

**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 2018.

Published by Bereku 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**

**Avoid the burn**

Grain growers are advised to take extra care with seed and fertiliser placement when



confronted with dry sowing conditions. Dry soils increase the risk of harm to germinating seeds by fertiliser, especially when it is placed too close to the seed or at rates that are too high. See article page 6.

(PHOTO: Evan Collis)

# Contents

Editorial	<b>4</b>
Avoid the burn: Take care with seed and fertiliser placement	<b>6</b>
Growers urged to monitor and manage early weeds	<b>8</b>
Edible food wraps, that’s a wrap	<b>9</b>
<b>Ask An Expert...</b>	
Is it possible to apply additional competition to inter-row weeds?	<b>10</b>
Weed-competitive wheat one step closer	<b>14</b>
Weed control is a package deal	<b>16</b>
<b>Classic Tractor Tales...</b>	
Weird – but clever!	<b>18</b>
Soil searching for better productivity	<b>24</b>
Plants can use underground communication to check on stress	<b>28</b>
<b>Marketing...</b>	
Global production risks all ahead	<b>29</b>
Are Australian grain supply chains getting cheaper?	<b>30</b>
Wheat quality preferences in Vietnam and Thailand	<b>31</b>
Chinese wheat stocks mask tight stocks-to-use ratio	<b>33</b>
Managing costs key to staying competitive with Black Sea wheat	<b>34</b>
Black Sea prices provide solid floor in the Asian wheat market	<b>35</b>
All hail the whole grain!	<b>36</b>
Baiting mice: Equipment set-up a key to success	<b>38</b>
Mice in the sights of major new research aim	<b>40</b>
Measuring nitrogen uptake and availability in the field	<b>41</b>
Best fertiliser bet for barley	<b>44</b>
Russian wheat aphid detected in Riverina rice	<b>46</b>
Salt tolerant rice variety approved	<b>47</b>
<b>News &amp; New Products</b>	<b>48</b>
<b>District Reports</b>	<b>51</b>

## Focus Sections

### Southern Australia Focus

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

Barley grass evolves into an even greater cereal pest **i**

**AHRI insight...**

    Has herbicide resistance in ryegrass in WA plateaued? **ii**

Positive returns for soil renovation **vi**

Managing lupin anthracnose **viii**

### Northern Focus

*Covering Northern NSW and Queensland*

Competitive crops can assist weed control **i**

Chickpeas can compete **ii**

Irrigated wheat study yields valuable tips for growers **vi**