

AUSTRALIA'S

HONEYBEE NEWS

"The Voice of the Beekeeper"
www.nswaa.com.au

Volume 12 Number 2
March - April 2019



Inside:

Conference Program - Page 10

Conference Guest Speakers - Page 14

NSWAA Executive Council Update - Page 26

Revised Approach for Control of AFB in NSW Page 38

DENMAR APIARIES

ITALIAN

Prices effective from 1 July 2018

UNTESTED

1-10 \$28.00 each

11-49 \$21.50 each

50+ \$20.00 each

and isolated mated breeders = \$420.00



Join now

TERMS 7 DAYS

Late Payments - Add \$4 Per Queen

PAYMENT BY: Cheque or Direct Debit

Details on ordering

QUEEN BEES

PO Box 99 WONDAI Queensland 4606

Phone: 0448 690 064 Email: ausbee4@hotmail.com



John Covey

Email: sales@coveybees.com.au

Ph: 0427 046 966

PO Box 72 Jimboomba QLD 4280

Specialising in Caucasian Queen Bees

1 - 9	\$32 ea
10 - 49	\$28 ea
50 - 199	\$25 ea
200 and over	per season	Discounts apply
Queen Cells	\$6.60 ea - collect only

Breeder Queens - \$550

Naturally mated on a remote island

Post and Handling \$15 per dispatch under 50 qty.

Prices include GST

Valid September 2017 to March 2018

Terms: Payment 10 days prior to dispatch

HONEY Down Under

Lloyd & Dawn Smith

Committed to maximising returns to beekeepers

Honey & Beeswax for sale? Call us for a quote

Phone 07 3271 2830 Fax 07 3376 0017

Mobile 0418 786 158

136 Mica Street, Carole Park Qld 4300

Email: hdunder@bigpond.net.au

*COVER: Bees Destroyed by Tingha Fire
Photograph: Casey Cooper*



AUSTRALIA'S HONEYBEE NEWS

The official Journal of the NSW Apiarists' Association (NSWAA) www.nswaa.com.au

Published Bi-Monthly Email: honeybeenews@icloud.com ISSN 1835 6621

CONTENTS

Executive & Industry Contacts	Page 4	Sugar Shake Month	Page 30
President's Report	Page 5	Frost Report	Page 31
Annual Conference 2019 Program	Page 10	Central Tablelands Branch Field Day	Page 33
NSWAA Conference Partners	Page 12	Apiary Support Desk Update	Page 35
NSWAA Trade Show Exhibitors	Page 13	A Revised Approach for the Control of AFB in NSW	Page 38
2019 State Conference Guest Speakers	Page 14	Varroa Destructor Feeds on the Bees' Fat Body	Page 42
Manage Damage	Page 16	Bee Biosecurity Officer Report	Page 44
NSW AA Nomination Form - Executive Council	Page 17	New Memebers	Page 47
Rural Financial Counselling Service	Page 19	Can Assist	Page 50
NSWAA Letter to Hon. Niall Blair & response	Page 20	AHBIC Update	Page 51
2019 AGM Dates	Page 23	Beekeeper Journals	Page 54
Doug's Column	Page 25	Advertisers	Page 54
NSWAA Executice Summary	Page 26		

**Copy Deadline for Next Issue of Australia's Honeybee News
Friday 24 May 2019**

Pre-Paid Advertising Rates

	FULL PAGE	HALF PAGE	QUARTER PAGE	EIGHTH PAGE
	<i>Colour</i>	<i>Colour</i>	<i>Colour</i>	<i>Colour</i>
6 Issues	\$2090.00	\$1180.00	\$640.00	\$380.00
3 Issues	\$1180.00	\$635.00	\$350.00	\$215.00
1 Issue	\$465.00	\$260.00	\$175.00	\$120.00

Classified Ads up to 5 lines - \$40.00 (FREE TO MEMBERS)

Australia's Honeybee News goes free of charge to NSWAA members. Subscriptions are welcome - within Australia \$65.00

Overseas (airmail) AUS\$95.00 - Payable to NSWAA, PO Box 5022 South Tamworth 2340 Australia Email: info@nswaa.com.au

The opinions expressed in articles published in *Australia's Honeybee News* are those of the authors and do not imply the endorsement of the NSWAA for the promotion of any product, goods or services mentioned unless specifically stated.

Editor: Vikki Bingley PO Box 7425 Sutton NSW 2620
Advertising Enquiries: *N.B New Ad setup \$50.00 alterations \$15.* Mobile: 0427 552 001 Email: honeybeenews@icloud.com
Printer: Impress Printers 2/55 Townsville Street Fyshwick ACT 2609
 Phone: (02) 6280 4238 Email: terry.impress@iinet.net.au

MEMBERSHIP SUBSCRIPTION RATES

*The Association Membership year runs
from: 1 March to 28 February*

Note: Rates from 1 March 2017

0 to	10 hives	\$100.00	1 vote
11 to	200 hives	\$200.00	2 votes
201 to	400 hives	\$300.00	4 votes
401 +	\$1.00 per hive		6 votes
700 +	\$1.00 per hive		8 votes
1001 +	\$1.00 per hive		10 votes
Over 1500 hives	\$1.00 per hive		12 votes
Affiliated/Retired/Student	\$65.00		1 vote
Honeybee News subscriber/member	\$65.00		0 vote

MEMBERSHIP BENEFITS

- Provide a means for the commercial apiarists of NSW to be represented through a common organisation
- Lobby to maintain access to essential floral resources
- Help to secure your Industry's future
- Provide strong representation to Government
- Membership Badge
- Copy of Biosecurity Manual for Beekeepers
- Annual subscription to *Australia's Honeybee News* the NSWAA bi-monthly Journal & FREE classified advertisement in Journal
- Annual State Conference & Trade/Field Days
- Support beekeepers in all regions through 9 NSWAA Branches
- Provide opportunities to meet other beekeepers and NSW DPI representatives at meetings, workshops and conferences
- WFI - Insurance for Rural Business, Business & Strata - 1300 934 934. WFI provides commission to NSW Apiarists' Association (NSWAA) to help member benefits. Please let your local Area Manager know that you are a member to receive this benefit for the Association. - Ms Jane Jones Mob: 0417 943 451 E: jane.jones@wfi.com.au
- SCHUTZ (Australia) Pty Ltd - IBCs special members' rate

NSW APIARISTS' ASSOCIATION INC. EXECUTIVE COUNCIL



Stephen Targett, Casey Cooper, Roslynn (Ros) Riggs, Brian Woolfe, Steve Cunial & Neil Bingley

PRESIDENT: Neil Bingley 101 Woodfield Rd SUTTON NSW 2620 Mob: 0428 487 105 Email: beez101@bigpond.net.au

VICE PRESIDENT: Stephen Targett PO Box 325 NARRANDERA NSW 2700 Mob: 0428 649 321
Email: wally.56@hotmail.com

Casey Cooper Darby's Road TINGHA NSW 2369 Mob: 0428 233 551 Email: cooperbees@bigpond.com.au

Steve Cunial PO Box 771 GRIFFITH NSW 2680 Mob: 0448 627 291 Email: steve@cunialbeekeeping.com.au

Brian Woolfe 18 Dumaresq St GLEN INNES NSW 2370 Mob: 0429 032 019 Email: woolfe@exemail.com.au

SECRETARY/TREASURER: Roslynn (Ros) Riggs PO Box 267 MANILLA NSW 2346
Mob: 0400 441 346 Email: info@nswaa.com.au Website: www.nswaa.com.au

BRANCHES

Central Tablelands
Hunter Valley
North Coast
Northern Tablelands
Riverina
Southern Tablelands
Sydney
Tamworth
Western Plains

PRESIDENTS

Mal Porter 02 6337 5383
Col Wilson 02 4930 4950
Barry Watts 02 6689 5359
Richard Willis 0428 323 812
David Mumford 02 6959 2519
Laurie Kershaw 0428 628 731
Paul Drew 02 9887 1175
Ray Hull 02 6760 3634
Bryn Jones 02 6887 2638

SECRETARIES

Debbie Porter 0429 375 383
Contact President
Col Maloney 02 6663 7051
Glenn McConnell 02 6732 3222
John Smith 02 6926 2227
Judy Saxvik 0427 684 114
Jane Flitter 0413 769 411
Norm Maher 0447 603 245
Lisa Mumford 02 6887 2638

AUSTRALIAN HONEY BEE INDUSTRY COUNCIL (AHBIC)

Chairman: Peter McDonald Ph: 0427 722 167
Email: prmcDonald@hotmail.com

Executive Director: Sarah Paradice Ph: 0402 467 780
Email: ahbic@honeybee.org.au Website: www.honeybee.org.au

Mailing address: PO Box 42 Jamison Centre Macquarie ACT 2614

HONEY BEE RESEARCH & DEVELOPMENT COMMITTEE (HBRDC)

Ms Margie Heath, Project Manager, RIRDC PO Box 4776, Kingston ACT 2604 Ph: 02 6271 4145
Email: Margaret.Heath@rirdc.gov.au Website: www.rirdc.gov.au

AUSTRALIAN QUEEN BEE BREEDERS ASSOCIATION (AQBBA)

Secretary: Mrs Paula Dewar, 157 Lake Moogerah Road Kalbar QLD 4309 Ph: 07 5463 5633 Email: aqbba@bigpond.com

CROP POLLINATION ASSOCIATION (CPA)

Secretary: Mrs Debbie Porter, 135 Eusdale Road Yetholme NSW 2795 Ph: 02 6337 5383 Email: debbie.porter3@hotmail.com

HONEY PACKERS & MARKETERS ASSOCIATION (HPMAA)

Secretary: Mr Ross Christiansen Email: ross@superbee.com.au



PRESIDENT'S REPORT



PRESIDENTS REPORT MARCH 2019

SEASON

The big dry continues with very few regions receiving any worthwhile rains. These exceptionally dry times have curtailed any hope of Red Stringybark producing enough nectar to maintain colonies through to spring. Red Bloodwood on the south coast is most southern beekeepers last chance to avoid supplementary feeding but as I write this article heavy rains are falling along the coast, which if prolonged could be detrimental to colony vitality. White Box in the north of the state may provide some nectar but once again will be dependent on moisture availability.

Since my last report several bushfires have devastated large tracts of resource in northern NSW, one of which came extremely close to past President Casey Cooper's property. From reports I received, the Tingha fires alone claimed 350 to 400 hives.

The season ahead looks grim, without any soaking rains this winter any prospects will more than likely amount to nothing but failed crops and stressed trees. Almonds may provide some financial respite but our ability to maintain suitable colonies will be tested.

RESOURCE

As mentioned in a previous report I was disappointed with the delayed implementation of the amended Integrated Forestry Operation Approvals (IFOA's) I sent a letter stating our concerns to Minister Blair and Minister Toole in early February.

We received a response from the Deputy Director General DPI on February 27. For members information both letters are published in this edition. Another area causing some concern is beekeepers utilising properties in a new area due to having to move further afield than their normal operating zone and not leaving contact details with the owners or managers. There are many reasons why you may need to be contacted so please consider others and leave your details when you obtain permission to enter a property.

BEEKEEPER NUMBERS RISE

I am informed that the number of registered

beekeepers in NSW is now greater than 8,500. It wasn't long ago that the number of registered beekeepers was less than half this figure. The recent TV show making beekeeping a sport with teams competing against each other is also a new one. What this means to the rank and file of the professional beekeeping sector is uncertain. Perhaps a point of discussion at our Bathurst conference.

DISEASE INSPECTIONS

On the Southern Tablelands most bee work should be finished by the end of April, this will vary where you are in the state. What is important is to carry out a thorough brood disease inspection prior to your bees going into winter. If you need advice in this arena I would strongly advise that you have a chat with one or two biosecurity officers working in the NSW DPI. Sick bees going into winter is likely going to result in dead bees coming out of winter. Dead hives being robbed out only creates grief for your beekeeping operation and those hives within flying distance of your apiaries, especially when moved to almonds where there is a high colony density.

STATE ELECTION

The state election is over with the Liberal/National Government returned. Once Ministerial portfolios are decided we will endeavour to seek meetings with the relevant ministers to progress various issues affecting our industry. The most pressing issue is for increased access to public lands.

CONFERENCE

Our conference agenda is mostly finalised as per copy in this edition. The recent questioning of honey integrity will be discussed. We will be featuring a number of speakers at this year's conference on this very important topic. The three speakers will be an update on BQual, a talk from Byron Taylor from New Zealand on their food safety program and a review of the chemistry used to test Australian honey delivered by Jamie Ayton a scientist working in the chemistry arena from NSW DPI. This subject has received some very unfortunate media which was later discredited by the authorities in Canberra but the damage has been done. Public perception of super market honey is poor which affects all commercial beekeepers, hopefully the presentations provided at our Bathurst conference help us

collectively map a way forward.

The Trade show booths have all been allocated thanks to the tireless efforts of Therese Kershaw. Therese has also been instrumental in securing numerous conference partners which help reduce costs to members and aids the financial position of your association. Please support these businesses where possible. A list of our partners is published in this edition. Hope to see you all at Bathurst May 16 and 17. The Central Tablelands branch will be holding a field day on Saturday May 18.

GOVERNANCE

As I write this report your Association still requires at least one more nomination for executive councillor. (nomination form in this issue)

If no further nominations are received prior to conference then nominations will be taken from the floor on May 16.

NEXT MEETING

The executive will hold a short meeting on May 15 prior to our conference and another for the incoming executive on Saturday morning May 18.

Neil Bingley
President

**The industry benchmark in beekeeping equipment
& stainless steel manufacturing. Creating the largest
Automated Honey Extractors in the world!**



Horizontal Extractors

- 36 to 60 frame 3 bank • 48 to 144 frame 4 bank
- 198 frame 6 bank • Twin Systems
- Automated self loading machines
- Wax Melters – 200 ltr to 750 ltr
- Reducers - 1200 to 1800
- Capping spinner • S/S vane pumps
- Centrifuge • Heat exchange
- Storage tanks • Mixing/heating tanks

*Prestige
Stainless*

1994 Finlay Road (P.O. Box 187) Tongala Victoria 3621

P: +61 3 5859 1492 • F: +61 3 5859 1495

E: info@prestigestainless.com

www.prestigestainless.com.au

Steam

**For decapping, extractors,
wax reducer & wash down**



Fully Automatic Electric Steam Boilers

**Model shown ranges
from 3kW to 42kW**

■ **Steam output from
5.7 to 66.8kg/hr.**

■ **Models range from
1/3 h.p. (3kW) to
48 h.p. (480kW).**

Advantages

- Fast steam raising
- Compactly packaged & self contained, no plant room required
- 99% Thermal efficiency
- Low capital & low installation costs
- No boiler attendant required
(state regulations may limit maximum capacity)
- Simple installation requires only connection of water & electricity
- No flue – no fire
– no risk of explosion
– no fumes or smell
- No oil storage tank
– no oil deliveries
- Clean equipment & work area
- Can be installed adjacent to steam appliance in workspace
- Quiet & reliable operation – low maintenance cost
- Simple to operate & maintain – no sophisticated burner/ignition/draft controls – no fire brick maintenance
- Corrosion resistant, no tubes, gussets or stays – no heat transfer surfaces
- Low heating element replacement cost
- All spare parts available ex stock
- Comprehensive operating & maintenance instructions, wiring & piping diagrams accompany each boiler

 **SIMONS**
BOILERS

**1/33 Maddox Street
Alexandria NSW 2015
Ph: (02) 8338 8660
Fax: (02) 8338 8661**

Australian family owned
company Est.1932

34 Strong Avenue,
Thomastown, Victoria 3074
Ph: (03) 9462 6700
Agents in all other states

www.simonsboiler.com.au



AUSTRALIA'S NO.1 BEEKEEPING LOADER

BEE SMARTER. WORK SMARTER.

Add efficiency, comfort and versatility with a multi-purpose loader from Avant Equipment Pty Ltd

Manufactured in Finland to the highest specifications, these machines are reliable and well designed for access, safety and ease of maintenance. Free call 1800 686 411 to organise your obligation free demo!



- ✓ Ability to load the truck from one side using telescopic boom
- ✓ Huge lifting capacity up to 1500kg
- ✓ Park sideways across truck
- ✓ Optional air-conditioned cabin
- ✓ Self Levelling Boom
- ✓ Prompt delivery Australia wide

- ✓ All terrain 4wd with outstanding stability
- ✓ Backed by a Family business for over 25 years
- ✓ Save time and man power
- ✓ Easy to access and operate
- ✓ Over 200 attachments
- ✓ Easy finance options available



**1800 686 411 | sales@avantequipment.com |
www.avantequipment.com**



PENDERS

BEEKEEPING SUPPLIES

ABN 27 009 052 155

**72 Munibung Rd
Cardiff 2285 NSW
Australia**

**Suppliers of Beekeeping and
Honey Processing Equipment**

Boxes, Frames and all Woodware
Excluders - Welded Wire and Plastic

Stainless Steel Extractors
Honey Tanks and Pumps

Weathertex - Covers and Bottom Boards, Special sizes available

Veils, Gloves, Overalls, Bee Suits and Jackets, Hive Tools, Brushes
Hats, Smokers, Knives, Pails, Jars etc. all your beekeeping needs

We have a very extensive selection of books on all aspects of beekeeping

We buy and exchange wax for foundation. Good prices paid

MAIL ORDER IS OUR SPECIALITY - PHONE FOR A PRICE LIST

Ph: (02) 4956 6166 Fax: (02) 4956 6399

EZYLoader

Ezyloader 125 - 125kgs Suits light trucks

Ezyloader 200 - 200kgs Suits medium to large trucks

Ezyloader 300 - 300kgs Truck mounted
Suits medium to large trucks

- Manufactured in Australia
- Unique levelling feature for ease of load handling
- Boom brake system – ease of under-supering and requeening
- Split boom for load positioning
- 6 Different models – remote control option
- Lifting capacity up to 500kg
- Small footprint—no wasted valuable load space
- Fully self contained and low maintenance
- One man operation with controls at the load
- Special range of attachments

All enquiries please contact Mark
SALES | SERVICE | REFURBISHMENT

M & K STAFFORD ENGINEERING PTY LTD

2/48 Piper Drive Ballina NSW 2478

B 02 6686 9736 | F 02 6686 9736 | M 0412 426 132

www.ezyloader.com | mail@ezyloader.com



Visit our new website
www.hummerbee.com
to learn about all of our
other available models:

Rough Terrain Forklifts

XRT XL XT_{2WD}

The classic Hummerbee
just got even better...

TURBO II

The Hummerbee Turbo is now more powerful, smoother, and faster than ever. Now featuring 56 hp being produced by a Tier 4 emissions compliant, Kohler turbo diesel engine. Diesel exhaust fluid is NOT required.

More power, a new maintenance - free articulation joint, easy to use joystick mast controls, digital gauge display, a quieter, redesigned transfer case, and the highest lift capacity in its class while being even more compact than before, make the Turbo II the most exciting Hummerbee yet.

A & O FORKLIFT

www.hummerbee.com



Call A&O Forklift to order today
800-943-8677

ANNUAL CONFERENCE - 2019 PROGRAM

Panthers, Bathurst NSW

THURSDAY 16 MAY 2019 – Panthers, Bathurst	
8.00am	REGISTRATION
9.00am	NSW Apiarists' Association AGM Neil Bingley , <i>President</i> NSW Apiarists' Association
9.20am	AHBIC Report - Activities for the year - Peter McDonald , AHBIC Chair
9.40	AGRIFUTURES Report - James Kershaw , <i>Honey Bee & Pollination Advisory Panel</i>
10.00am	BQUAL Report - Wayne Fuller , <i>Chairman</i>
10.15am	Daryl Cooper & Stephen Green , <i>Regulatory Specialists Apiary</i> , NSW Department of Primary Industries
10.30am	Official Opening - TBC
10.45am	MORNING TEA – sponsored by Dalrymple View P/L
11.15am	Peter Day , <i>Director of Compliance Biosecurity & Food Safety</i> , NSW Department of Primary Industries, Orange TBC
11.45am	CSIRO Specialist – Simon Haberle
12.15pm	Nominations for Executive Council
12.30pm	LUNCH
2.00pm	Queen Bee Breeding Project - Elizabeth Frost , <i>A/Technical Specialist Honey Bees</i> , NSW Department of Primary Industries, Tocal
2.30pm	Breeding Value of Honey Bees - Rob Banks , <i>UNE</i>
3.00pm	Residents in the Honey Bee Gut - Michelle Taylor , <i>Scientist - Pollination & Apiculture</i> , Plant & Food Research, New Zealand
3.30pm	New Zealand Food Safety Environment - Byron Taylor , <i>Apiculture Technical Manager</i> , AsureQuality Ltd, New Zealand
4.00pm	Honey Fraud: Testing A to Z - Jamie Ayton , <i>Chemist</i> - NSW Department of Primary Industries, Wagga Wagga
4.30pm	General Business
5.30pm	WINE & CHEESE NIGHT IN THE TRADE SHOW - sponsored by Ecrotek

Thank you to our

PLATINUM PARTNER



ANNUAL CONFERENCE - 2019 PROGRAM

Panthers, Bathurst NSW

FRIDAY 17 MAY 2019 - Panthers, Bathurst	
8.30am	REGISTRATION
9.00am	NSW Department of Primary Industries Reports Elizabeth Frost, Nick Geoghegan, Dannielle Lloyd Prichard
9.30am	Biosecurity & Mandating AHBIC Code of Practice for all Beekeepers in NSW - Rod Bourke & Mark Page , NSW Bee Biosecurity Officers, NSW Department of Primary Industries, Tocal
10.00am	AFB Minimisation strategy in NSW – Michael Hornitzky
	Close of nominations for Executive Council
10.30am	MORNING TEA – sponsored by Hornsby Beekeeping Supplies
11.00 am	Honey & Benefit to Human Health - Nural Cokcetin , UTS
11.30am	Propolis Production - Michael Clarke
12.00pm	The effect of sucrose, invert sugar & Manuka Honey on specific bacteria within adult honey bees, Michelle Taylor , New Zealand
12.30pm	LUNCH
	Close of voting for Executive Council
2.00pm TBC	Emerging Honey Bee Researchers Changes in Honeybee visitation down tunnels in blueberry crops in north QLD - Jeremy Jones , myUne Honey bee viruses, especially deformed wing virus Amanda Norton , University of Sydney
2.15pm	Chalk Brood - Jodie Gertz
2.45pm	Insights & Lessons from PNG - Cooper Schouten , Southern Cross University
3.15	Flow Hive – Stuart Anderson
3.45pm	Honeyland – Debbie Porter , Honeyland Co-ordinator - TBC
4.00pm	General Business
4.30pm	Close
7.00pm	ANNUAL CONFERENCE DINNER – sponsored by Select Harvests





NSWAA CONFERENCE PARTNERS



Platinum Partner

Lockwood Beekeeping Supplies /Goldfields Honey Australia

Gold Partners

Lyson Beekeeping Supplies

Select Harvests Ltd

Annual Dinner Partner

Boutelje Products Ltd

Silver Partners

iWooHoo Beekeeping

My Apiary Limited

Nuplas Apiarists Supplies

Wine and Cheese Night Partner

Ecrotek

Business Workshop Partner

Crystech NZ

Emerging Honeybee Researchers Partner

Capilano Honey

International Guest Speaker Partner

Browns Bees Australia Pty Ltd

Work Diary Partner

WFI

Industry Partner

Agrifutures

Morning Tea Partners

Dalrymple View Apiary Supplies

Hornsby Beekeeping Supplies

Satchel Partners

Hivemind Precision Apiculture

Beeinventive (FlowHive)

Advertising Partners

Beeinventive (Flow Hive)

Perfect Honey Company

Schutz Australia Pty Ltd

NSWAA Trade Show Exhibitors



Allpro Industries Ltd / Euroquip

Avant Equipment Australia



Boutelje Products Ltd

Browns Bees Australia Pty Ltd

Can Assist

Crystech NZ

Dalrymple View Apiary Supplies

Ecrotek

Ensystex Aust

Hivemind Precision Apiculture

Hornsby Beekeeping Supplies

iWooHoo Beekeeping

Kelvin Trading Pty Ltd

Lockwood Beekeeping Supplies / Goldfields Honey Australia

Lyson Beekeeping Supplies

M & K Stafford Engineering Pty Ltd / Ezyloader

My Apiary Limited

NSW Department of Primary Industries

Nuplas Apiarists Supplies

Prestige Stainless Pty Ltd

Select Harvests Ltd

Steritech

Whirrakee Woodware

WFI

2019 State Conference Guest Speakers

Jamie Ayton

Jamie Ayton has worked at NSW Department of Primary Industries (NSW DPI) in Wagga Wagga since 1995. Jamie has a Masters(MSc) degree from the University of Western Sydney. Most of his work has involved investigating the chemistry of olive oil and canola, and the effect of environmental, genetics and post-harvest storage on these products. He is the leader of the laboratory team which has held accreditation from the International Olive Council (IOC) for the past 19 years for the analysis of adulteration in olive oil. He is also an approved chemist with the American Oil Chemists' Society (AOCS), participates in the Standards Australia committee for oils and oilseeds products and is a member of the Australian Oilseeds Federation (AOF) Technical Committee.

Michael Clarke

Michael Clarke is a degree qualified agricultural economist with more than 30 years professional experience. Michael has post-graduate training in accounting, marketing, policy analysis and business administration. Michael's project work includes economic evaluation, policy analysis, strategic planning and research in agriculture and natural resource management. Michael's projects for the Australian honey bee industry include an analysis of policy options to facilitate live honey bee exports; an economic impact assessment of a regional pollination deficit, Varroa RD&E planning workshops, a review of AHBIC Varroa management policy and a review of NSW Government American foulbrood policy. Michael has worked for Plant Health Australia preparing the business case and regulatory impact statement for an increase in honey biosecurity levies and ACIAR reviewing the beekeeping industries in PNG, Solomon Islands and Fiji. Additional information on Michael is available at www.AgEconPlus.com.au.

Dr Nural Cokcetin

Dr Nural Cokcetin is a microbiologist and Research Fellow at the itthree institute, University of Technology Sydney, specialising in the medicinal properties of honey. Since her undergraduate Honours degree at the University of Sydney, Nural's research has focused on the use of honey as a topical antibacterial treatment for wounds and skin infections – particularly those caused by multi-drug resistant superbugs. She currently manages the 'Oz Honey Project', investigating the bioactivity of Australian *Leptospermum* honeys. During her PhD at the University of New South Wales, Nural began investigating honey as a prebiotic food to improve human gut health and she has recently been awarded a grant to lead a new project in this area. She received the 2018 Vice Chancellor's Award for



Research Excellence in recognition of her rigorous and innovative research that has direct positive impacts for society.

Nural cares deeply about the Australian beekeeping industry and holds several scientific advisory roles within the industry. She always aims to combine her scientific passions with her well-recognised communication skills to widely disseminate her research findings and help to raise the value of Australian honey as a therapeutic. Nural is a frequent public speaker on topics around medicinal honey, gut health and antibiotic resistance. She was recently named the best young science communicator in Australia and the international runner-up in the British Council's FameLab competition, is a TEDx alumnus where she was named one of the top five change-makers for her research, and she appears regularly in the media as a science leader in her research field.

Mr Daryl Cooper

Leader Qld Fruit Fly, Regulatory Specialist Apiaries, NSW Department of Primary industries
Daryl Cooper has worked with the NSW Department of Primary industries since 2003 as a Regulatory Officer. Daryl was appointed as an inspector under the Apiaries Act 1985 which transferred to the Biosecurity Act 2015. He is currently registered as a small beekeeper where his hives are used to pollinate his own stone fruit. Daryl is keen to continue promoting biosecurity in the bee industry in NSW by conducting targeted compliance operations in southern NSW.

Liz Frost

As acting Technical Specialist Honey Bees with NSW Dept. of Primary Industries Liz Frost manages research and development projects with outcomes for the NSW Beekeeping Industry focusing on queen bee breeding and pollination. Frost provides technical advice to the beekeeping industry, government, media and the public and delivers accredited training in queen bee breeding and insemination and pollination courses with Registered Training Organisation Tocal Agricultural College.

Nick Geoghegan

Nick Geoghegan is Program Coordinator, Apiculture Resource at the DPI. His role include the rollout of the apiary sites on Public Land program; simplifying bee-keeping on public sites with a consistent approach across government departments and fairer and more accessible allocation of available sites. Prior to joining the DPI Nick has held a number of senior roles in the telecommunications and technology sector, with a strong focus on product development, marketing, stakeholder engagement and customer experience. His qualifications include a Masters of Information Technology (Sydney University) and a BSc (Management) from Dublin University.

Stephen Green

15 years farm management primarily in the pig industry.

8 years VIC DPI Livestock Inspector - started working with Honey bee industry 2009
5 years NSW DPI Biosecurity Compliance Officer.

Prof Simon Haberle

Prof Simon Haberle is an expert in pollen studies (palynology) from the Australian National University in Canberra and has a deep interest in the many applications of pollen to understanding our natural world. He has applied this knowledge not only to the study of honey, but also to a allergy research, forensic science and most extensively to the study of fossil pollen as a way of reconstructing ancient environments.

Danielle Lloyd-Prichard

Danielle Lloyd-Prichard is the Education Officer Honey Bees for the NSW DPI Education Delivery Unit based at Tocal College. Danielle is responsible for the coordination of the Certificate III in Beekeeping including the development and review of training resources, scheduling and delivery of beekeeper training and assessment of students. She works closely with Kevin Tracy the new Beekeeper Traineeship Development Officer and is supported by a team of NSW DPI technical staff and beekeeping industry contractors.



Amanda Norton

Amanda is a PhD student at the University of Sydney (Behaviour and Genetics of Social Insects Laboratory), supervised by Professor Madeleine Beekman and Dr Emily Remnant. The overall aim of her PhD research is to investigate the relationship between honey bees, Deformed wing virus (DWV) and Varroa destructor. Amanda is interested in host-pathogen interactions, such as how vector transmission affects DWV virulence and mechanisms of resistance in honey bees. Amanda was awarded a prestigious Endeavour Research Fellowship, which allowed her to spend four months researching the interaction between Varroa and honey bee viruses in the Netherlands in 2018.



Amanda's background is in chemical ecology. She completed a Bachelor of Science (Hons) at the University of the Sunshine Coast (USC), Queensland. As an undergraduate, Amanda worked with Dr Peter Brooks in developing a new method to analyse Leptospermum nectar, to determine which plants will produce honeys with non-peroxide (MGO) antibacterial activity. For her Honours research, she investigated the chemical properties and repellent effects of Corymbia torelliana (Cadaghi) resin, collected by Australian stingless bees, on small hive beetles and Varroa mites, under the supervision of Professor Helen Wallace (USC), Dr Peter Brooks (USC) and Dr Sara Leonhardt (University of Würzburg, Germany).

Cooper Schouten

Cooper's research passion is in international agricultural development with a strong focus on using beekeeping as a means for improving community welfare in Southeast Asia and the Pacific Islands. Cooper is an early career researcher currently completing his PhD in the School of Environment Science and Engineering at Southern Cross University with a thesis entitled '*Beekeeping for Development – a Case Study of Papua New Guinea*'. Cooper started his PhD after completing a B. Science with Honours (Class 1) and a B. Environmental Science. He is currently involved in numerous beekeeping research programs with The Australian Centre for International Agricultural Research (ACIAR) in collaboration with the NSW Department of Primary Industries (DPI) and The Commonwealth Scientific and Industrial Research Organisation (CSIRO). These research for development impact programs span partnerships with beekeeping industries throughout Indonesia, Timor-Leste, Papua New Guinea, Solomon Islands and Fiji. These projects have led to significant positive outcomes for improving the productivity, profitability and sustainability of smallholder beekeeping enterprises and respective apiculture sectors.



Byron Taylor

I joinedASUREQuality in 2001 as an Apiculture Officer with a strong focus on AFB pest management and the varroa mite which had recently established itself in New Zealand. Over the years, the role has changed retaining some of its disease surveillance and control components, but taking a far greater role in the food safety / food processing / export assurance side of the industry. In 2014 I took on the role of the Technical Manager for the ASUREQuality Apiary Team which involves the oversight of a number of disease control, food safety, and quality management programs that support the NZ Beekeeping industry.

Michelle Taylor

Michelle Taylor is a scientist in the Pollination and Apiculture team at Plant and Food Research, New Zealand. Over the past 20 years she has conducted honey bee research relating to pesticides, pollination, and pests and disease. With the detection of varroa in New Zealand, Michelle played a primary role in researching synthetic, organic, and bee-breeding varroa control programmes. This research formed the basis for the education programme that helped mitigate colony loss and limit disruption to both the beekeeping industry and the numerous bee-reliant horticultural and agricultural industries in NZ. Michelle's primary interest is colony health to maximise production and to further this she is currently conducting her PhD on bacteria within the honey bee gut with the aim of understanding the impact of these bacteria on bee health.



BUSINESS RISK BEES EYE VIEW FOR APIARISTS IN NSW & AUSTRALIA

Governance for the Queen Bees/Board Members & What about the Drones?

- * Identify the key duties and responsibilities of directors Appreciate the potential personal liability of directors and council members
- * Understand governance structures as they apply in the not-for-profit context
- * Consider the differences / similarities and nuances of the director's role in the not-for-profit / for profit sectors
- * Understand the role of directors in overseeing the strategy formulation and risk management approach of the organisation
- * Working Boards v Oversight Boards
- * Due Diligence

Smoke out your Subcontractor Risk

- * How to De-Risk your Third Parties?

OUCH – I just got stung with a WHS Fine

- * New Regulator Approach around the country
- * Liability of Directors and Business Owners
- * Workplace Health and Safety Laws and Requirements in simple terms
- * Due Diligence – what is it and how do you show it
- * Penalties for WHS Offences
- * Practical initiatives for managing safety

Stung by Injuries in Workplace

- * How to Manage?
- * Workers Compensation how does it work?
- * Who is Covered?
- * What to do with third parties?

Swarming Around Bee-Stingmas & Mental Health

- Dealing with Pressures from Work & Non Work
- * How to ID your friends, family or work mates who need help
- * How to refer to help

Bee-Have – In the IR/HR

- * Basics
- * Visas
- * Employment
- * Casual Conversions
- * Inductions

Business Development Workshop

WITH THANKS TO



This Manage Damage workshop will be of benefit to all levels, as an employer, employee, company director, family trusts and those who take on positions within boards, branches, associations, clubs etc. We urge you to take time out of your busy schedules to attend.

This workshop is on Wednesday 15 May @ Panthers, Bathurst 1pm-3pm.

NOMINATION FORM - EXECUTIVE COUNCIL

NOMINEE (Person you are nominating)

Name:
(please insert nominee name)

Member No:
(insert nominee member no.)

I hereby accept this nomination.

Signed:

NOMINATOR

I
(print your name)

Member No:
(insert your membership number)

hereby nominate the person listed above as the Nominee for a position on the NSW Apiarists' Association Inc. Executive Council.

Signed:

SECONDER

Name:
(please insert nominee name)

Member No:
(insert your membership number)

hereby second the nomination of the person listed above as the Nominee for a position on the NSW Apiarists' Association Inc. Executive Council.

Signed:

DATE

- No member of the Association shall be eligible for election to the Executive Council unless they reside in NSW or the ACT and has been a Financial Member for at least two successive years immediately prior to the date of the holding of the Annual Conference.
- Each member shall be elected for a 2 year term and must retire from office at the annual Conference held at the end of such 2 year term, but if eligible, may seek reappointment.

Return:

By Post to: NSW Apiarists' Association, P O Box 267, South Manilla NSW 2346

Or Email to: info@nswaa.com.au.

This form to be submitted no later than three weeks (3) prior to the AGM.



Clayton Plastics

EST. 1976
SERVICING THE HONEY
INDUSTRY FOR OVER

40 YEARS



Honey Pails

- Tamper Evident
 - ◆ 1.0kg, 1.5kg, 3.0kg(2.2ltr), 4Ltr, 5Ltr Clear
 - ◆ 10Ltr, 15Ltr, 20Ltr White
- ** Also available in Non Tamper Evident Pails



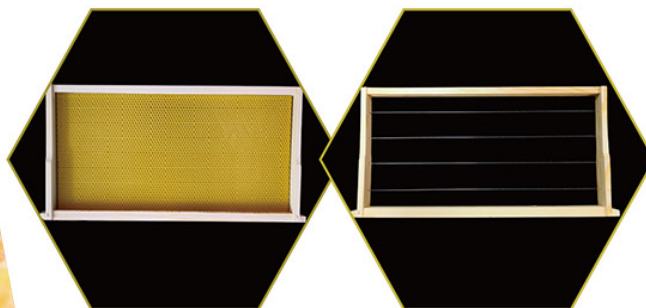
Jars & Squeezes

- 250g, 500g Square Jars
 - 300ml Twist & Squeeze
 - 500g Squeeze (Honey Comb)
 - 250g, 500g Amber Jars
- ** All jars come with pressure seal wadding.



Frames

- Assembled Full Depth with Foundation
- Assembled Full Depth with Wire



CALL OR VISIT US

Clayton Plastics
5 Lydia Court Epping VIC 3076
Business Hours 9am-4pm

PHONE: 03 8401 4248

FAX: 03 8401 4969

sales@claytonplastics.com.au

www.claytonplastics.com.au

UNDERTAKE A FINANCIAL HEALTH CHECK

LET US ASSIST AS YOU TAKE STEPS TO SECURE YOUR FARM'S FINANCIAL FUTURE FOR TODAY AND GENERATIONS TO COME

Have you checked your financial reports lately to see if you've made a profit? Rural Financial Counsellors are able to take some of the mystery out of financial reports. This includes profit/loss and some of the key ratios which are presented in a format that helps you to manage your business.

Ever wondered what your cash flow will look like throughout next year or post a drought and if you'll have sufficient funds to operate? Your Rural Financial Counsellor can assist with developing an up to date cash flow budget which not only empowers you in bank negotiations but also allows for timely operations and maintains productivity. In short, pressure is reduced because you remain in control. They can assist you to determine your businesses viability and ultimately assess your enterprises potential to remain profitable or return to profit over the long term.

OUR SERVICE WILL DEVELOP A (FREE) PLAN FOR YOUR BUSINESS WHICH WILL TAKE INTO ACCOUNT YOUR LIFESTYLE, FINANCIAL VIABILITY AND PROFITABILITY ISSUES.



CONTACT DETAILS

CONTACT

Any Member of our Team on:

1800 940 404

Fax 1800 950 951

www.rfcscr.com.au

Updated 15th January 2019

Location	Counsellor
Bathurst	Toby Jones
Bourke	June Saint
Broken Hill	Mark Fitzpatrick
Coonabarabran & Coonamble	Liz Tomlinson
Dubbo	John Edwards
Dubbo	Alistair Murphy
Forbes	Rob Muffet
Gilgandra	Phoebe Maroulis
Mudgee	Liz Brown
Nyngan	Victoria Boag
Orange	Andrew Turnbull
Parkes	Michael Hallahan
Tottenham & Condobolin	Susan Kelley
Walgett	Julie Casey
Weddin & Bland	John Beer

CEO Jeff Caldbeck 1800 940 404



The Rural Financial Counselling Service provides free, impartial and confidential financial counselling to assist farmers, fishers and agriculture dependent small businesses in their decision making



Potential or existing eligible clients can access our free and confidential financial counselling services by:

Telephone: 1800 940 404
Email: ceo@rfcscr.com.au
Website: www.rfcscr.com.au

Supported by:



ABOUT THE RFCS PROGRAM

RFCS provides high quality assistance to eligible clients through the provision of Financial Counselling Services designed to:

- Assist our clients to understand their financial position and the viability of their enterprise;
- Identify options to improve their financial position;
- Develop a plan to implement the options chosen by them, and implement their plan.
- Assist clients in their dealings with lending institutions in relation to applications and contracts, and processes relating to farm debt mediation;
- Provide information on and assisting clients to access programmes provided by government or industry, including client referrals to appropriate professionals;
- Assist our clients to identify the need for advice from and to prepare for meetings with professional service providers;
- Provide information to assist our clients to make decisions relating to their enterprise/s.

TRANSPORT FOR ANIMAL WELFARE

A subsidy on the transport of stock is available to primary producers where animals are at significant risk in terms of animal welfare. A subsidy for the cost of transporting donated fodder, organised by community groups or other organisations, from within NSW to drought affected properties is also available.

Call your Rural Financial Counsellor for more details on NSW Government Assistance

SUCCESSION PLANNING

Succession Planning can often be a complex, time consuming and difficult process. Rural Financial Counsellors are able to assist with exploring options and determining priorities in a non-judgemental and free of cost environment. Referrals are then made to professional people for clarification and action.

Rural Financial Counselling Service New Regions - New South Wales

RFCS - Local Government Areas & Identified Rural Financial Counsellors servicing the LGAs.



RFCS Regions by Local Government Area

DROUGHT ASSISTANCE FUND

Funding by way of interest free loan of up to \$50,000 are available to eligible primary producers to assist in implementing systems and management practices that enhance the sustainability of their enterprise with: transport of fodder and/or water, water and fodder infrastructure, banking of reproductive genetic livestock material.

FARM INNOVATION FUND

Funding by way of a low interest, long term loan is available to meet the cost of carrying out permanent capital works that address risks involved in farming enterprises, improving permanent farm infrastructure, ensure long term productivity and sustainable land use plus aiding in meeting changes to seasonal conditions.

Call your Rural Financial Counsellor for more details on NSW Government Assistance.

DROUGHT CONCESSIONAL LOANS

Drought Concessional Loans—Provided by the Australian Government for debt restructuring, operating expenses and drought recovery and preparedness activities.

INCOME ASSISTANCE FOR FARMERS

The Farm Household Allowance (FHA) is available now for farmers and their partners who are experiencing financial difficulty. The FHA is a fortnightly income support payment available Australia-wide, without the need for a drought declaration.

Farmers are urged not to self-assess their eligibility but to contact the Department of Human Services via the Farmer Assistance Hotline on 132 316 (8am – 8pm)



NSW APIARISTS' ASSOCIATION INC.

ABN: 89 417 216 326

- 8 FEB 2019

The Hon. Niall Blair MLC
GPO Box 5341
SYDNEY NSW 2001

5 February 2019

Dear Minister Blair (Nial)

The amendments made to the coastal IFOAs are a slight improvement on the previous ones, but in the opinion of the NSW Apiarists Association fall well short of allowing forests to remain a sustainable resource for future generations.

The area of major concern is the transitional period of up to two years which in apiarists' opinion will continue to allow harvesting at unsustainable rates and inappropriate tree selection during this period. The opinion of many apiarists is that after another two years of the current harvesting regime there will be very few forests remaining that have adequate mixed age multi species eucalypts available to be of value to sustain a sustainable healthy productive apiary industry.

As global temperatures continue to increase and drought years occur more regularly the necessity for apiarists to utilise forested public lands resources also increases as does the need to maintain bee colonies for pollination of crops.

Regards

Neil Bingley
President NSW Apiarists Association

Page 1 of 1

President
Neil Bingley
101 Woodfield Road, SUTTON, NSW 2620
P: 0428 487 105 E: beez101@bigpond.net.au

State Secretary/Treasurer
2Rivers Pty Ltd
Roslynn Riggs – Lead Project Officer
P: 0400 441 346

Contact Us
NSW Apiarists' Association Inc
P O Box 267, MANILLA, NSW 2346
E: info@nswaa.com.au



Department of Primary Industries

MF19/566

Mr Neil Bingley
President
NSW Apianists' Association Inc.
101 Woodfield Road
SUTTON NSW 2620

Dear Mr Bingley

Thank you for your letter of 5 February 2019, to the Hon Niall Blair MLC, Minister for Primary Industries, Minister for Regional Water, and Minister for Trade and Industry, regarding the protection of habitat under integrated forestry operations approvals (IFOAs). The Minister has asked me to respond to you on his behalf.

In 2016, the NSW Government released the NSW Forestry Industry Roadmap, which outlines a number of key actions to be undertaken to balance economic, social and environmental outcomes and help build a stronger, more competitive and ecologically sustainable forestry industry. The Roadmap can be viewed at: www.dpi.nsw.gov.au/forestry/industry-roadmap.

The Roadmap reiterated an earlier NSW Government commitment to review the four coastal region IFOAs. These IFOAs have now been modernised into a single Coastal IFOA to reflect industry best practice and meet contemporary environmental standards.

The new Coastal IFOA was developed in the context of overarching commitments that the new prescriptions should not adversely impact on environmental values or timber supply. The NSW Government is determined to get the right balance between the environment and industry, and believes that environmental standards can be strengthened at the same time as providing long-term security of wood supply and certainty to investors and the industry.

The release of the new Coastal IFOA comes after public consultation occurred from May to July 2018 with a wide range of stakeholders across NSW, from the environment and industry sectors and local communities. More than 3,000 submissions were made and the Government carefully considered all feedback received and made several improvements in response. This includes improving some environmental protections, such as for nectar trees and winter flowering eucalypts, and increasing flexibility for industry to operate effectively.

DPI Fisheries – Port Stephens Fisheries Institute
Locked Bag 1, NELSON BAY NSW 2315
Tel: 02 4982 1232 Fax: 02 4982 1107 www.dpi.nsw.gov.au ABN: 72 109 919 072

NSW native State forests have been harvested and regenerated many times over the past 100 years, or more. In NSW, all old growth forest is protected, and only regrowth native forests are available for sustainable harvesting. These regrowth forests are typically mixed species and multi-aged. Before harvesting, foresters carefully select a silvicultural technique that will create ideal conditions for regeneration, provide habitat for wildlife and maintain a diverse forest ecosystem. Silvicultural systems provide frameworks for harvesting and regenerating forests to achieve a desired forest structure and adequate regeneration, among other objectives.

As you are aware, forests are dynamic ecosystems and contain a mix of wildlife and flora. Some species respond well to disturbance and thrive in young regenerating forest while other species prefer areas that have not been disturbed for some time. The science of silviculture considers the best way to manage forests for timber production while maintaining soil and water quality and creating a mosaic of age classes to maximise biodiversity across the landscape.

Thank you again for your letter.

Yours sincerely



Dr Geoff Allan
Deputy Director General DPI
Fisheries, Forestry & Game Licensing
Date: 27 February 2019

The logo for 'wellbees' features the word 'well' in a dark grey sans-serif font and 'bees' in a bright orange sans-serif font. Above the 'bees' part, there is a stylized graphic of two overlapping triangles, one grey and one orange.

Bee frames. Built well.

02 6691 8100
wellbees.org.au

**Order
now!**

Quality bee frames crafted by
skilled Australians with disability.

- ▶ Made from certified Australian hoop pine
- ▶ Standard sizes and custom orders
- ▶ Lightweight, strong and durable
- ▶ No order too small or large



WELL BEES PRODUCE THE BEST HONEY



powered by

 **newhorizons**
wellbeing. done well.

2019 AGM DATES

NSW Apiarists Association – 16-17 May,
Bathurst

Bee Industry Council of WA – 24-25 May. Perth

Queensland Beekeepers Association – 30 May
– 1 June, Bribie Island

Victorian Apiarists Association – 4-6 June,
Mildura

South Australian Apiarists Association – 10-11
June, Adelaide

Tasmanian Beekeepers Association – 28 June,
Launceston

Honey Packers and Marketers Association –
TBA

National Council of Crop Pollination
Associations – TBA

Australian Queen Bee Breeders Association –
TBA

Australian Honey Bee Industry Council – 29
June Launceston



AUSTRALIAN

EXPORTERS

ABN 96 078 192 300

Prices include GST:

1 - 10	\$31.50 each
11 - 49	\$29.00 each
50 - 100.....	\$27.00 each
OVER 100 (in total)	\$26.50 each
200 and over - Discounts apply	

Queen Rearing Manager: Rose Taylor - 0409 667 908

Package bees available October to March...

Terms: Payment prior to delivery/pick-up

FOR ORDERS OR ENQUIRIES CONTACT:

ROSE and NICOLE TAYLOR / ROWENA

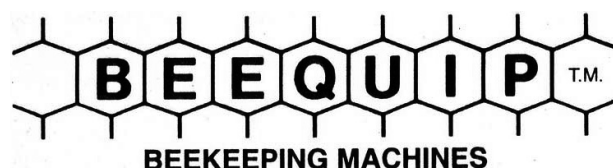
1800 024 432 FREE CALL from anywhere in Australia
(Call from anywhere in Australia for the price of a local call)

IF UNANSWERED: (02) 6368 3788

Or write: 58 Marshalls Lane, Blayney, NSW 2799
Email: aqbe@bigpond.com / Fax: 02 6368 3799

BEE ENGINEERING

MANUFACTURERS OF



WE SPECIALISE IN THE MANUFACTURE
OF

STAINLESS STEEL

UNCAPPERS AND DEBOXERS

6 MODELS OF UNCAPPERS

TO SUIT EVERY APPLICATION

DEBOXERS

TO SUIT ALL BOX AND FRAME SIZES

Phone (08) 9259 0676

Email: bee@bee-engineering.com

PO Box 126 Parkwood
Western Australia 6147

Manufacturers of
Wire Queen Excluders
Tobin Escape Board Corners
Gal Lid Covers
Metal Vents
Tobin Hive Tools
Gal Cut to Size

COTTESBROOK HONEY

David and Tracey Parker
Fitzgeralds Mt Blayney 2799

Ph: 02 6368 5889

Fax: 02 6368 5989

Email: cotbrook7@bigpond.com

*This business was previously
owned by EC Tobin and Son*

SA BEEKEEPING SUPPLIES

2 Gawler River Rd, Lewiston SA 5501

Food Grade Plastic Foundations

Full Depth - W.S.P - Manley

Mahurangi Frames to suit

8Fr & 10Fr W/Wire excluders

Beautifully made

Heavy Duty Hive-locks

Discount on pallet lots

Gary & Cynthia Brown

Ph/Fax: (08) 8380 9695

Mob: 0429 806 609

Email: beekeep2@bigpond.com.au



The Revolutionary
BLUEBEES Brood Box Bottom Boards

for 8 to 10 Frame Hives

www.bluebees.com.au

"Prevention is Better Than Cure"

CHEMICAL FREE - Pests become resistant to pesticides, bees suffer, honey & wax are polluted. Bluebees Boards curtail chemical use, your honey remains natural!

- Suppresses humidity & deprives the Small Hive Beetle (SHB) breeding conditions in the hive
- Facilitates dry & clean hives with strong & healthy bees, best bottom board for pollination
- Empowers bees to hunt & eject interloping pests such as: SHB, Wax Moth & Varroa - (not yet in Australia), as well as debris from the hive



Made in Australia to Professional Beekeeper Standards
Winner 2012 - Bendigo Inventor Award for Agriculture and Environment Sustainability

Contact: J-Pierre Mercader (Proprietor) **Phone:** 0412 541 060
Email: jpm@bluebees.com.au **Website:** www.bluebees.com.au

Protected by The Australian Federal Government IP Design 14221/2010 & 14222/2010. Extended till November 2020.



B-QUAL
Industry Owned Quality Assurance System

HOW DOES B-QUAL CERTIFICATION BENEFIT MY BUSINESS?

- Product integrity
- Quality Assurance
- HACCP based certification
- Regulatory Compliance
- Industry best practice
- Biosecurity
- Access to domestic & export markets

B-Qual Certification also enables an enterprise to market its product under the B-Qual logo to show that it meets the B-Qual Industry Standards

Complete your training at home at your own pace!

For more information and to obtain a Certification Information Pack contact the B-Qual Certification team

www.bqual.com.au

AUS-Qual Pty Ltd

Phone (07) 3361 9200 | Toll Free Number 1800 630 890

email: bqual@ausqual.com.au



BUYING NOW



Beechworth Honey now sourcing Australian Beeswax direct from beekeepers

A Grade Quality Australian Beeswax

Please contact Steven Goldsworthy

Mobile: 0419 559 242 - Office: 02 6033 2322



100% Australian honey... always!

DOUG'S COLUMN

Doug Somerville
Technical Specialist, Apiculture - NSW Department of Primary Industries - Goulburn
doug.somerville@dpi.nsw.gov.au



Beekeeping etiquette

Beekeeping etiquette – what does it mean?

Definition: *Etiquette. (noun), the customary code of polite behaviour in society or among members of a particular profession or group.*

I have been involved in many, many conversations where the ‘so and so beekeeper’ didn’t do the ‘right thing’. So, what is the right thing?

“There’s no point in industry old schoolers complaining about newbies if we are not prepared to give some guidance as to the expected niceties of beekeeping alongside one’s peers” (Neil Bingley-President NSW Apiarists’ Association)

We have Acts of Parliament to oversee our activities and behaviour in some areas of beekeeping, including our impact of keeping bees on the public, our role and responsibility in controlling certain diseases (AFB), our responsibility to mark or brand hives, and be a registered beekeeper.

We also have various codes that are not law, but certainly the breaking or lack of adherence to such codes, agreed to by the industry and the government agency, may not go well if there is also a breach of an Act. Likewise, if there is repeated breaking or ignoring of the ‘code’, then this may induce industry representatives and government officials to make key elements of the code into law, incorporating it into the relevant Act.

Recommendations included in industry agreed codes cover such things as backyard beekeeping (recommending certain sized yards be restricted in hive numbers); transportation of bee colonies and fuelling of trucks before loading bees and not after (not always preventable, but when hundreds of loose bees effectively close down a service station, this is not good for anybody). There is already a code covering these matters.

I’m talking about simple stuff, like:

- How much honey do you leave a farmer for the privilege of placing your beehives on their property? While some beekeepers don’t want this stated, others simply don’t have a clue. Responses include:
 - a 10 litre bucket (most common)
 - as much honey as the property owner wants
 - a dozen or so 500 gm jars of honey
 - a 3 kg bucket of honey
 - cash payment (uncommon and not favoured)
 - nothing (property owner happy to have bees on their land)
- Communication with the property owners is important. Many beekeepers annually provide gifts of honey even though the sites may not be utilised on an annual basis.
- If a property owner states that another beekeeper already uses their property from time to time;
 - usually the beekeeper asking the question goes to another property
 - if the property owner hasn’t heard or seen the previous beekeeper for several years, is it alright to consider utilising the property? There are many opinions here, particularly if the beekeeper in question hasn’t left any honey (payment) on an annual basis.
- Placing apiaries on private property;
 - away from gates, sheds, houses
 - consider livestock watering at troughs
 - anything that will interfere with the property owner or manager
- State of the site during and after its usage
 - ensure no rubbish or material is left lying around during and after
 - avoid entering the property during very wet weather as this may create wheel furrows across the paddock
- Don’t entertain working bees with a smoker during a total fire ban
 - long, dry grass may be a major fire hazard with vehicles; stick to formed tracks
- In fire danger periods, equip vehicle with fire-fighting equipment.
- Notify property owner when it is intended to use the farm and give them a courtesy text/call when property is vacated. Properties may have changed hands, likewise where you place your beehives may not be suitable currently due to activities in that location such as cropping preparation.

- Leave contact details with the property owner. I've had several conversations with property owners that only know the beekeeper as "Fred" and he drives a 'red truck'.
- If there is a load of beehives in the neighbouring property, usually it is desirable to place the next load of beehives at least a kilometre down/up the road and not on the other side of the fence.

Remember, all beekeepers are ambassadors for the industry. Behaviour and etiquette should reflect this position.

Forming long-lasting relationships with the owners of the properties you rely on for apiary sites is vital for your ongoing beekeeping business. Failure to maintain these relationships will seriously erode the strength of your beekeeping business.

Acknowledgements: Rob Michie, Neil Bingley, Casey Cooper, Steve Targett and Brian Woolfe for reviewing and commenting on article. Thanks to Vicki Saville for typing my notes and Annette Somerville for proof reading the final article.

NSWAA EXECUTIVE SUMMARY

Meeting 22 February 2019 at Dubbo

- Letter to be forwarded to the National Parks & Wildlife Service outlining NSWAA concerns with regard to the AWC Pilliga closure and the method of allocation for relocation of hives affected by the enclosure.
- A further submission for the Private Native Forestry Review has been sent.
- Neil Bingley and Stephen Targett to attend a face to face meeting with Rod Bourke at Tocal with regard to Bee Pest and Disease courses for NSWAA branches and local beekeepers.
- Consultation is currently ongoing regarding the Registration Fee Waiver for 1-5 hives.
- NSWAA agrees to support in principle, labour agreements to allow migrant workers to come to Australia to give NSW beekeepers access to skilled labour.
- NSWAA supports members with the South Coast Native Title Claim assisting 14 respondents.
- NSWAA is looking into Governance, Succession Planning and Leadership training workshops for branches and Executive Councillors.
- 2rivers has been retained as the Secretariat until 30 June 2020.
- Work on the new website and data base is continuing.

Valley Bee Keeping Supplies

SUPPLYING ALLIANCE WOODWARE & FRAMES
SPECIALISING IN WIRED & EMBEDDED FRAMES
ASSEMBLED, TREATED & PAINTED BOXES
LIDS & BOTTOMS
A FULL RANGE OF BEEKEEPING EQUIPMENT
FOR THE AMATEUR BEEKEEPER
HONEY EXTRACTION, STORAGE & CONTAINERS
NSW AGENT FOR HIVEMIND NZ
MAIL ORDER WELCOME
OR
SHOP ONLINE
www.valley-industries.com.au



70 Whitbread Street, Taree NSW 2430

nigel.powell@valley-industries.com.au

Phone 6552 8888 Fax 6552 5941 Mobile 0458 522 240



Valley Industries Ltd

"Helping People to Help Themselves"



THE POLLEN SUBSTITUTE THAT WORKS!

The only product that closely emulates natural pollen for better hive development

100% natural plant products, contains no pollen or hive products

Doubles brood rearing

Doubles colony population

Doubles Honey Crop

Use it for hives going into pollination

Use it to build strong Nucs

David & Tracey Parker
(02) 6368 5889

cotbrook7@bigpond.com

Dave 0428829237

www.feedbee.com

The proof is in the results!

LYSON

BEEKEEPING SUPPLIES AUSTRALIA

CONTACT:
 Send us an email: info@lysonau.com.au
 Visit our website: www.lysonau.com.au
 Give us a call: 0467 233 292 or 0407 070 670
 Visit us on facebook: www.facebook.com/lysonau

**WE SUPPLY EVERYTHING FOR BEEKEEPERS
 FROM HOBBY TO COMMERCIAL**



Optima Processing Line
 40 frame extraction line
Special Introductory
Price
\$38,000

We sell the following products:
 Polystyrene Hives
 Nucleus Hives
 Mating Hives
 Travelling Hive Boxes
 Feeders (hive & stand alone)
 Honey Extraction Equipment
 (2 frame up to 80 frame)
 Honey Bottlers (manual to auto)



Suits, Veils & Gloves
 Bee Tools
 Cleaning Agents
 Candle Moulds
 Candle Making Supplies

Capping Extruders
 Wax Melters
 Settler Tanks up to 2000L with
 or without heating & mixer
 Dehydrators & Creamers
 Queen Breeding Equipment
 Queen Rearing Equipment
 Honey Sumps & Filters
 Pollen Dryers
 and much, much more....



Innovative solutions for the commercial beekeeper

better
beekeeping.

We want to change the industry perspective and perception of plastic in the beekeeping industry and contribute to creating better commercial and amateur beekeepers.

Our innovative approach to a traditional market can help lower costs, increase productivity, education and help sustain existing and new bee colonies.

We believe plastic is superior to timber, providing a more affordable and user-friendly range of products and solutions for all apiarists.

**ASK YOURSELF...
IS IT TIME TO CHANGE
YOUR THINKING?**

nuplasapiaristsupplies.com.au

superior!

...we think so!

TOTAL SETUP & MAINTENANCE COSTS OF 500 COMMERCIAL HIVES OVER 30 YEARS

NUPLAS PLASTIC BEEHIVES	TRADITIONAL TIMBER BEEHIVES
\$160k	\$496k

Call us on (03) 5032 9199 or email us at info@nuplasgroup.com.au to find out more on the

BENEFITS OF
plastic  timber

Influencing change through better beekeeping.

Sugar Shake It Like A Polaroid Picture

April is sugar shake month. As you are already undertaking your autumn brood inspection, it is quite easy to shake some extra bees to roll through a sugar shake at this time. By doing this you will be meeting obligations under the Biosecurity Act 2016 and Australian Honey Bee Industry Code of Practice. Only 1 hive per Apiary is required to have a sugar shake conducted.

Since April 2018 over 1400 kits have been distributed through DPI's "Sugar shake month" initiative.

By testing your hives, you are not only being a good beekeeper, you are also contributing to a greater data set that helps prove Australia is free of Varroa.

Citizen science is a growing space and engaging community members to assist with information for data gathering and monitoring (such as the backyard bird count etc) can give a surprisingly accurate picture of what is happening in these research areas. The same can apply for the surveillance of an exotic pest that may decimate an industry.

Let's get some data gathered! For those that are on the net we have an [information entry portal](#) to log that you have undertaken a sugar shake and enter some information and a photo as confirmation. Alternatively email to mark.page@dpi.nsw.gov.au for data logging or results can be messaged or phoned in for logging 0409 299 415.

Why is widespread surveillance important? The health of the beekeeping industry is important in itself, but also has flow effects to pollination-reliant industries and the wider community that benefit from healthy hives, their products and the services they provide.

While surveillance of sentinel hives at airports and ports can provide early detection at high risk sites, it is important to monitor larger areas of our state. Increased global travel networks and people movements, shorter flight times and social media as a free way to meet up with fellow beekeepers across the globe mean that you can easily visit hives in countries that have Varroa, bring

back mites on contaminated equipment and unknowingly introduce it to a colony here. Mites may live 2-3 days off a bee and in ideal conditions perhaps more than 5 days, so the risk of introduction is real.

A few points on Varroa

- Stay on Adult bees 4-11 days and maybe longer if no brood present in the colony, will leave the bee to enter a brood cell to begin laying
- May live 5 days without the presence of a honey bees but would need to be reintroduced to a colony to reproduce (female mite)
- Prefer drone brood to breed on and in and mite numbers will increase more rapidly when drone brood is present in a colony
- Populations increase faster in climatic areas that support year round brood rearing
- Varroa can be spread by drifting bees (drone bees drift from hive to hive and even between apiaries), foraging bees and of course robbing of infested colonies (remembering we don't have Varroa)
- Visual sighting is very low as a detection method (Across the ditch in NZ it was estimated that Varroa had been present for up to 5 years before discovery)
- Earliest detection also assists in the containment or Quarantine

Link to sugar shake <https://www.dpi.nsw.gov.au/animals-and-livestock/bees/pests-diseases/sugar-shake-month>

Call if you suspect Exotic pest hotline 1800 084 881

Mark Page Department Primary Industries Bee Biosecurity Surveillance
P: 0409 299 415 E: mark.page@dpi.nsw.gov.au

Bee part of our global Jelly Bush revolution.



Yes, we're looking for Jelly Bush honey producers like you!

You could supply us with your quality Australian Jelly Bush honey for our ever expanding international customers. We'll supply the IBC/drums and pay the freight and honey levy.

gustarehoney.com

Please contact fellow Beekeeper, Paul Costa on:
0499 775 664 or paul@gustarehoney.com

THE FROST REPORT

Elizabeth Frost

Acting Technical Specialist, Honey Bees

Tocal Agricultural College, NSW Dept. of Primary Industries

T: 02 4939 8821 M: 0437 731 273 E: elizabeth.frost@dpi.nsw.gov.au



Pollination preparation

Research has shown that supplementary feeding of sugar syrup and protein to honey bee colonies is appropriate in several crops and during challenging seasons to increase bee longevity, to overcome pesticide damage, to provide a sufficient number of foraging bees to maintain the colony populations during honey flows and to assist hives to overcome diseases (i.e. – chalkbrood, European foulbrood) associated with nutritional deficiencies. In our current state of drought in NSW, if you have not strategically moved your bees through the season to natural sources of adequate nectar and diverse sources of high quality pollen, you probably should have started a regime of supplementary feeding when you noticed colony condition start to worsen. Either moving hives to better sources of nutrition (i.e. – Red Stringybark, Spotted Gum etc. in autumn months) or providing it to them in the form of sugar syrup and protein supplement should occur as conditions and the flora you are working indicate. Professional beekeeper experience dictates, if your colonies overwinter in cool, temperate climates in NSW they should have ample winter stores and bee population by Anzac Day at the end of April.

Not all protein supplements are equally nutritious or stimulating to the colony. Regarding protein supplements Dr. Doug Somerville notes, “as far as attractiveness and stimulus on brood rearing is concerned, fresh pollen is the most desirable, followed by pollen stored in the freezer, then dried pollen, then recipes containing a portion of pollen. The least attractive pollen supplement to honey bees is one that contains no pollen. These mixtures will not stimulate a colony to rear brood past two brood cycles, when no pollen is available by any other means.” For supplementary sugar syrup and protein feeding case studies from NSW professional beekeepers, protein contents of common pollen flora and guidelines for supplemental feeding, download Somerville’s “Fat Bees Skinny Bees – a manual on honey bee nutrition for beekeepers” from the AgriFutures webpage: www.agrifutures.com.au/wp-content/uploads/publications/05-054.pdf



Honey bees foraging on an open-fed protein supplement mix including pollen.

Supplemental feeding of sugar syrup and protein may be necessary for many more beekeepers this season, especially those destined to travel to almond pollination. Weak colonies not only may not make the grower’s grade to garner a fee from almond pollination, they also won’t get the full benefit of almond pollen while in contract due to their weakened state. Just as a weak colony is at a disadvantage going into a nectar flow and likely won’t produce as much honey as a stronger colony, so in almond pollination a weaker colony, such as the one on the bottom, right of the pallet shown below, may not be able to take full advantage of available almond pollen, which at an average of 26% crude protein (Somerville, 2005) can be a very good pollen source to breed bees on.



Hives opened for strength assessment in an almond orchard using the cluster method of inspection. The bottom, right hive did not make strength and will not be paid for by the grower.

Besides, protecting your livestock’s health with good nutrition management, how about ensuring the health of your business? If you work directly with an almond grower, I strongly urge you to adapt the following “Sample Almond Pollination Contract” to the specific agreement you have with your grower.

Call or email me and I'll email you an editable copy. The contract below is based on Project *Apis m.*'s sample contract. Project *Apis m.* is a United States-based non-profit organisation which funds and directs research to enhance the health and vitality of honey bee colonies while improving crop production. You can read all about Project *Apis m.* and its research projects on their webpage: www.projectapism.org/

SAMPLE ALMOND POLLINATION CONTRACT

_____ ("Beekeeper") and _____ ("Grower") agree as follows:

1. Beekeeper shall place _____ colonies of bees in Grower's almond orchard located at _____ (town/area/GPS coordinates) during the _____ pollination season. Beekeeper shall place said colonies in Grower's orchard before 10% bloom of early varieties, weather permitting, but not sooner than 96 hours after the last application of dormant spray. Grower shall promptly advise Beekeeper of the date of such last application to facilitate placement scheduling. Each colony shall, at the time of delivery, have a minimum of _____ full depth frames or their equivalent and the colonies shall have an average of _____ full depth frames or their equivalent, with a minimum of 70% coverage of clustering bees. Cluster method inspection of 10% of the colonies shall occur within _____ days of placement at a temperature range of 5-16°C and wind speed of less than 16 km/h.

Inspection shall be performed at Grower's expense by a neutral third party knowledgeable in apiculture, using the cluster method of inspection for 10% of the colonies. Grower shall notify Beekeeper 24 hours in advance of the date and time of inspection and the identity of the inspector and permit Beekeeper to attend. In no event shall inspection occur if the ambient temperature is less than 5° C or wind speed is greater than 16km/h.

The results of the inspection shall be delivered to Grower and Beekeeper simultaneously and, if colonies delivered are understrength, Beekeeper shall have 48 hours from the receipt of the results to provide additional colonies to compensate for the understrength colonies. If Beekeeper shall fail to make such correction, the amount due Beekeeper shall be reduced in proportion to the shortage in the average number of full strength frames (with no credit for colonies containing less than _____ frames) in the colonies provided. Beekeeper shall service the colonies in accordance with usual apicultural practices and remove the colonies after completion of pollination and, in any event, within 14 days after notice from Grower.

2. Grower shall pay Beekeeper the sum of \$_____ for each colony in installments as follows:

_____ % on execution of this agreement
_____ % on delivery of the colonies
_____ % on completion of pollination

Any amounts not paid when due shall bear interest at 10% per annum. If suit shall be brought for nonpayment, the prevailing party shall recover its reasonable attorneys' fees as a part of its costs of suit.

3. Beekeeper shall place the colonies in mutually agreeable locations in groups of not less than _____ colonies, which shall be accessible at all hours to Beekeeper and its vehicles and equipment for placement, servicing and removal.
4. Grower shall give Beekeeper a minimum of _____ hours' notice prior to application of pesticide in the orchard. Beekeeper may remove the colonies in such event and in the event of a threat of flooding of the colony locations and replace them when the threat of damage to the colonies has passed. In such event, Grower shall pay Beekeeper an additional charge of \$_____ per colony for removal and replacement. Said charge shall be payable with Grower's final installment.
5. Beekeeper shall comply with all applicable laws and regulations. Grower acknowledges that Beekeeper makes no warranty that the number of colonies set forth above will be sufficient to achieve full pollination of Grower's orchard and that pollination is dependent on weather conditions, colony loss due to pesticide kill, acts of nature and other matters beyond Beekeeper's control, for which Beekeeper shall have no responsibility. In no event, shall Beekeeper be responsible for failure or reduction of Grower's crop. Beekeeper shall be excused from performance if prevented by quarantine or other law or regulation, weather, flooding, colony loss or other matters beyond its control for so long as such cause shall exist.
6. Other provisions:

Dated:

Grower:

Address:

Mobile #:

Email:

Beekeeper:

Address:

Mobile #:

Email:



Central Tablelands Branch of NSWAA Beekeepers Field Day!

Date: Saturday 18th May 2019
commencing 9:00am

Where: Bathurst Showground
Great Western Hwy, Kendall Ave
Bathurst NSW 2795

Cost: Gold coin donation on entry

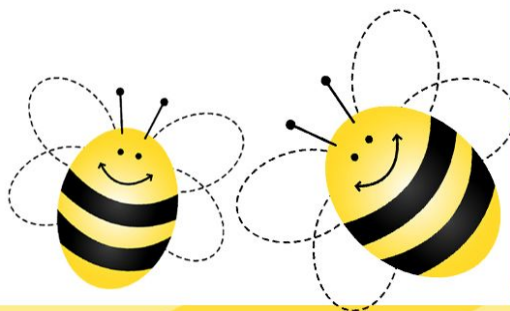
Event Info:

Anyone in the beekeeping community is invited to attend. Market stalls are available for vendors to sell their beekeeping or pollination products and services. There will be a small fee per stall.

Contact: Debbie Porter - Secretary,
Central Tablelands Branch of NSWAA

✉ debbie.porter3@hotmail.com

☎ 0429375383





Boutelje Products Ltd

HONEY PROCESSING EQUIPMENT
SINCE 1999

Small Systems

40-100 boxes per day



Medium Systems

100-200 boxes per day



Large Systems

200-600 boxes per day



Filling Lines & Machines

For speed & accuracy



Peter Boutelje: +64 9 820 2244 • www.bouteljeproducts.co.nz

APIARY SUPPORT DESK UPDATE

Nick Geoghegan | Program Coordinator, Apiary Sites
Intensive Livestock
nick.geoghegan@dpi.nsw.gov.au



Apiary Sites Program: January 2019 Expression of Interest Update.

After the completion of the EOI pilot last year the next Expressions of Interest offering of recently vacated apiary sites opened on the 30th of January 2019. 49 sites were offered across 4 LLS regions: Murray, South East, Central West and Northern Tablelands. 18 Apiarists applied for sites before the deadline of the 27th of February.

At least one application was received for each of the sites with the most popular site receiving 8 applications and some sites only receiving one application; reflecting the variety of sites published. At time of writing the final steps of the allocation process are in progress with the results expected to be notified to applicants by the end of March. Updates will be published on the DPI website and send to members of our email list.

A number of queries came through to the apiary sites helpdesk regarding the Biosecurity Code of Practice Compliance section of the EOI application. The document to be uploaded is a scan of a completed Appendix 1 form from the back of the Australian Honeybee Industry Biosecurity Code of Practice. Some apiarists were unsure about the AFB testing declaration to comply with section 10 of The Code as they have not routinely been doing this testing. It's useful to know that many honey packers conduct this testing on their supplier's behalf. If this is the case, you should contact your packer to get the testing information required in the form.

We've also received a number of queries about applying for long-term vacant sites. We are still working on a pilot to publish a map with long-term vacant sites and met recently with the NSWAA to review the draft process. The map will increase visibility and simplify the application process. This includes an online "First Come First Served"

process to allocate sites to the first applicant for a site (as long as they meet requirements for insurance and beekeeping registration). With feedback on board the work is in process to prepare the site information and the new online service.

In the meantime if you identify a specific site which you believe to have been vacant for a long period, you can continue to contact the landholder agencies to enquire about it. Contact details for Forestry Corporation and Local Land Services regions are on the "[Beekeeping on Public Land](#)" page of the DPI website (an online search should get you there quickly). With ballots held in recent years and last year's EOI Pilot the NSW National Parks and Wildlife Service do not have any long-term vacant sites so all allocations will be via the EOI process in the immediate future.

If you have any queries do not hesitate to contact me via the Apiary Sites Helpdesk: apiary.sites@dpi.nsw.gov.au or 02 6391 3464

Nick Geoghegan, Apiculture Resource Coordinator, NSW DPI.

PROTECT YOUR BEEHIVES WITH WAX!

Paraffin + Microcrystalline wax

Hot dipping with a 50/50 mix of paraffin and microcrystalline is an efficient steriliser and protector against rot.

bulk wax at wholesale prices!!

View the full product range on-line

*WAX *moulds *wicks *tea light cups *wicks and more...

www.candlemaking.com.au
02 9653 3600

Personal shoppers welcome
at our warehouse in Arcadia, in Sydney's rural north.
Always interested in purchasing local beeswax.



BEEPLAS Australia

Plastic Beehive Components
Made in Australia by Max Cane Apiaries

FULL DEPTH FOUNDATION SHEETS

- Made in Australia for Australian conditions
- Top quality food grade high impact polystyrene
- Excellent tensile strength and impact resistance
- Natural cell size
- Mitred bottom corners
- 6mm engagement tongue

Std colour Black, Natural, Yellow and Red
Other colours available with large orders (5000+)

Also available:

Nuplas plastic frames (made in Australia)
Full Depth, W.S.P and Ideal

Contact:

MAX CANE APIARIES
9 McGibbony Crt, Ararat, Victoria, Australia
Phone: 0427 501 551

ABN 561 108 274









AUSSIE HIVES™

The better hive for higher production



The new Aussie Hive by Hasson's Hives Australia is robust yet light with excellent thermal insulation for healthier, stronger, more productive bees. It needs virtually no maintenance and will outlast any other hive on the market.



-  Food-grade polymer reduces hive disease and eliminates paint contamination
-  Polymer is water resistant for drier hives
-  Industry standard 10 frame
-  Strong, lightweight, no-maintenance construction
-  Insulated to control internal hive temperature, support brood development and reduce stress on bees
-  **Increases honey production**

Prove it for yourself! Place your order now to ensure delivery of your Aussie Hives by Spring.
And look forward to increased honey production!

T/F 03 5664 8382 E shayo@sympac.com.au W www.aussiehive.com.au



AUSTRALIAN QUEEN BEE LINE PTY LTD

ABN 88610746257 ACN:610746257

Italian and Carniolan Queens

1 - 10 -----	\$30.00 each plus postage
11 - 49 -----	\$28.00 each
50 - 99 -----	\$26.00 each
Over 100 (in total) ---	\$25.00 each
200 and over -----	\$24.00 each



Prices GST Inclusive.



Postage & Handling applies for orders under 11

Terms: Payment prior to dispatch

Terms & Conditions apply. EFTPOS facility available

For Orders or Enquiries contact Charlie & Brenda Casido / Mely

Address: 21 Leewood Drive, Orange NSW 2800 or PO Box 80, Orange NSW 2800

Office Hours: 9.00am - 5.00pm Mon - Fri Ph: (02) 6369 0565 Fax: (02) 6369 0575

Email: info@australianqueenbeeline.com.au Web: www.australianqueenbeeline.com.au

Before & After Office Hours: Mobile 0434 353 301

HEAT YOUR HONEY PLANT FOR LESS THAN \$30.00 A DAY!!!*



SELF CONTAINED HOT WATER RECYCLING SYSTEM

- Thermostatically Controlled
- Running at 98° +/-2°C
- Wash down hose & gun included in package
- Diesel Fired, Economical to run, 2 Litres per hour
- Simple & Reliable! 20 plus years of field service and counting!
- Under 3 amps power consumption**

Contact your nearest Branch 1800 774 892

We have branches in
Smithfield NSW, Rocklea QLD, Scorsby VIC and Wingfield SA
plus local distributors.

Or go to www.spitwater.com.au

*Based on a 10 hour working day ** In our field tests

A Revised Approach for the Control of American Foulbrood in NSW

Michael Hornitzky

Chris Anderson

NSW Department of Primary Industries

In recent years the profile of the beekeeping industry has been raised worldwide. Colony collapse disorder, the increased impact of insecticides on honey bees (especially the widespread use of neonicotinoids), the dramatic increase in the prices paid for honey with medicinal value especially manuka honeys and new innovations such as the flow hive have contributed to this upsurge in interest. In NSW this increased interest has been reflected, to a significant degree, by the increase in the number of registered beekeepers from 3,000 in 2014 to 8,400 in 2019.

The beekeeping industry is significantly affected by a range of diseases and pests which threaten productivity, pollination efficiency and food security. The most important of these in Australia is American foulbrood (AFB), a fatal disease of honey bee brood. More money is spent on the control of this bee disease than any other yet, despite this investment it is estimated that the incidence of AFB in NSW has increased substantially since 1994, based on AFB honey testing results.

To address this decline in AFB control an AFB Minimisation Strategy was developed by the NSW Bee Industry Biosecurity Consultative Committee which is made up of members of the commercial and recreational apiary sectors, packers, pollinators and government.

The key objectives of this strategy are:

1. Establish an objective measure of AFB incidence
2. Establish AFB reduction goals
3. Review and streamline diagnostic services and data management for AFB
4. Incorporate the National Bee Biosecurity Program into state legislation
5. Develop a whole of industry compliance network
 - a. Actively build a culture of compliance with the Code by rewarding good AFB management
 - b. Effectively mitigate risks where poor management is detected
 - c. Assist non-compliant beekeepers to improve, and
 - d. Create industry based incentives for compliance.

Establish an objective measure of AFB incidence and reduction goals in NSW

A prerequisite of developing a plan to reduce the effects of any disease is to first establish its incidence and prevalence so that goals can be set to measure the success of the control strategy. There has never been a baseline measure for AFB in NSW or, for that matter in any other state. However, estimates based on honey testing indicate that the incidence of AFB in NSW has increased substantially since 1994 indicating that the strategy used over the past 24 years has not been working well.

At the AFB Minimisation Strategy Workshop held at the Orange Agricultural Institute in June 2018 it was decided to establish an objective measure of AFB incidence in NSW. This objective is to be achieved by AFB testing of bulked honey samples provided by honey packers. This testing is to be carried out each year so that yearly comparisons can be made to gauge the progress of the AFB control strategy. Once the baseline level of AFB bulked honey spore levels is established, only then can goals be set for the reduction of these spore levels.

Review and streamline diagnostic services and data management for AFB

Bee disease diagnostics for NSW is carried out at the Elizabeth Macarthur Agricultural Institute (EMAI) at Menangle. In previous years EMAI has been at the forefront of bee disease diagnostics and research. A recent review of the capability for bee disease diagnostics and research has indicated that EMAI is well placed to regain this position and a plan has been developed to increase its current capabilities and expand its role in the bee pathology area.

Two areas in which EMAI has already become involved in the testing of bulked honey samples to establish the baseline level of AFB in NSW and determining whether *Melissococcus plutonius* (the cause of European foulbrood) and *Paenibacillus larvae* (the cause of AFB) have developed resistance to oxytetracycline.

Incorporation of the National Bee Biosecurity Code of Practice into State Legislation.

The peak beekeeping body in Australia (AHBIC) has developed a National Bee Biosecurity Program to improve the management of established pests and diseases, as well as increase the preparedness and

surveillance of exotic pest threats of the honey bee industry. The Program focuses primarily on reducing the impact of AFB across Australia in commercial operations. The Program is underpinned by the Australian Honey Bee Industry Biosecurity Code of Practice (the Code), as well as the employment of a Bee Biosecurity Officer within each state to educate and train beekeepers in biosecurity best practice.

NSW will incorporate the Code as mandatory for all beekeepers from 1 July 2019. The Code will become a Condition of Beekeeper Registration. This means that Part B of the Code will apply for ALL beekeepers and Part C to those with 50 hives or more. Compliance with the Code will not be enforced until after 1 July 2020 allowing for a 12 month phase in of the Code with training and materials being delivered to help the industry adjust to new record keeping requirements. Beekeepers who are subject to any future audit programme will be required to show evidence of record keeping requirements.

This change will coincide with a review of current beekeeping regulations in NSW and the launch of a new beekeeper portal on the DPI website which will act as a one stop shop for all beekeeping issues from registration to reporting.

NSW is also driving a national approach to the movement of hives across state boundaries – particularly for pollination events. The aim of this work is to free up movement for beekeepers who can demonstrate that they are compliant with the Code. This may involve introduction of a new Compliance Arrangement through which beekeepers are audited by the Department or through an approved independent third party. Beekeepers with a current accreditation under this arrangement would then be able to complete the required inspections and self-certify the condition of hives being moved across borders, with appropriate checks and balances in place to provide assurance that the load meets the state entry requirement. For this to work, states must first harmonize entry

requirements where possible in alignment with the Code and agree to adoption of the Compliance Arrangement. There is also the option to recognize industry quality assurance schemes for this purpose where those schemes appropriately audit against the Code. This work is being done through the National Bee Biosecurity Program Steering Committee.

Develop a whole of industry compliance framework

Compliance is not the job of governments. It is the job of industry as a whole to drive compliance with the Code.

The Code was created by beekeepers for beekeepers because compliance with the Code will reduce the impact of AFB which is a problem that is created by beekeepers and impacts on beekeepers. The flow on benefits to industry and the community will be seen in increased productivity for apiarists and pollination reliant industries and greater long term food security.

The NSW Bee Industry Biosecurity Consultative Committee will develop a whole of industry compliance framework to help drive adoption of the Code. This framework will focus on

- a. Creating market-based mechanisms to drive uptake of the Code across all sectors of the industry;
- b. Rewarding good AFB management;
- c. Effectively mitigating risk where poor management is detected whilst assisting non-compliant beekeepers to improve.

The framework will guide government and industry programs and policies to support increased uptake of the Code and create a beekeeping culture where the Code becomes an integral part of and minimum standard for everyday beekeeping.

Honey Wanted

We Look For:

**100% Australian honey
Long term suppliers
Large quantity
Packed in IBCs**

**Call: 0430 112 002
Contact: Rosie
Auburn NSW 2144**

APIARY COTS

Manufacturers and Suppliers of Beekeeping equipment

PO Box 5, Mt Nebo Road, Mt Nebo QLD 4520

Buy Australian Made

Hoop Pine Woodware - Frames - Supers
Queen Cages etc

Or your special requirements

Phone: 07 3289 8181 Fax: 07 3289 8231

Special prices for all your beekeeping needs



Assembled and wired frames:

Minimum order quantity = 1000

\$2.15

Assembled Double Groove Frames:

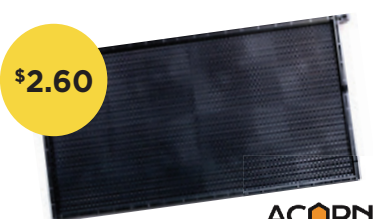
Minimum order quantity = 1000



\$1.65

Plastic Frame Full Depth:

Minimum order quantity = 1000



\$2.60

ACORN
BEEKEEPING EQUIPMENT

Plastic Foundation Made in USA:

Minimum order quantity = 2000



\$1.35

Box Full Depth 8/10-Frames. Finger Joints, screwed, wax dipped and painted:

Minimum order quantity = 150



\$33.00

\$20.00



ALLIANCE
Beekeepers Woodware

Box Standard Grade Finger Joint 8/10-Frames:

Minimum order quantity = 150

Box Standard Grade Rebated 8/10-Frames:

Minimum order quantity = 150

ALLIANCE
Beekeepers Woodware

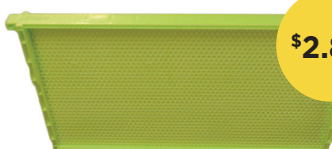


\$17.00

Drone Comb Frames:

Minimum order quantity = 1000

ACORN
BEEKEEPING EQUIPMENT



\$2.85

Coloured Box Waxed Dipped and Painted 8/10-Frames:

Minimum order quantity = 150

\$34.50



We can customise your boxes. Your brand, your colour, your dimensions!!!



Call or visit us today.

Hornsby Branch
63A Hunter Lane Hornsby NSW 2077
Phone: 02 9477 5569 | Fax: 02 9477 7494
Trading hours: Mon – Fri 9am - 5pm
Sat 9am - 4pm

info@hornsby-beekeeping.com | hornsby-beekeeping.com

Mt Druitt Branch
Unit 11, 71 Kurrajong Ave Mt Druitt NSW 2770
Phone: 02 9625 5424 | Fax: 02 9625 7589
Trading hours: Mon – Fri 10am - 6pm
Sat 10am - 5pm



Hornsby
Beekeeping Supplies
For all your beekeeping needs

Don't forget to collect your \$5 hive tool at the conference.

COME SEE US AT THE TRADE SHOW FOR YOUR FRAME CLEANING NEEDS

**POWER
SHOT**

PS1000FC

TURBO FRAME CLEANERS



*The Power Of Hot Water Makes
The Hardest Jobs Easy*

**New
Innovation!**

**Check
Out These
Results!**

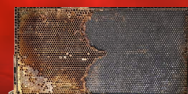
Saving you time and effort!

Keep putting off the messy and thankless task of frame cleaning? Welcome to the new innovative Powershot Turbo Frame Cleaner, giving you a comparative, mess free and quick solution for cleaning frames. Combine this with a Kranzle CA11/130 Steam Cleaner and you will obtain exceptional results for very little effort!

Before...



After...



HOTWASH HIGH-PRESSURE WASHERS
- HOT WATER
HW-1211



Model	Description	Min. Pressure Req.	Min. Volume Req.	Max. Temp.
PS1000FC	Single Side Hive Frame Cleaner	1800psi	11L/pm	60°
PS2000FC	Double Side Hive Frame Cleaner	1800psi	19L/pm	60°

Call now for a free demonstration! 0400 259 646
Andrew.Lee@powerblast.com.au | www.powerblast.com.au

Beewise Double Roller Slit Uncapper

Uncapping honey frames just became quicker, simpler and better



**Stand-alone
\$325.00**
Delivery Australia-
wide \$32.00



**With Tub
\$390.00**
Delivery Australia-
wide \$38.00

Payment:
EFPOS or EFT
to Westpac
BSB 036034
ACC 205199

- Simply press the honey-laden frame between the double slit rollers
- No electricity or heat source required so works perfectly in the field
- Time saver - easy 20 - 40 frames uncapped in 5 minutes, ready to go to the extractor
- Bees rebuild comb quicker
- Reduced wax waste so bees get back to production quicker
- Eliminates bulk quantities of honey going to the cappings trough
- Wax build up in honey strainer greatly reduced
- Made of food-grade high density polyethylene (HDPE); and
- Slit Rollers from solid aluminium bar, anodised to provide greater surface hardness, and increased corrosion resistance
- Comes either already attached to a food-grade HDPE trough; or
- Stand-alone ready to attach to a tub of your choice

Distributed Australia wide by:



BEEWISE

T: 08 9337 8909 E: bees@beewise.com.au

New study finds that *Varroa destructor* feeds on the bees' fat body and not on haemolymph – why this study matters

Madeleine Beekman

*Behaviour and Genetics of Social Insects Lab
School of Life and Environmental Sciences
The University of Sydney
madeleine.beekman@sydney.edu.au*

In early 2017 Ben Oldroyd and myself wrote a piece for the Australasian Beekeeper and Honeybee News that had the title “A new research project at Sydney University aims to protect Australian bees from deformed wing virus”. We argued that it is pretty clear that wherever *Varroa destructor* is present, deformed wing virus, (DWV) is also present, often in very high amounts (as measured by the amount of virus particles). The positive association between *V. destructor* and DWV led most bee researchers to the conclusion that the damage inflicted on bee populations after the arrival of *V. destructor* is most likely due to the change in DWV and not so much due to the damage done by the mite itself. A recent study published in the prestigious US journal *Proceedings of the National Academy of Sciences* requires a rethink of our previously-held conviction.

As part of his PhD at the University of Maryland, Samuel Ramsey studied the behaviour of the mite when present on adult bees, the so-called phoretic phase. His question was simple: does the mite feed on the adult bee, and if so, what does it feed on? Because the mite can only reproduce when inside a brood cell, most researchers assumed that the mite only uses the adult bee to be transported to the next brood cell or colony. Hence, the term ‘phoretic’ which refers to a non-permanent association between two organisms for the sole purpose of travel. Scientists thus mostly ignored this phoretic phase, unless we were specifically interested in the ways the mite selects which next brood cell to reproduce in. Samuel has now clearly shown that instead of using the adult bee as a mode of transport, *Varroa* feeds on adult bees. In fact its shape is perfectly adapted to allow the mite to fit in between the two tergites (sclerotized plates) found on the bee’s backside. This snug fit allows the mite to pierce the inter-segmental membrane to feed off the bee.

So what does the mite eat? For more than five decades researchers believed that the mite

basically behaves like a tick, sucking bee blood (haemolymph) and in doing so transmitting viruses from bee to bee. Because of the above mentioned association between *V. destructor* and certain viruses, research on the impact of *V. destructor* moved mainly towards understanding the impact the mite has on honeybee viruses. And yes, that includes our lab at the University of Sydney. But insect blood is very different from mammalian blood on which ticks feed. In particular, insect blood is nutritionally low quality and this knowledge made Samuel and his collaborators wonder if we have misunderstood the mite all this time. Can *V. destructor* live on this low nutrition diet or does the mite actually feed on other tissues?

By carefully observing the exact location of the mite on adult bees, Samuel concluded that the mite seems to have a preference for parts of the bee that allow access to the fat body. In bee larvae, on which the mite feeds during its reproductive phase, fat and haemolymph are mixed together, so a mite feeding on a developing larva will ingest both haemolymph and fat. But in adult bees the fat body is clearly separated from the haemolymph. Previous work by other researchers has found that *V. destructor* has a preference for nurse bees when selecting an adult bee to attach to. Seems logical, given that nurse bees spend most of their time near brood where the mite reproduces. However, Samuel and his colleagues realised that nurse bees also have substantially larger and more nutritionally dense fat bodies. Putting one and one together, they drew the conclusion that the mite most likely feeds not on haemolymph, but on the bee’s fat. By feeding bees a stain that dissolves in fat, Samuel could show that when mites fed on bees with stained fat bodies they also became stained. Using a stain that only circulates in the bee’s haemolymph did not result in stained mites. By developing an artificial mite diet, the researchers could further manipulate the amount of fat in the mite’s diet and study the effect of fat content on longevity and fecundity. Mites fed a fat-free diet (e.g. haemolymph only) lived the shortest and hardly produced any eggs. In contrast, mites fed a diet comprised of 50-100% fat thrived. Hence, mites prefer to suck on the bee’s fat because a diet high in fat makes them live longer and allows them to lay the most eggs.

Why does all this matter? It matters a lot. For example, future control methods need to take into account that the active ingredient must be present in the bee’s fat body and not just in haemolymph. But the mite’s feeding behaviour also forces us to rethink the ways in which the mite causes damage to the bees. Instead of mainly functioning as a vector of honey bee viruses, it now seems that the mite directly damages the bee by sucking on the bee’s fat. The bee’s fat body plays an important

role in immune response and it seems likely that any damage will have negative effects on the bee's ability to fend off parasites and pathogens, such as viruses. Samuel's work also helps us understand some of our own rather puzzling results. In our studies working on DWV from New Zealand and the Netherlands we found that bee pupae can carry massive amounts of DWV, yet do not seem to suffer any negative consequences. We concluded that DWV is not the dangerous virus that people make it out to be. But there may be more. Perhaps in the absence of *V. destructor* bees can cope with high levels of DWV because they are otherwise healthy. As always in science, answering one question only seems to lead to more.

Further reading:

Ramsey, S. D., et al. (2019). "*Varroa destructor* feeds primarily on honey bee fat body tissue and not hemolymph." Proceedings of the National Academy of Sciences: 201818371.

Remnant, E. J., et al. (2019). "Direct transmission by injection affects competition among RNA viruses in honeybees." Proceedings of the Royal Society B: Biological Sciences **286**(1895): 20182452.



Bee Build

It does what it says—**Builds BEE\$**

A Complete Pollen Replacement based on

Scientific Honeybee Industry Research

(Fat Bees, Skinny Bees—RIRCD Pub No. 05/054)

Visit www.beebuild.com.au

for full story and how to feed.

Available in 5kg, 10kg, 20kg or 25kg

Bee Build Protein Sausage: 500gm and 1kg

Bee Boost: 500g—a probiotic for bees

Enquiries and Sales Contact:

Robert & Melissa Dewar

Ph: (07) 5463 5513

www.beebuild.com.au



FORMERLY AUSURE INSURANCE BROKERS GOULBURN

At CNR Insurance Brokers we understand the issues that Apiarists face in their day to day business.

Our Apiarist Insurance package now includes cover for pesticide contamination of your hives and bees.

We are also able to offer covers including Australia Wide theft and vandalism cover for your hives including the honey and bees along with all other insurances including property, business interruption, public liability, transit and motor vehicles.

For further information, please call our office on 02 4822 1320 or email at info@cnrinsurance.com.au

CNR Insurance Brokers are Authorised Representatives of NAS Insurance Brokers AFSL: 233750

BEE BIOSECURITY OFFICER REPORT

Rod Bourke - NSW Bee Biosecurity Officer
NSW Department of Primary Industries - Biosecurity NSW
Tocal Ag College, Tocal Rd Paterson NSW 2320
Ph: 02 4939 8946 Mob: 0438 677 195 Email: rod.bourke@dpi.nsw.gov.au



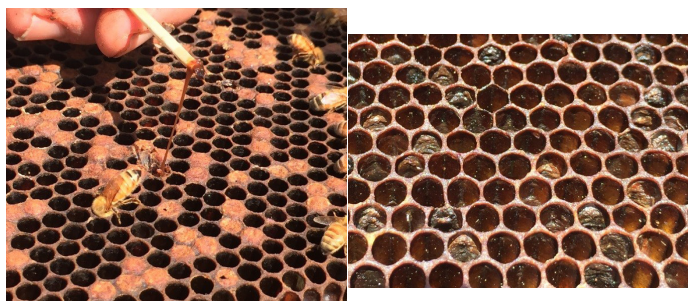
Part 1; Looking for AFB scale in hives.

Part 2; Almond hive preparations.

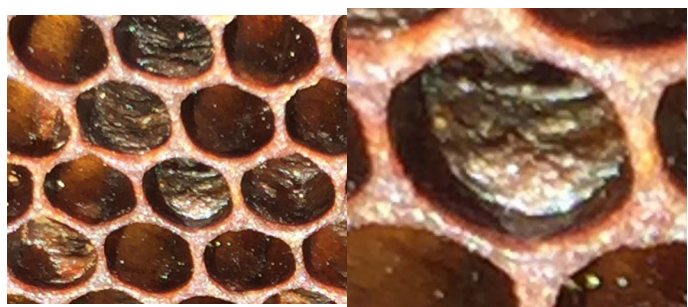
AFB Scale

The term "scale" is used to describe the telltale signs of what is normally an ongoing (and often advanced) AFB infection within a hive. Scale is the dried and sunken mass that was once an AFB infected bee pupae, and it is normally found in the bottom of brood cells where it has slumped down. Scale is the final stage of an AFB infection process, and is much further advanced than when you can rope out an AFB cell with a matchstick. When you find scale you can be sure that the hive has likely had an AFB infection for an extended period of time.

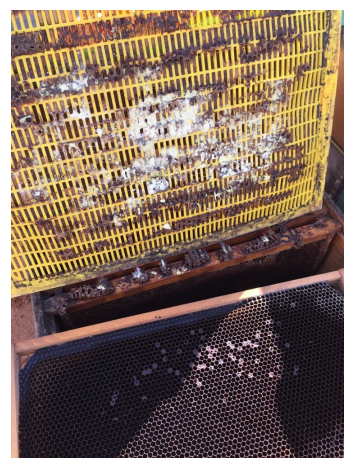
Scale has dried down to become a hardened mass that is full of AFB spores. Scale is robust and can potentially sit dormant within a hive for decades before it again causes an AFB infection. Often it is hidden in cells covered with pollen or capped honey, especially in old brood frames that have not been removed or were moved up into the honey box. Normally when scale is present the hive will also display infected brood, but if not then it will soon, even after use of antibiotics. When you find frames with many tens or hundreds of scale then you can be quite certain that the hive has a very high background AFB spore count and the chances of that hive currently suffering AFB are very high, even if no clinical symptoms are currently visible in capped brood.



First you get wet roping AFB and later it dries down to be scale sitting in the bottom of cells



Ongoing (illegal) use of antibiotics to mask AFB is often associated with hives full of scale, and this is an unfixable problem as this hive will continue to weaken and eventually die out as the infection keeps on flaring up. Robbing of such a hive then exposes nearby bee colonies to potentially hundreds of billions of AFB spores from within that infected hive. The longer that live hives are treated with OTC to mask AFB the higher the internal spore count is within each hive (internal surfaces, combs, honey stores and on/inside bees). Therefore when they get robbed out their potential to give other hives AFB is enormous.



This hive is full of OTC and AFB....eventually AFB wins every time.

One of the main reasons that OTC is not prescribed for treatment of AFB in Australia is that it does not work (spores are not affected by antibiotics), and it especially won't work when beekeepers don't even remove infected hives and equipment from their system but instead try to "fix them up" with antibiotics. This process just increases the background spore count of AFB and breeds up AFB within their operation (and nearby ones).

The shape of scale

Brood cells are normally inclined slightly upwards towards the front opening (an angle of around 9 degrees above horizontal) versus the back of the cell where it is drawn off the foundation (and the eggs are laid). Therefore gravity ensures that the AFB infected brood mass (which has the texture of caramel sauce) will lie reasonably flat and hence most of the scale will be concentrated towards the back of the cell. Very little of the scale is visible at the front of a cell so when you look directly front on at a frame of brood (when checking brood) it can be very hard to see scale sitting in the bottom of cells.

This also means that scale is not always easy to see with the naked eye, especially when you are a beekeeper who may need (but not always wear!) glasses to see details.

When doing your two (or preferably more) routine full brood box inspections each season you should ALWAYS check EVERY frame in the brood box, not just the ones currently with brood in them. It is often those outer frames (that are sometimes dry or only partially filled with honey/pollen in weaker hives) that often show easily visible scale. Scale will also be found mixed amongst healthy looking and diseased brood on frames, so look for it everywhere!

A lot of operators miss scale though, and this is a major concern as scale is basically just a solid nugget of AFB spores. So how best to look for scale:

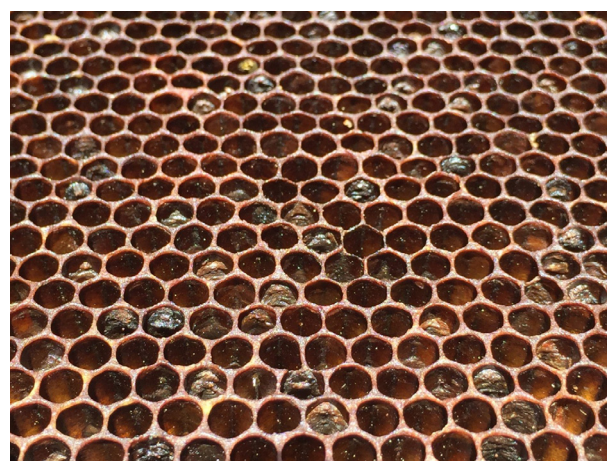
1. Pull out the brood frame and shake off all bees (normally back into the brood box)
2. Do your normal brood inspection, and if no AFB cells are found then do a check for scale.
3. Hold the frame with the top bar closest to you and put thumbs over the top part of the sidebar, push your hands into the sidebar and support the bottom sidebars (the underneath side of frame) with your fingers so that you can hold the frame horizontally.
4. Turn your body so that the sun is coming from behind you over your shoulder.
5. Lift your arms into a position where that sun goes directly onto the frame
6. Slowly pivot the frame up and down (top bar hardly moves but bottom bar does) so that you see into the bottom of the cells (with the direct sun light coming from behind you assisting with this).
7. One of the first signs of scale is a rounded triangular shape that can be seen inside the entrance of cells. They often have a different colour (sometimes lighter, sometimes darker) than the cell and are wider at the bottom (further into the cell from the opening).
8. You may need to move the frame in different directions to catch the right light. Once you see scale you can focus on it and see that most of it is located in the back half of the cell.
9. Sometimes your arms are not long enough to get the frame far enough away to really focus into the cells...get your glasses on if this is the case. Taking focused photos with your phone and then zooming in may also help.
10. Once scale is spotted it is best to stick a match in nearby so that you can easily find it again (if only a few scale are present) and play with it. If it won't come out easily then it's probably AFB scale.



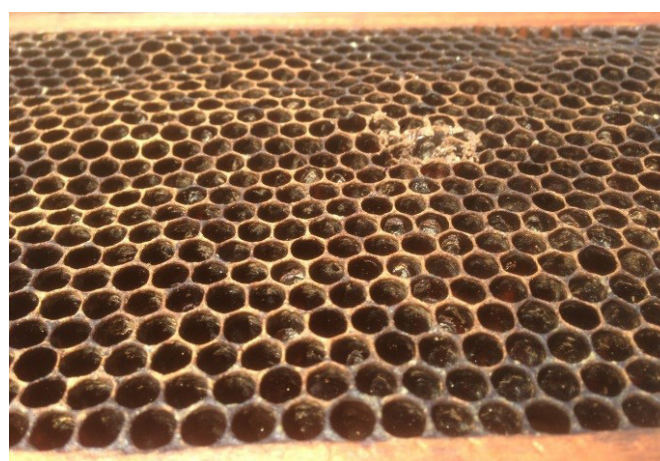
Depending on the time of day/angle of sunlight you will need to change the angle of the frame to see inside cells. Left picture is towards middle of day and right is earlier/later in day when the sun is lower.



When holding the frame with top bar towards you any scale will see look like in the picture below. This is the easiest way to see scale.



This frame is heavily infected with scale. Scale of AFB can sometimes be confused with that of EFB and sac brood, but the major difference is that unlike the latter two the scale of AFB is stuck firmly to the bottom of the cell. The other two can generally be quite easily removed with a twig or matchstick (without damaging the cell), whereas AFB scale is firmly stuck and cannot be removed without damaging the brood cell.



Frame showing prolific scale and damage where it was removed for analysis.

In advanced infections where enough spores were present to infect older bee larvae then the remains of a tongue may also be visible hanging down from the top of the cell.

False alarms!

Good operators determine that if scale is found within a hive then it probably has AFB, even if other clinical symptoms such as ropery brood are not currently visible. Therefore, to avoid a false-positive AFB diagnosis of a hive it is best to ensure that no previously irradiated frames containing AFB scale (which is now dead, but still looks exactly like regular and highly infectious "live" AFB scale) get put back into a hive. Even if you date the top bar and indicate that scale was present on the frame much confusion still arises when scale is found in these same frames later, as you do not know if all that scale got there before irradiation or some of it appeared afterwards.

The other issue is that if operators become used to regularly seeing scale in their hives (even if most of it has been neutralized via irradiation) then it is far more likely that they may become complacent and miss identifying a crucial hive that has a current AFB infection. Ensure that there is never any uncertainty when you do find scale...always consider it diseased

If you get equipment from a previously diseased or suspect hive irradiated you should thoroughly inspect EVERY frame before reusing it (whether that is one box or 8 pallets of boxes). At the end of the day it is best to have no frames containing scale in your operation. Either destroy/melt down any irradiated frames still containing AFB scale or scrape it out first (easier if they are plastic foundation) before putting them back in hives.

Every operator should always be vigilant in their search for scale and they should ALWAYS be concerned when they find it. Finding scale in the cells of extracted honey frames is also concerning. When did that frame come up from a brood box, where did it come from and how many hives has it sat on? If you don't run a closed barrier system that frame could have exposed countless hives to AFB spores.

Managing hives with AFB scale

As soon as you see AFB scale you can be pretty certain the hive is infected, so it's time to think about how you will deal with it.

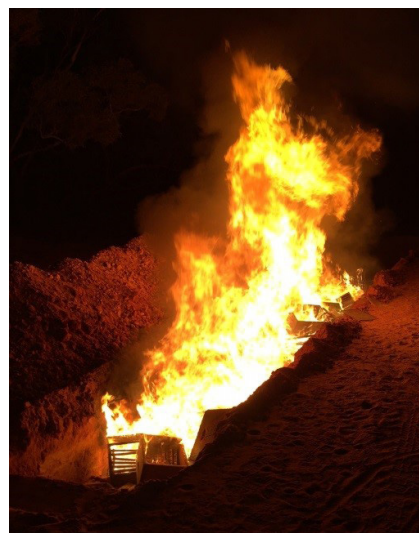
If you find no ropery AFB to put on a slide then remove a small piece of comb containing scale and bag it up. Elizabeth MacArthur Agricultural Institute (EMAI) can analyze it for AFB and give you a definite diagnosis.

You should close the hive up and mark it with potential AFB. If it is weak then reduce the entrance

to stop any robbing behavior until you hear back from EMAI as to its AFB diagnosis. If it will soon be a dead out then consider that it probably has AFB already. Remove any useful equipment for irradiation (bee proof it and identify as AFB) and give the colony some petrol that night.

You should thoroughly wash and scrub your hive tool, hands/gloves, smoker bellows and anything else that came in contact with the contents of the suspect hive before working another hive. The aim is to remove honey and wax from equipment, as these could contain AFB spores. Minimising this spore loading before starting the next hive is a preventative measure. Compliance staff and brokers/assessors of pollinating hives often add disinfectant to the fresh water to accomplish a better clean.

Some operators also flame their hive tool. Be aware that when flamed properly the hive tool will be very hot and can burn skin, gloves, clothing, plastic hive components and grass! Due to increased fire hazard DO NOT flame a hive tool during any elevated fire risk periods as getting the smoker hot enough to disinfect the tool may also release a lot of sparks/embers.



Beekeepers should light this type of fire more often, but not one out in a dry grassy paddock whilst using their smoker.

Part 2-Almond hive preparations.

Beekeepers heading to the almonds in August should now be moving through their hive preparations.

Each hive should have its autumn full brood box inspection and be assessed for colony strength and queen performance. The weaker and diseased hives should be dealt with. Get rid of anything with AFB. Hives with old underperforming queens should have been re-queened or united with another to produce a stronger colony that will go through winter.

The population of bees will generally reduce over winter, so if your hives are already weakened and don't currently have a sufficient bee population to

achieve the 8 frames of bees average now then they will require additional work ASAP, or will not be good enough to send to the almonds in late July or August.



Don't send junk like this to the almonds. If you currently have weak disease free hives like this then now is the time to unite three or four of them to make one adequate hive for winter. Get a new queen for it too! Do all of this ASAP.

Supplying of 1:1 sugar syrup and pollen supplements may be needed if there is not sufficient nectar and pollen coming in at your bee sites. Stimulating bees to breed up now will ensure a better wintering population and better chances of stronger hives in August.

Single brood boxes should consist of a 10Frame box that is now running 3-5 frames of brood and have the rest filled with pollen and honey stores, with enough surplus bees to partially fill the lid. If it has sufficient bees and brood but not enough honey stores then put on a top feeder and give it 5-8 liters of heavy 2:1 sugar syrup (as per the liquid sugar you buy at the bulk sugar depots). This heavy syrup will not stimulate brood laying. Give them more if needed.

If it needs more brood then feed it 0.5-1.0 liter of 1:1 sugar syrup each week for 2-4 weeks by using an entrance feeder, frame feeder or top feeder etc. If an entire yard of bees needs boosting then they could also be open fed, ensuring that they don't get a surplus that ends up being stored as "honey". Once there are enough bees coming through hives then top it off with a bigger feed of heavy syrup if needed (not by open feeding though). If there is not much pollen around then feed pollen supplements during this entire process.

8 Frame single brood boxes may need an ideal of honey on top to ensure that they are carrying a sufficient bee population going into winter. An 8 Frame single brood box is often not sufficiently strong enough for almonds in August, whereas having an ideal on top often achieves a better colony size if they went into winter strong.



This 8 frame colony has good honey stores but needs a lot more bees in it to reach the correct standard.

If you have double hives (with a honey box) that you feel needs feeding to stimulate breeding then the safest option is to take off the box of honey so that you don't adulterate your honey with sugar syrup. Once it is a single box feed it the same rate of 0.5-1L 1:1 sugar syrup per week and add pollen supplements if required.

If you do not prepare your hives properly NOW then you will have poorer hives in August, meaning that you have to leave more at home or you send a lot of junk to almonds. Get it right now and DON'T send junk to the almonds!

Biosecurity for Beekeepers BOLT course

For NSW registered commercial beekeepers (with 50 hives or more) who would like to do the Biosecurity for Beekeepers BOLT online course but have not yet received a code from me (to do it at no cost) please send me an e-mail to rod.bourke@dpi.nsw.gov.au listing your brand, individual beekeeper and any company name and I will get this out to you.

For all beekeepers wanting to access this useful and informative course please use the following link. <https://honeybee.canopihr.com.au>

NSWAA AGM; Look for me at the NSWAA AGM at Bathurst if you need a code or assistance doing your BOLT course or with AFB management and barrier systems.

Welcome to New Members

Benjamin Merivale - Murrumbateman

Graham Porter - Lane Cove West

**They know me.
They know my farm.
That's why I'm
insured with WFI.**



At WFI, we take the time to thoroughly understand your business and how it operates. Because when we get to know a business, we can protect everything that matters.

Call 1300 934 934 or visit wfi.com.au

backed by 

To see if our products are right for you, always read the PDS from the product issuer, Insurance Australia Limited ABN 11 000 016 722 AFSL 227681 trading as WFI (WFI).



farm insurance

POLLEN



**100% PURE
NATURAL POLLEN**

Just as the bees collect it for themselves!

We have irradiated pollen as per AQIS standard

Just the right thing to get a broodnest started

for almond pollination

Pollen available in 5kgs bags

1 x 5 kg bag		\$16/kg
4 x 5kg bags	1 Box	\$14/kg
20 x 5kg bags	5 Boxes	\$13/kg
Plus freight		

Contact: Browns Bees Australia
Terry Brown Ph: 02 6886 1448
Email: brownsbees@gmail.com



**DALRYMPLE
VIEW**

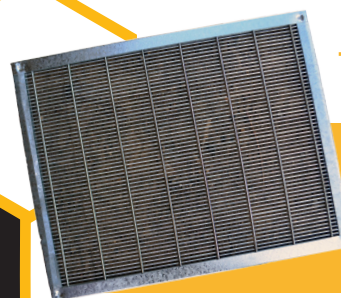


APIARY SUPPLIES

**MANUFACTURERS AND SUPPLIERS
OF ALL YOUR BEEKEEPING NEEDS**

- **FRAMES**
- **SUPERS**
- **CLEARER BOARDS**
- **EXCLUDERS AND MORE**

**ALL
AUSTRALIAN
MADE USING
QUALITY
AUSTRALIAN
HOOP PINE**



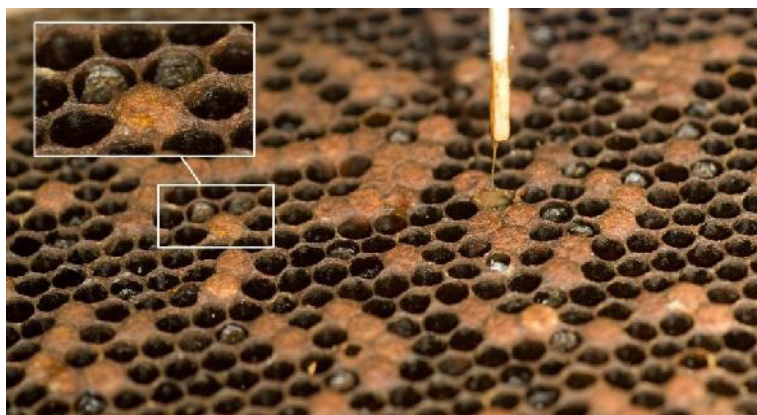
**TRY OUR NEW
EXCLUDERS**

Built to last
Metal Construction
Stronger Rim & Core
Made Locally by
Dalrymple View using
ORIGINAL BEECO DESIGN

Stockist of most other beekeeping supplies

65 Forde Street Allora QLD 4362 • 0448 717 051
www.dalrympleview.com.au • sales@dalrympleview.com.au

Could this be happening to your beehives?



Disease in bee equipment can be a major problem if left untreated.

The devastating effect diseases such as American and European Foulbrood can cause is a constant concern for beekeepers.

Treatment using Gamma Irradiation is a well established and proven method for eliminating pathogens from bee equipment and killing all forms of insect and pest contamination.

Irradiation also assists with increasing honey yield.

Is sterilisation a key step in your production process?

Gamma Irradiation provides the most effective sterilisation solution for manufacturers of medicinal honey products.

Sterilisation ensures a quality product that meets all regulatory and business requirements.

Steritech has been a provider of Gamma Irradiation services to the medicinal honey industry for many years. Using our expertise and knowledge we can assist you with your sterilisation requirements.

YOU CAN RELY ON IRRADIATION – YOU CAN RELY ON STERITECH



Your bees are calling out to you!

Steritech has been providing Gamma Irradiation to the beekeeping industry for many years. In fact, the irradiation of bee equipment was pioneered in Australia!

Whether our service is used to eliminate current contamination or is used as a



preventative measure, Steritech is always happy to help our beekeepers.

From beehives to medical applications, Steritech is there for you.

Steritech is a proud member of the NSWAA

Innovation is driven from ideas

The concept of using irradiation in the beekeeping industry all started with an idea on how to do things a bit differently.

We are constantly trying to develop ways to utilise our processes to help your industry in lots of new ways.

But without your ideas and input, gamma irradiation would not be where it is today.

Come and share your thoughts and ideas with us. You could hold the key to developing a new application that could alter the beekeeping industry forever.



Please contact us about any inspirational ideas you have



www.steritech.com.au

STERITECH NSW

Jamie Crighton
National Business Development Manager
Tel: 02 8785 4400
Email: jcrighton@steritech.com.au

STERITECH QLD

Glenn Robertson
QLD General Manager
Tel: 07 3293 1566
Email: grobertson@steritech.com.au

STERITECH VIC

Raymond Bryden
VIC Sales Executive
Tel: 03 8726 5566
Email: rbryden@steritech.com.au

BECOME A BERRINGA BEEKEEPER

At Berringa, we've proudly supported Aussie beekeepers for 25 years and we're always on the lookout for new suppliers.

What are the advantages of being a Berringa beekeeper?

We're 100% Australian owned and operated

- ✦ All Berringa products are 100% Australian sourced.
- ✦ From Eucalyptus and Manuka to honeycomb and beeswax, we believe Aussie honey is unbeatable.
- ✦ Based in Melbourne, the Berringa team is always on hand to answer your queries.

We're transparent

- ✦ All Manuka is independently tested.
- ✦ We pay our beekeepers based on independent laboratory results. Our quality standards include ACO, Codex, BSafe and TGA.

We care about our beekeepers

- ✦ Drum and IBC supply is free for our regular Manuka suppliers.
- ✦ Our dedicated procurement managers and friendly customer service team are on hand to offer beekeeper support.

Be part of a company that drives Australian honey in the international and domestic markets. Talk to our friendly procurement and supply team today.



Contact:
Geoff Lord - Procurement Manager
m: +61 417 598 201 t: +61 3 8456 3543
e: geoff.lord@berringa.com
Berringa Customer Service
t: +61 3 8456 3543 e: beekeepers@berringa.com
berringa.com

BERRINGA



Australian Organic Honey Company Pty Ltd
24 Westside Dr, Laverton North VIC 3026, Australia



Can Assist Stand

NSWAA Conference Bathurst

'BEE HAPPY GIFTS'

Donations to go to Can Assist

SUPPORT CAN ASSIST



A home fit for a Queen
Give your bees the best
Australian owned & manufactured
Quality Hoop Pine



**Manufacturers of Quality Woodware
from Australian-Grown Hoop Pine**

- Buying all grades of wax
- Large range of beekeeping supplies

- Phone, Email and Bulk Orders welcomed
- Postage and freight options available

Manufacturing & Supply

806 River Road
Kingaroy Q 4610
Main 0427 946 614
0429 130 167

bbeesupplies@bournetnet.com.au



Supply Outlet

Shed 9B Industrial Avenue
Morayfield Q 4125
Main 0484 598 580
0411 251 901

bbeesuppliesmorayfield@hotmail.com

Website: www.burnettbeekeepingsupplies.com.au

DEMISE™

Termite Detection and Elimination System

DIY TERMITE BAIT STATIONS



- Easy to use in-ground traps
- Very low toxicity to humans and pets
- Complete bait & monitoring system

PHONE 1300 657 822
pestcontroldirect.com.au

TOPBAIT™ PLUS

FOR THE CONTROL OF COCKROACHES AND

SMALL HIVE BEETLE

Our APIS Traps in conjunction with either our Sticky Boards or New Topbait Plus will help put you back in control of your hives again.



THE TRAP:

- Minimal stress to the hive
- 4 beetle entry points
- Non toxic
- Sturdy and Reliable
- Cheap and Effective
- Allows the beetles to enter but is too small to allow bees entry.

THE BAIT:

- Kills Small Hive Beetle
- Cost Effective
- Low Dose Rate
- No Mess DIY Application
- Low Water Solubility
- APVMA Approved

THE STICKY BOARD:

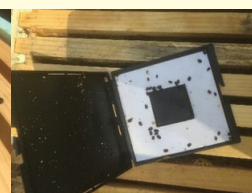
- ★ New extra tacky boards with a stringier surface and easy tear off tabs boards are in stock now.



TOPBAIT PLUS



SET APIS TRAP



STICKY BOARD

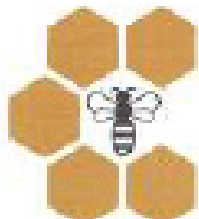


1300 657 822

pestcontroldirect.com.au

APVMA Approval No: 68330/108733





AUSTRALIAN HONEY BEE INDUSTRY COUNCIL INC (AHBIC) UPDATE

Full newsletter available from <http://honeybee.org.au>



And the winner of the 2019 Agrifutures EvokeAG Producer Problem Pitch is.... Mr Danny Le Feuvre, Australian Bee Services. Pictured with AHBIC board chair Peter McDonald and AHBIC CEO Sarah Paradise Danny (centre), presented on potential advances in dealing with American foulbrood. It was great to see issues affecting the honey bee industry so highly profiled at this inaugural Agrifutures ag tech conference of about 1,200 delegates. Well done Danny!

Congratulations to our 2019 Australian Biosecurity Award winners!

Apiary program, Agriculture Victoria for their partnership with industry to develop the Victoria State Quarantine Response Team who will respond to detections of Varroa destructor. *Beekeeping partnership recognised with national award*
Sarah Corcoran, Northern Territory Government Department of Primary Industry and Resources for her work with industry, government and community during the 2018 outbreak of citrus canker.

Did you catch this story by Samantha Townsend in The Land on 22 February 2019 where Neil Bingley from NSW Apiarist Association is interviewed? *NSW honey production down 30 per cent*

Listen to AHBIC Chair Peter McDonald and Jodie Goldsworthy being interviewed on *Oh, honey: a bees-eye view of Australia's golden industry* with others on ABC Radio - On Nightlife with Philip Clark, 13 February 2019.

Agriculture 4.0 – this is a new initiative by the Australian Government. Working with industry under the banner 'Australia for Agriculture 4.0', Austrade is showcasing Australia's competitive advantages in agtech and foodtech to a global audience and helping to facilitate connections. The initiative is

aimed at helping to attract more investment in Australia's emerging agrifood tech sector.

ABC Radio Podcast - Richard Aedy on The Money Radio National, 31st January 2019, a very interesting listen: What's the buzz? The value of bees

Honey bee water needs in hot weather article in The Land on 25th February 2019 by Elizabeth Frost, honey bee specialist with the NSW Department of Primary Industries is another interesting read

The Minister for Agriculture and Water Resources announced that a levy on importers would allow investment in more efficient biosecurity measures, noting that it makes sense that those who create risk should contribute proportionately to our biosecurity screening. Invading pests and diseases can come in on the hulls of ships as well as the decks and storage compartments, as well as in the cargo itself. The steering committee has now been announced and contains representatives from industry and farm groups to help steer an informed delivery for the levy, which will see importers pay for biosecurity border screening.

The Australian Manuka Honey Association (AMHA) announced the public presentation of its new Mark of Authenticity in order to provide consumers of Manuka honey with absolute confidence that the honey they are purchasing is pure 100% Australian Manuka. Products bearing the mark were unveiled at the AMHA AGM held on 20 February 2019. Honey that carries the AMHA's Mark of Authenticity must be pure, natural Manuka honey, produced entirely in Australia, and be tested by an independent, approved laboratory to ensure it meets minimum standards of naturally occurring methylglyoxal (MGO), dihydroxyacetone (DHA), and leptosperin. Plenty of further information can be found on the Australian Manuka Honey Association website. World Bee Day is May 20th 2019 - Keep an eye on your local apiarist association news for events and activities to celebrate World Bee Day. In Canberra, there will be a great day planned to mark the occasion on Sunday 19th May involving activities at Australian Parliament House, a family bee picnic at the Embassy of Sweden and a bee film night. More to follow as details come to hand.

HUNTER VALLEY APIARIES

Col & Linda Wilson PO Box 180, KURRI KURRI NSW 2327 Ph/Fax: (02) 4930 4950

FOUNDATION

PLASTIC

The Best Plastic Foundation
You Can Buy
Dominates Sales in
USA and CANADA
Sizes, FD, WSP, Manly, Ideal

Full **PLASTIC FRAMES**
available

WAX

We can mill to the thickness
you require
Have your own wax milled or
exchanged for foundation in
stock

DRONE COMB FOUNDATION
available

Wax bought or exchanged for
bee goods

FRAMES Mahurangi NZ
Premium Quality

For Plastic and Wax Foundation

BEE BOXES

WEATHERTEX Lids & Bottom
Boards

QUEEN EXCLUDERS

FRAME FEEDERS

QUEEN CELLS

AFB
TEST KITS

Quick and easy to use
Results in just 3 minutes

SWARM ATTRACTANTS
APITHOR for Small Hive Beetle

NOZEVIT

HIVES CAN BE TREATED FOR LESS THAN \$1

Healthy bee colonies build brood faster in the
Spring, and will winter extremely well when
their intestinal integrity is intact. By using all
natural Nozevit as a food supplement for intestinal
cleansing for internal ailments.

i.e nosema

For All Your BEEKEEPING SUPPLIES

Email: honeybee100@skymesh.com.au

Phone: 02 4930 4950

Proudly supporting
Aussie beekeepers
since 1953



Over more than 60 years, Capilano Honey has grown from humble beginnings to be one of the world's leading honey suppliers, proudly supporting more than 600 Australian Beekeeping families.

We are actively seeking to expand our supplier network, sourcing quality honey and beeswax from new and existing beekeepers. You do not need to be a shareholder in order to become a supplier.

To become a supplier, please contact our Honey Supply Manager, Stephen Covey:

0419 431 652 | s.covey@capilano.com.au

capilanothoney.com



BEEKEEPING JOURNALS

AMERICAN BEE JOURNAL

For beekeeping information read
The American Bee Journal
Editorial emphasis on practical-down-to-earth material,
including questions and answers.
1 year US\$52.00, 2 years US\$99.00
Digital Edition price US\$16.00
Please inquire for airmail - VISA, MasterCard accepted
For more information or free sample copy, write to:
51 South 2nd Street, Hamilton, Illinois, 62341
Tel: (217) 847 3324 Fax: (217) 847 3660
Email: abj@dadant.com
Website: www.americanbeejournal.com
The American Bee Journal is the largest monthly
apiculture magazine in the world.

BEE CULTURE

The Magazine of American Beekeeping
Published Monthly - Free Calendar with Subscription
www.BeeCulture.com for details

AUSTRALIAN BEE JOURNAL

The Journal of the Victorian Apiarists' Association Inc.
Published monthly
Annual subscription: \$82 Australia / \$120 overseas
For more information and a free sample copy
Contact: The Editor
PO Box 42, Newstead VIC 3462
Email: abjeditors@yahoo.com

THE BUZZ!

South Australian Apiarists' Association Newsletter
Published 5 times annually
Included in annual membership subscription to SAAA
(minimum subs \$88.00)
For further information please contact:
The Secretary, SAAA
1 Parma Street, Pt Broughton SA 5522
Phone: (08) 8635 2257
Email: secretary@saaa.org.au

THE AMATEUR BEEKEEPER

Bi-monthly newsletter for
The Amateur Beekeepers' Association Inc..
Editor: Sue Carney
Email: susancarney@me.com

THE NEW ZEALAND BEEKEEPER

Official Journal of Apiculture New Zealand Inc. - www.
nba.org.nz
Accounts & Subscriptions: Pauline Downie
PO Box 25207 Wellington 6146 New Zealand
Phone: 04 471 6254
Email: secretary@nba.org.nz
Advertising: Certa Solutions
PO Box 2494, Dunedin 9044, New Zealand
Ph: 0800 404 515
Email: beekeeper@certasolutions.co.nz

ADVERTISERS

Apiary Cots	39
Aussie Hives	36
Australian Queen Bee Exporters	23
Australian Queen Bee Line Pty Ltd	36
Avant Equipment	7
Bee Buils	43
Bee Engineering	23
Beechworth Honey Pty Ltd	24
BeePlas Australia	35
BeeWise	41
Berringa	50
Blue Bees Producers	24
Boutelje Products Ltd	34
B-QUAL Australia Pty Ltd	34
Browns Bees Australia	48
Burnett Bee Keeping Supplies	50
Capilano Honey Ltd	53
Clayton Plastics	18
CNR Insurance Brokers	43
Cottesbrook Honey	23
Covey Queens	2
Dalrymple View Apiary Supplies	48
Demise	50
Denmar Apiaries	2
Ezyloader	8
FeedBee	26
Gustare	30
Honey Down Under	2
Honey Wanted	39
Hornsby Beekeeping Supplies	40
Hummerbee Forklifts	9
Hunter Valley Apiaries	52
Lyson Beekeeping Supplies	27
NUPLAS - Plastic Hives	28/29
Penders Beekeeping Supplies	8
Power Blast	41
Prestige Stainless	6
SA Beekeeping Supplies	24
SCHÜTZ	56
Simons Boiler Co	6
Spitwater	37
Steritech Pty Ltd	49
Superbee	55
Top Bait Plus	50
Valley Industries Ltd	26
Wellbees	22
WFI Insurance	48
www.candlemaking.com.au	35

As one of Australia's largest
packers of pure Australian honey,
Superbee Honey Factory is
LOOKING FOR SUPPLIERS
to support our increasing demand
for Australian Honey



CONTACT US TO REQUEST A QUOTE OR BOOK A DELIVERY T. 02 6851 1155
BEN SMITH - E. ben@superbee.com.au

WE HAVE NEW IBC'S FOR SALE TO OUR SUPPLIERS AT \$335 (INCL).
*We can deduct the price directly from your honey delivery,
so you can take them home when you drop off the honey!*

PAYMENT IN 30 DAYS OR LESS



Bee Wonderful Pty Ltd
ABN. 37 113 160 571
Cnr Newell Hwy & Landrace Rd
Forbes NSW 2871
T. (02) 6851 1155
F. (02) 6851 1177
www.superbee.com.au

THE HONEY INDUSTRY IS SWARMING TO **SCHÜTZ ECOBULK**



FEATURES INCLUDE:

- Economically designed for the safe transport and storage of honey – at least 25% more efficient than traditional packaging
- Can be easily stacked up to 3 ECOBULK high
- Capacity MX ECOBULK – 1,000L (275 Gal)
- Manufactured under HACCP conditions in a clean environment

CONTACT SCHÜTZ TO ORDER YOUR ECOBULK TODAY AT SALES@SCHUETZ.NET OR ON 03 9360 9291

WWW.SCHUETZ.NET