# Horticulture Innovation Australia

## **Final Report**

**Extension service for the Victorian vegetable industry** 

Helena Whitman Vegetable Growers Association of Victoria

Project Number: VG12107

#### VG12107

This project has been funded by Horticulture Innovation Australia Limited with co-investment from the Vegetable Growers Association of Victoria and funds from the Australian Government.

Horticulture Innovation Australia Limited (Hort Innovation) makes no representations and expressly disclaims all warranties (to the extent permitted by law) about the accuracy, completeness, or currency of information in *Extension service for the Victorian vegetable industry*.

Reliance on any information provided by Hort Innovation is entirely at your own risk. Hort Innovation is not responsible for, and will not be liable for, any loss, damage, claim, expense, cost (including legal costs) or other liability arising in any way (including from Hort Innovation or any other person's negligence or otherwise) from your use or non-use of *Extension service for the Victorian vegetable industry*, or from reliance on information contained in the material or that Hort Innovation provides to you by any other means.

This report was previously confidential.

The confidentiality period has now expired. Please ignore all references to confidentiality within the report.

ISBN 0 7341 3722 2

Published and distributed by: Horticulture Innovation Australia Limited Level 8, 1 Chifley Square Sydney NSW 2000

Tel: (02) 8295 2300 Fax: (02) 8295 2399

© Copyright 2016

### Contents

Summary	3
Introduction	4
Methodology	5
Outputs	6
Outcomes	7
Appendices	8

#### **Summary**

This project has enabled the Vegetable Growers Association of Victoria (VGA Vic) to engage the parttime services of an Industry Extension Officer to provide industry development services to the Victorian vegetable industry. These services have included communication and extension of research and development (R&D) outcomes and farm business information through VGA Vic publications and farm visits

Publications that have been utilised for the communication of information through this project included the VGA Vic quarterly magazine and the In-The-Field newsletter which are distributed to VGA Vic Members, Associate Members and other industry stakeholders. These publications include R & D activities and outcomes and other industry issues.

VGA Vic Extension staff have produced four magazines during this project as well as 26 In-the-Field publications, attended many meetings and events and kept growers informed of relevant and important matters relating to their business. These publications, along with the VGA Vic website are the main communication vehicles for Victorian vegetable growers and industry stakeholders.

Grower visits have also been conducted to distribute information on behalf of researchers and agencies delivering R&D to the Victorian and Australian vegetable industries.

#### Introduction

This project enabled the Vegetable Growers Association of Victoria (VGA Vic) to enhance its Extension Service for the Victorian Vegetable Industry for a 12 month period by funding a part-time Industry Extension Officer to deliver industry development services.

The withdrawing of all extension, research and development and other information delivery by the Victorian Department of Environment and Primary Industries (DEPI Vic) to the Victorian Vegetable Industry has seen this responsibility ever increasingly fall upon VGA Vic.

The part-time nature of the Association makes it difficult to accede to all grower and other enquiries without the support of Industry Extension staff who can respond to research, extension and training enquiries, identify appropriate sources of information and pass on relevant information upon request. This project enabled the funding of an Industry Extension Officer (covering Eastern Victoria) to support the Executive Manager (covering Northern and Western Victoria for industry development activities).

Extension of research and development outputs and other information remains a critical factor in advancing the Vegetable Industry. VGA Vic provides a range of extension tools to the Victorian industry, including a quarterly magazine (Vegetables Victoria), In-the-Field weekly publications, a searchable website, field days and workshops in conjunction with other service providers. However, a key means of achieving extension and information transfer in Victoria remains the provision of VGA Vic's Industry Extension staff.

It has been our experience that growers being time-poor, and requiring confidentiality, often require face-to-face assistance when implementing changes on-farm, both production and business related. They rely on VGA Vic staff to explain or interpret information, assist in adjusting practices or techniques or finding out more information because of their ability to be independent and maintain confidentiality.

It is also relevant that not every grower is able to attend workshops by visiting researchers or service providers. This role has been filled by VGA Vic staff who then summarise the information in publications allowing much greater penetration of research and development information than may otherwise occur.

The Extension staff have also provided a valuable feedback role so that the broader industry and research providers are kept aware of issues important to growers. In this way the industry can more quickly and more effectively address emerging issues through appropriate channels.

### Methodology

The project enabled the appointment of a part-time suitably qualified Industry Extension Officer (IEO) to provide enhanced industry development services by VGA Vic. The IEO serviced Eastern Victoria while the VGA Vic Executive Manager provided industry development services to Northern and Western Victoria. The two Extension staff were performance managed by the VGA Vic Executive Committee.

The Extension staff continued to spend time in the field directly engaging with growers on a one-on-one basis, providing on-farm support; facilitating/organising workshops where requested by service providers, researchers or growers; attending and reporting on workshops and forums; and publishing relevant articles.

The Extension staff also prepared articles for each edition of the quarterly Vegetables Victoria magazine, consisting of 8 pages of industry information including 4 pages on research or other relevant matters such as worker or food safety, chemical use, etc. In-the-Field articles (1 per week on average) were also prepared on all matters relevant to growers and distributed. They also distributed any other materials provided by service providers, researchers, HAL and AUSVEG for dissemination during farm visits.

Materials produced by the national research and development program were promoted as appropriate.

#### **Outputs**

- The Extension staff have contributed numerous articles for the Vegetables Victoria magazine each quarter (sent to over 500 subscribers) such as
  - Stabilised nitrogen for vegetable crops
  - o VG 09086 Evaluation of vegetable washing chemicals
  - Veggycation
  - Growing Leaders Program
  - Sanitation of Water
  - East Gippsland Leafy Veg Demo Day
  - Fresh Produce Safety Centre
  - Chemical User Permits
  - Measuring Crop Water Use Efficiency
  - Ladybird developer awarded Researcher of the Year
- 26 In-the-Field newsletters have been prepared and distributed to over 200 growers and industry stakeholders over the past 12 months including:
  - R & D reports & findings
  - Pest & Disease outbreaks
  - Promoting industry programs and leadership training opportunities
  - Promoting field days, workshops and forums
  - General industry information
  - Grower profiles
- Face-to-face and group grower visits have been conducted in Northern, Eastern and Western Victoria:
- Representation at workshops, meetings and forums
  - HAL/AUSVEG Levy Payer meetings
  - White Blister Field Day Werribee
  - APEN Conference in NZ
  - o Agribusiness Summit in Ballarat
  - o HAL Review meeting
  - EnviroVeg Field Walk & app launch
  - Vegetable Health Benefits Workshop
  - AUSVEG Convention
- Extension staff have been involved in assisting researchers with either accessing growers or providing information and feed-back
- Encouraged participation in the HAL funded Vegetable Leadership Program 'Growing Leaders' seven Victorian growers in 2013 intake and several in 2014 intake and assisted Victorian participants with information and guidance
- Assisted Emma Germano to obtain a Nuffield Scholarship and provided guidance and information
- Nominated growers for various Industry Awards
- Made application and written tenders for various R&D projects
- Assisted media with information
- Responded to various enquiries, reviews, R&D surveys, interviews and questionnaires
- Provided feedback from growers to VGA Vic
- A well-populated and accessed website with over 2000 visitors per month.

#### **Outcomes**

Through this project we have been able to promote many of the R&D project outcomes available to growers, including apps developed by AUSVEG and other R&D Service Providers that may be of benefit to growers. Extension staff have also distributed publications and outputs resulting from R&D projects.

VGA Vic has conducted and promoted surveys on behalf of R&D Service Providers, mailed out information and booklets produced by Service Providers and generally assisted where possible to promote R&D outputs and outcomes.

VGA Vic has also provided feedback to AUSVEG on R&D issues and potential projects.

### **Appendices**

#### **Examples of In-the-Field articles**





Clearing Native Vegetation



Growing Leaders 2014



Health Benefits of Vegetables



Lettuce Classifications



Horticulture - The Next Generation



National Awards for Excellence





**Negotiation Training** 



Chemical Security



Cost of Production Survey



Levy Payer Meetings 2014



National Heavy Vehicle Regulator



R&D on your phone



Vic Grower Wins Nuffield Scholarship



Biosecurity Survey



OH & S Training



Free Energy Audits



EnviroVeg App Launched



R&D Project Design Teams



New Migrant Worker Act











What is a head of lettuce?





The Journal of the Vegetable Growers' Association of Victoria (Inc.) | March 2014

# **Growing Leaders Program 2013**



Last year saw four Victorian participants take part in the Growing Leaders program. The program is a vegetable levy funded program that has been running for several years and seen many graduates from all states and aspects of vegetable production participate. Many grower businesses have realised the value of the program and enrolled staff in an effort to enhance their business skills, as well as their understanding of the industry.

The program is designed to increase confidence in dealings with all aspects of life and business. It improves participant skills in negotiations, conflict resolution, and assists in creating invaluable networks. The enthusiasm of past participants and their glowing reports make it difficult to understand why every vegetable business is not taking advantage of this opportunity. It is hard work but well worth the effort invested.

Continues page 4...

Jointly funded by the VGA and DPI Victoria



#### VG09086 - Evaluation of vegetable washing chemicals

An acent project completed by Or Robert Premier evaluated a number of sanitising chemicals and compand them in terms of loading, ease-of-us, cost and effects on the postanevast shell file of leafy vegatables.

Part of the requirements of a good on-term OA, tain is the Part of the requirements of a good on-term OA, tain is the containing a sanitist or chemical. This sanitation step will reduce the leaves of the containing a sanitist or chemical. This sanitation step will reduce the leaves of tackering, sucluding any ordentiating human partiagens, and prevent cross contamination of produce during the westing stone.

containing a smitiser chemical. This sanitation slap will reduce the levies of bacteris, including any containating human prothegers, and prevent cross contamination of produce during the weshing stage of the contained the produce and provided the produce are produced to the consumer in a visually appealing produce are:

• To ensow dirt and dust so that they can be presented to the consumer in a visually appealing manner;

• Washing with sanitisers for postharved treatment purposes so that postharened part desires can be lept under control and any stage of the consumer in a beapt under control and participation of the consumer and the produced treatment purposes so that postharened participation and produced that may be present on the surface of vegatables are not passed on to consumers and to prevent cross contamination of produced during the washing stage. The men improduced that the produced produced the produced that the produced that the surface of vegatables are not passed on to consumers and to prevent cross contamination of produced during the washing stage, are more improduced as suppermarkets, wholesalers and processors are pushing food safely down the line of stupply to growers.

In Australia there are many sanitising chemicals available or growers, however, growers do not have much independent his evaluated a number of sanitising chemicals and compared them in evaluated a number of sanitising chemicals and compared them in the visual and a proposition of the produced that they are washed is critical in preventing food safely incidents at point of consumption. The comparison between sanitisers was already present on form. The weightables used in the lesting were part of a normal branced on that stage chemicals and the lesting were part of a normal branced on that stage chemicals are large to the project stage of the produced produced the sanitisers.

The efficacy of promyocidic acid and acidic acid sanitisers.

The efficacy of now and emerging chemical free sanitisers technology, and the produced and





# **VEGGYCATION**



Workshops on communicating the health benefits of vegetables were recently held around Australia. Presented by Dr Hazel MacTavish-West, Carolyn Lister and Jocelyn Eason (Plant & Food Research New Zealand), the workshops were attended by a cross section of industry, including growers, wholesalers, marketeers and dieticians.

The project, funded by the National Vegetable Levy with matched funds from the Australian Government, aims to highlight the health benefits of vegetable consumption through the Veggycation website and other material.

All of the nine major health benefit claims identified by FSANZ can be claimed by vegetables. Veggycation plans to use symbols, similar to The Heart Foundation's 'tick of approval', to highlight health benefit claims, such as improved sight and stronger bones,

or enhanced energy and hydration.

The Veggycation website (www.veggycation.com.au) is live now, with a searchable database and links to downloads including a fun site for children and teachers. The website will also provide a tutorial regarding FSANZ regulation of health claims on-pack and elsewhere for promoting the health benefits of vegetables.