriero on the identification, causes and management of black rot.	https://www.soilwealth.com.au/resources/videos-and-apps/soil-borne-disease-series-black-rot/
Soil-Borne Disease Series: Bottom rot <i>Video, September 2018</i>	A short video presented by Dr Len Tesoriero on the identification, causes and management of bottom rot.	https://www.soilwealth.com.au/resources/videos-and-apps/soil-borne-disease-series-bottom-rot/



11. DISEASE MANAGEMENT AND CROP PROTECTION (CONTINUED)

Title	Summary	Link
Soil-Borne Disease Series: Club root <i>Video, September 2018</i>	A short video presented by Dr Len Tesoriero on the identification, causes and management of club root.	https://www.soilwealth.com.au/resources/videos-and-apps/soil-borne-disease-series-club-root/
Soil-Borne Disease Series: Summer root rot <i>Video, September 2018</i>	A short video presented by Dr Len Tesoriero on the identification, causes and management of summer root rot.	https://www.soilwealth.com.au/resources/videos-and-apps/soil-borne-disease-series-summer-root-rot/
How to manage sclerotinia in vegetable crops with Dr Len Tesoriero <i>Podcast, February 2019</i>	This podcast of a webinar recording discusses sclerotinia management in vegetable crops.	https://www.soilwealth.com.au/resources/podcasts/how-to-manage-sclerotinia-in-vegetable-crops-with-dr-len-tesoriero-webinar-recording/
Soil-borne diseases in vegetable crops: A practical guide to identification and control <i>Articles and publications, June 2019</i>	This practical guide is divided into chapters based on vegetable crop families. Each chapter contains information on the identification and control of the major soil-borne diseases for each crop.	https://www.soilwealth.com.au/resources/articles-and-publications/soil-borne-diseases-in-vegetable-crops-a-practical-guide-to-identification-and-control/
Chilli spacing trial: Summary report <i>Case study, July 2019</i>	This summary describes a field trial that aimed to examine if reducing plant density can reduce soil-borne disease incidence and/or improve marketable yields in chilli crops.	https://www.soilwealth.com.au/resources/case-studies/chilli-spacing-trial-summary-report/
Soil-borne disease management in greenhouse capsicums demonstration report – North Adelaide Plains, Virginia, South Australia <i>Articles and publications, December 2019</i>	This report presents the findings from a grower led demonstration trial which aimed to provide a preliminary feasibility assessment of the effect of soil amendments in suppressing soil-borne diseases.	https://www.soilwealth.com.au/resources/articles-and-publications/soilborne-disease-management-in-greenhouse-capsicums-demonstration-report-north-adelaide-plains-virginia-south-australia/
Evaluation of postharvest treatments for the control of bacterial soft rot in potatoes – Research Report <i>Articles and publications, February 2019</i>	This trial was set up to explore the effect of sanitisers and/or drying on the development of rots in potatoes transported for 24 hours at high temperature and high humidity. Read this research report to find out more.	https://www.soilwealth.com.au/resources/articles-and-publications/evaluation-of-postharvest-treatments-for-the-control-of-bacterial-soft-rot-in-potatoes-research-report/
Brown etch on butternut pumpkins – Beauty is more than skin deep <i>Webinar recording, April 2020</i>	Researchers Dr Jenny Ekman and Dr Len Tesoriero explain how you can predict when brown etch is likely to occur in a crop, and what you can do to control it.	https://www.soilwealth.com.au/resources/webinar-recordings/brown-etch-on-butternut-pumpkins-beauty-is-more-than-skin-deep/
Pink rot fact sheet <i>Fact sheet, April 2020</i>	This fact sheet outlines the symptoms, hosts, risk factors and disease cycle of pink rot, as well as potential management options.	https://www.soilwealth.com.au/resources/fact-sheets/pest-and-disease-management/pink-rot-fact-sheet/
Potato soft rot podcast (9 min listen) <i>Podcast, May 2020</i>	Agronomists Marc Hinderager and Dr Pieter Van Nieuwenhuysse discuss a trial that explores the effect of sanitisers and/or drying on postharvest bacterial soft rot in potatoes.	https://www.soilwealth.com.au/resources/podcasts/potato-soft-rot-podcast-9-min-listen/
Internal rot of capsicum <i>Webinar recording, September 2020</i>	Dr Jenny Ekman and Dr Len Tesoriero discuss the different fungi that cause internal rot of capsicum.	https://www.soilwealth.com.au/resources/webinar-recordings/internal-rot-of-capsicum/
Better managing soil-borne diseases with pathogen DNA testing <i>Fact sheet, December 2020</i>	This fact sheet provides guidance on the importance of monitoring soil-borne diseases, including tips for understanding and managing soil-borne disease risks.	https://www.soilwealth.com.au/resources/fact-sheets/soil-nutrition-and-compost/better-managing-soilborne-diseases-with-pathogen-dna-testing/
Pest and disease management in focus at SA workshop <i>Articles and publications, April 2021</i>	Vegetable growers and industry members attended a workshop in South Australia to hear about pest and disease management.	https://www.soilwealth.com.au/resources/articles-and-publications/pest-and-disease-management-in-focus-at-sa-workshop/

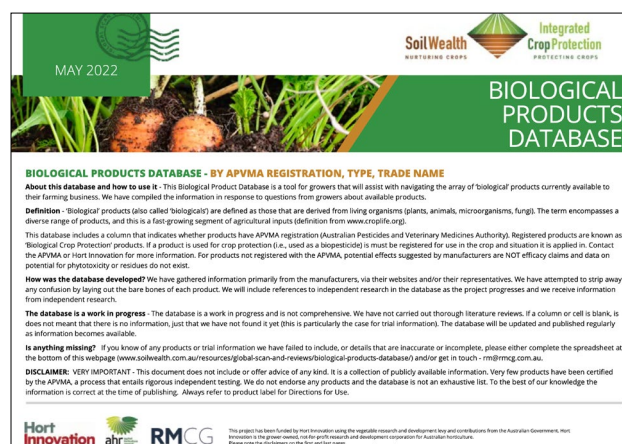
11. DISEASE MANAGEMENT AND CROP PROTECTION (CONTINUED)

Title	Summary	Link
A guide to preventing leaf and stem diseases <i>Global scan and review, June 2021</i>	This guide gives a brief overview of plant disease, general methods of transmission and the conditions that foster key diseases of aboveground vegetable plant parts.	https://www.soilwealth.com.au/resources/global-scan-and-reviews/a-guide-to-preventing-leaf-and-stem-diseases/
At the cutting edge: Area wide management of insect vectored viral and bacterial diseases <i>Webinar recording, July 2022</i>	Watch this webinar recording to hear from industry-leading researchers about the key findings and area wide management (AWM) strategies of insect-vectored viral and bacterial diseases of vegetable crops.	https://www.soilwealth.com.au/resources/webinar-recordings/at-the-cutting-edge-areawide-management-of-insectvectored-viral-and-bacterial-diseases/
AWM webinar mini-series #1: In control - managing cucurbit viruses for profitable vegetable production <i>Webinar recording, August 2022</i>	This webinar mini-series focused on area wide management (AWM) strategies to control viruses in cucurbits including cucumber green mottle mosaic virus (CGMMV) and zucchini yellow mosaic virus (ZYMV).	https://www.soilwealth.com.au/resources/webinar-recordings/awm-webinar-miniseries-1-in-control-managing-cucurbit-viruses-for-profitable-vegetable-production/
AWM webinar mini-series #2: In control - managing capsicum viruses for profitable vegetable production <i>Webinar recording, August 2022</i>	This webinar mini-series focused on area wide management (AWM) strategies to control viruses in capsicums including tomato spotted wilt virus (TSWV), pepper mild mottle virus (PMMoV), capsicum chlorosis virus (CaCV) and insect transmission.	https://www.soilwealth.com.au/resources/webinar-recordings/awm-webinar-miniseries-2-in-control-managing-capsicum-viruses-for-profitable-vegetable-production/
AWM webinar mini-series #3: In control - managing lettuce viruses for profitable vegetable production <i>Webinar recording, October 2022</i>	This webinar mini-series focused on area wide management (AWM) strategies to control viruses in lettuce including lettuce mosaic virus (LMV), lettuce necrotic yellows virus (LNYV), lettuce big vein disease (LBVD) and tomato spotted wilt virus (TSWV).	https://www.soilwealth.com.au/resources/webinar-recordings/awm-webinar-miniseries-3-in-control-managing-lettuce-viruses-for-profitable-vegetable-production/
Rhizoctonia Solani anastomosis groups and their hosts <i>Fact sheet, October 2022</i>	<i>Rhizoctonia Solani</i> is a fungal pathogen comprised of many species and strains that can cause diseases in vegetable crops such as damping off, root and stem rots, and sometimes leaf blighting or leaf spots.	https://www.soilwealth.com.au/resources/fact-sheets/pest-and-disease-management/rhizoctonia-solani-anastomosis-groups-and-their-hosts/
Lily the Pink: Simplot and TIA investigating pink rot infection pathways <i>Articles and publications, October 2022</i>	During Simplot's grower R&D updates, growers and industry heard more about the 'Lily the Pink' project, a collaboration with the Tasmanian Institute of Agriculture (TIA).	https://www.soilwealth.com.au/resources/articles-and-publications/lily-the-pink-simplot-and-tia-investigating-pink-rot-infection-pathways/



12. BIOLOGICAL CROP PROTECTION PRODUCTS

Title	Summary	Link
Biological Products Database <i>Global scan and review, December 2019 (updated July 2020, October 2020, August 2021 and May 2022)</i>	This Biological Products Database is a tool to help growers navigate the array of 'biological' products currently available to their farming business.	https://www.soilwealth.com.au/resources/global-scan-and-reviews/biological-products-database/
Importance of beneficial biological organisms in soil for vegetable crops <i>Articles and publications, May 2020</i>	This article explains how enhancing natural populations of beneficial soil organisms can aid in the growth and establishment of crops, as well as improve soil health.	https://www.soilwealth.com.au/resources/articles-and-publications/importance-of-beneficial-biological-organisms-in-soil-for-vegetable-crops/
Using mycorrhizae to boost vegetable crop quality and yield <i>Articles and publications, July 2020</i>	As the use of biological crop products increases in the Australian vegetable industry, it is essential that growers have a clear understanding of soil biology and how these products can work effectively. This includes the role of mycorrhizae and how it can impact the quality and yield of a crop.	https://www.soilwealth.com.au/resources/articles-and-publications/using-mycorrhizae-to-boost-vegetable-crop-quality-and-yield/
At the cutting edge: Advancements in biopesticides for profitable vegetable production <i>Webinar recording, September 2020</i>	Hear from leading international researchers discuss biopesticides, a diverse group of pest control products based on naturally occurring biochemicals, minerals and microbes.	https://www.soilwealth.com.au/resources/webinar-recordings/at-the-cutting-edge-advancements-in-biopesticides-for-profitable-vegetable-production/
Biological products and new phosphorus fertiliser technology for potato productivity <i>Webinar recording, October 2020</i>	The Potato Pest and Disease R&D Coordination project, Soil Wealth ICP, McCain and Nutrien delivered an informative session on biological R&D resoures, products and testing options for potato growers.	https://www.soilwealth.com.au/resources/videos-and-apps/biological-products-and-new-phosphorus-fertiliser-technology-for-potato-productivity/



13. MISCELLANEOUS

Title	Summary	Link
Farm trial design: What to consider <i>Fact sheet, September 2018</i>	If you're interested in trialling different management practices, technologies or varieties on-farm, read this fact sheet for guidance on planning, choosing sites and collecting data for your on-farm trial.	https://www.soilwealth.com.au/resources/fact-sheets/crop-management/farm-trial-design-what-to-consider/
Effective R&D support when face to face isn't possible <i>Fact sheet, March 2020</i>	As face to face industry events are put on hold, the Soil Wealth ICP team is ready to provide additional remote support and engagement in these challenging times. See our fact sheet to get in touch with our expert contacts on a technical area or issue.	https://www.soilwealth.com.au/resources/fact-sheets/crop-management/effective-rd-support-when-face-to-face-isnt-possible/

13. MISCELLANEOUS (CONTINUED)

Title	Summary	Link
<p>Soil Wealth ICP broadcasts live from EGVID 2020</p> <p><i>Video, May 2020</i></p>	<p>During the 2020 East Gippsland Vegetable Innovation Days, the Soil Wealth ICP team organised live streams of the agri-chemical and seed trials at the site alongside event organisers and agronomists Stuart Grigg and Noel Jansz.</p>	<p>https://www.soilwealth.com.au/resources/articles-and-publications/soil-wealth-icp-broadcasts-live-from-egvid-2020/</p>
<p>Postharvest management of broccoli</p> <p><i>Webinar recording, July 2020</i></p>	<p>Dr Jenny Ekman outlines the preharvest and postharvest technologies and techniques needed to overcome broccoli's short storage life, and discusses how to keep customers happy and coming back for more.</p>	<p>https://www.soilwealth.com.au/resources/webinar-recordings/postharvest-management-of-broccoli/</p>
<p>Wet end to 2020: Seasonal climate outlook for vegetable growing regions (October to December 2020)</p> <p><i>Articles and publications, October 2020</i></p>	<p>This article interprets the seasonal climate outlook for vegetable growing regions towards the end of 2020.</p>	<p>https://www.soilwealth.com.au/resources/articles-and-publications/wet-end-to-2020-seasonal-climate-outlook-for-vegetable-growing-regions-october-december-2020/</p>
<p>Sustainable vegetable production in Australia: What's next?</p> <p><i>Articles and publications, November 2020</i></p>	<p>Soil Wealth ICP Partnership Network member Sustainable Farming Solutions explains what's on the horizon for Australia in terms of sustainable vegetable production.</p>	<p>https://www.soilwealth.com.au/resources/articles-and-publications/sustainable-vegetable-production-in-australia-whats-next/</p>
<p>Warren Improvement Group: Young growers with a fresh focus in Western Australia</p> <p><i>Case study, January 2021</i></p>	<p>A group of young growers have joined the Warren Improvement Group in Western Australia to provide a fresh focus on improving vegetable production in the Manjimup region.</p>	<p>https://www.soilwealth.com.au/resources/case-studies/warren-improvement-group-young-growers-with-a-fresh-focus-in-western-australia/</p>
<p>Seasonal climate outlook for vegetable growing regions – February to April 2021</p> <p><i>Articles and publications, January 2021</i></p>	<p>This article interprets the seasonal climate outlook for vegetable growing regions at the start of 2021.</p>	<p>https://www.soilwealth.com.au/resources/articles-and-publications/seasonal-climate-outlook-for-vegetable-growing-regions-february-to-april-2021/</p>
<p>Environmental stewardship starts in your own backyard</p> <p><i>Articles and publications, February 2021</i></p>	<p>EnviroVeg can help growers identify environmental stewardship opportunities and take action to ensure their vegetable growing business is environmentally responsible.</p>	<p>https://www.soilwealth.com.au/resources/articles-and-publications/environmental-stewardship-starts-in-your-own-backyard/</p>
<p>Strength in collaboration and shared learning benefits growers</p> <p><i>Articles and publications, May 2021</i></p>	<p>While many growers will know of E.E. Muir & Sons, what they may not be familiar with are the discussions and collaboration that happen behind the scenes to provide the best information on agronomy, trials and product development to growers.</p>	<p>https://www.soilwealth.com.au/resources/articles-and-publications/strength-in-collaboration-and-shared-learning-benefits-growers/</p>
<p>Carbon management on vegetable farms - emissions, sequestration and beyond</p> <p><i>Webinar recording, November 2021</i></p>	<p>Carbon is the main component of soil organic matter and helps give soil its water-retention capacity, its structure, and its fertility. The management of carbon is not only important for soil health and productive vegetable crops, but is also increasingly important in carbon markets and reducing the effects of climate change.</p>	<p>https://www.soilwealth.com.au/resources/webinar-recordings/carbon-management-on-vegetable-farms-emissions-sequestration-and-beyond/</p>

13. MISCELLANEOUS (CONTINUED)

Title	Summary	Link
The Carbon Series Part 1: Carbon farming and its relevance to vegetable growers <i>Global scan and review, January 2022</i>	This four-part Carbon Series breaks down the practicalities of carbon farming for vegetable growers and looks more closely at soil carbon management. Part 1 provides an overview of carbon farming and its relevance to Australian vegetable growers.	https://www.soilwealth.com.au/resources/global-scan-and-reviews/the-carbon-series-part-1-carbon-farming-and-its-relevance-to-australian-vegetable-growers/
The Carbon Series Part 2: Soil carbon and carbon sequestration <i>Global scan and review, January 2022</i>	Part 2 of the Carbon Series delves into soil carbon and carbon sequestration.	https://www.soilwealth.com.au/resources/global-scan-and-reviews/the-carbon-series-part-2-soil-carbon-and-carbon-sequestration/
The Carbon Series Part 3: Carbon emissions in vegetable production <i>Global scan and review, January 2022</i>	Part 3 of the Carbon Series discusses carbon emissions in vegetable production.	https://www.soilwealth.com.au/resources/global-scan-and-reviews/the-carbon-series-part-3-carbon-emissions-in-vegetable-production/
The Carbon Series Part 4: Carbon accounting and the Emissions Reduction Fund <i>Global scan and review, January 2022</i>	Part 4 of the Carbon Series takes you through carbon accounting and the Emissions Reduction Fund.	https://www.soilwealth.com.au/resources/global-scan-and-reviews/the-carbon-series-part-4-carbon-accounting-and-the-emissions-reduction-fund/
The Carbon Series: Developing carbon neutral sweet corn <i>Podcast, January 2022</i>	Hear more about Mulgowie Farming Company's journey to develop carbon neutral sweet corn in Queensland, which was certified by Carbon Friendly.	https://www.soilwealth.com.au/resources/podcasts/the-carbon-series-developing-carbon-neutral-sweet-corn/
Soil Wealth ICP grower panel discussion - 2022 Annual Vegetable Industry Seminar <i>Video, August 2022</i>	Presentations at the 2022 Annual Vegetable Industry Seminar included a grower panel from the Soil Wealth ICP project.	https://www.soilwealth.com.au/resources/videos-and-apps/soil-wealth-icp-grower-panel-discussion-2022-annual-vegetable-industry-seminar/

