

#### Advertising

Michael Cook  
(National Advertising Manager)  
P: 07 4659 3555  
F: 07 4638 4520  
M: 0428 794 801  
E: advertising@greenmountpress.com.au

#### Editor

Lloyd O'Connell

#### Associate Editor

David Dowling

#### Production and Design

Mick Allan

CONTENTS OF ADVERTISEMENTS are the responsibility of the advertisers. All statements and opinions expressed in Australian Grain are published after due consideration of information gained from sources believed to be authentic. The following of advice given is at the reader's own risk, and no responsibility is accepted for the accuracy of the matter published herein. No portion in whole or part may be reproduced without permission of the publisher.

Copyright 2017.

Published by Berekua Pty. Ltd.,

40 Creek Street, Brisbane

Registered by Australia Post Publication No.

PP100002295. ISSN 1449-2970.

Published bi-monthly.

Grain Yearbook published in April

## FRONT COVER

### Unlikely hi-tech bedfellows



CSIRO Scientist Dr Dong Han Seo, holds a piece of graphene film 'grown' from soybean oil. Graphene is the world's strongest material and has a multitude of applications.

See article Page 8.

# Contents

Editorial	4
Keep it simple when it comes to nitrogen	6
Soybean and graphene: Unlikely hi-tech bedfellows	8
Researchers develop eco-friendly nanotechnology pesticide spray	10
Paddock selection for broadleaf crops in 2017	12
Choosing the right pulse for 2017	14
<b>Classic Tractor Tales...</b>	
On the scrapheap – nearly: Part 2	20
Harvest rain impacts quality of sowing seed	24
<b>Marketing...</b>	
Will low prices cure low prices?	25
IGC sees a smaller 2017–18 wheat harvest	25
What next after TPP?	26
New trade policies generate some whiplash	28
Only 30 per cent of Australians are whole grain healthy	29
Post-harvest ideal time for stored grain fumigation	30
Grain protectants build barrier against storage pests	31
New canola releases for 2017	32
<b>AHRI insight...</b>	
New boy band – 'The Feathertop Rhodes'	33
About weed seeds and their longevity	34
Dispelling common misconceptions about 'superweeds'	35
Mobile system removes phosphorus from manure	37
<b>Farming in Foreign Fields...</b>	
Changing the face of farming in Romania	38
Using herpes virus to eradicate feral fish? Carp diem!	40
<b>News &amp; New Products</b>	43
<b>District Reports</b>	43

## Focus Sections

### Southern Australia Focus

*Covering cropping systems of Southern NSW, Victoria, South Australia, Western Australia and Tasmania*

#### AHRI insight...

Chaff carts – good for the crop and the sheep	i
Testing can guide plan of attack against nematodes	iv
European lessons shared on fungicide resistance	v
What's in Big Data for farmers?	vi
Native eucalyptus oil shows huge promise for natural pest control	vii
Resource provides guidance on machinery investment	viii

### Northern Focus

*Covering Northern NSW and Queensland*

Protecting mungbean rhizobia	i
Early action pays off in war on weeds	iii
Ramp up the competition in summer crops	v
Value-added use for peanut skins	vi
Sorghum impresses with quick emergence	vii
The 'push/pull' sorghum market	vii
Chinese market looking bright for sorghum	viii