Papaw information kit
Reprint – information current in 2000

REPRINT INFORMATION – PLEASE READ!
For updated information please call 13 25 23 or visit the website www.dpi.qld.gov.au

This publication has been reprinted as a digital book without any changes to the content published in 2000. We advise readers to take particular note of the areas most likely to be out-of-date and so requiring further research:

- Chemical recommendations—check with an agronomist or Infopest www.infopest.qld.gov.au
- Financial information—costs and returns listed in this publication are out of date. Please contact an adviser or industry body to assist with identifying more current figures.
- Varieties—new varieties are likely to be available and some older varieties may no longer be recommended. Check with an agronomist, call the Business Information Centre on 13 25 23, visit our website www.dpi.qld.gov.au or contact the industry body.
- Contacts—many of the contact details may have changed and there could be several new contacts available. The industry organisation may be able to assist you to find the information or services you require.
- Organisation names—most government agencies referred to in this publication have had name changes. Contact the Business Information Centre on 13 25 23 or the industry organisation to find out the current name and contact details for these agencies.
- Additional information—many other sources of information are now available for each crop. Contact an agronomist, Business Information Centre on 13 25 23 or the industry organisation for other suggested reading.

Even with these limitations we believe this information kit provides important and valuable information for intending and existing growers.

This publication was last revised in 2000. The information is not current and the accuracy of the information cannot be guaranteed by the State of Queensland.

This information has been made available to assist users to identify issues involved in the production of mangoes. This information is not to be used or relied upon by users for any purpose which may expose the user or any other person to loss or damage. Users should conduct their own inquiries and rely on their own independent professional advice.

While every care has been taken in preparing this publication, the State of Queensland accepts no responsibility for decisions or actions taken as a result of any data, information, statement or advice, expressed or implied, contained in this publication.
Want more information? This section helps direct you to the other important providers and sources of papaw information. The Contacts directory contains the names and contact details of people and organisations serving the papaw industry. The References section contains a list of information that is useful reading for anyone involved in the industry.

Contents

Contacts

Grower associations, special product suppliers, consultants and technical information services

References

Books, articles, brochures, journals, magazines and newsletters
Contacts

Names are provided solely for assisting readers to make contact. Inclusion of a person or organisation does not constitute an endorsement by the Department of Primary Industries or the authors, nor does it endorse a particular person or organisation over others not mentioned.

The Department of Primary Industries gives no warranty as to the quality or suitability of goods or services provided by companies and businesses listed in this kit. Trade names are used in this kit solely for providing specific information. Mention of a trade name does not constitute a guarantee or warranty by the Department of Primary Industries or the authors, nor is it an endorsement of these products over others not mentioned.

---

Papaw grower associations ................................................... 3
Organic and biodynamic grower associations ....................... 3
Suppliers of papaw seed .......................................................4
Nurseries for papaw seedlings ..............................................5
Pest management consultants ..............................................5
General consultancy services ..............................................7
Sap testing—consultants or laboratories ..............................7
Soil and plant testing laboratories ........................................8
Suppliers—general and field .................................................8
Field and packing shed equipment suppliers..........................9
Pesticides and spraying.........................................................9
Papaw processors ...............................................................11
Irrigation consultants .........................................................11
Nutrition consulting services .............................................12
Beneficial insect suppliers ...................................................13
Packaging suppliers ............................................................13
Market information .............................................................14
Market agents ....................................................................17
Export associations ............................................................18
AQIS offices .......................................................................18
Inspections for interstate movement .................................19
Information on interstate movement provisions .................20
Queensland government services ........................................21
Business planning advice—Queensland Government ..........24
Quality management training and information ....................24
Agricultural booksellers ......................................................25
Contacts through the Yellow Pages .....................................26

This section is up-to-date at the time of printing. If you supply special services to the papaw industry, you may provide your details for consideration. Please forward your details to:
Agrilink, Department of Primary Industries, PO Box 5269 SCMC
Nambour Qld 4560
Ph: (07) 5444 9690
Fax: (07) 5444 9694
Int Code +61 7
E-mail: agrilink@dpi.qld.gov.au

---

Papaw

Agrilink
Papaw grower associations

Queensland papaw growers are represented by the Papaw (Papaya) Subcommittee of the Other Fruits Sectional Group Committee of the Queensland Fruit & Vegetable Growers. The subcommittee develops policy in research and development and promotion. Contact:

Executive Officer
Papaw (Papaya) Subcommittee
Queensland Fruit & Vegetable Growers
PO Box 19
BRISBANE MARKETS QLD 4106
Ph: (07) 3213 2444; Fax: (07) 3213 2480
The Growers’ Access Line numbers are:
Ph: 1800 654 222; Fax: 1800 650 196
E-mail: qfvg@qfvg.org.au
Web: www.qfvg.org.au

Regional groups cater for papaw growers in Queensland. These groups provide a range of services to their members. The groups with their current contacts are:

Sunshine Coast Sub Tropical Fruits Association
PO Box 733
NAMBOUR QLD 4560
Ph/Fax: Secretary (07) 5446 7676

Gympie Fruit Growers’ Association
c/- Secretary
Hoopers Road
CURRA QLD 4570
Ph: (07) 5483 1307 Fax (07) 5483 1324

Yarwun-Targinie Fruit Growers’ Association
PO Box 37
YARWUN QLD 4694
Ph: (07) 4973 6526

Mareeba District Fruit & Vegetable Growers’ Association
PO Box 989
MAREEBA QLD 4880
Ph: (07) 4092 6099; Fax: (07) 4092 6099

Innisfail Papaw & Other Fruits Growers’ Association
PO Box 916
INNISFAIL QLD 4860
Ph: (07) 4064 2606

Organic and biodynamic grower associations

Note: These organisations do not have the resources to provide a general advisory service about organic fruit production. Their main function is to provide information about certification standards and
processes. Special services are also provided to members after joining. Kits containing information on membership and certification standards and processes are available for purchase.

**Biological Farmers of Australia Co-op Ltd**  
PO Box 3404  
TOOWOOMBA VILLAGE FAIR QLD 4350  
Ph: (07) 4639 3299; Fax: (07) 4639 3755  
E-mail: bfa@icr.com.au

**National Association for Sustainable Agriculture Australia Ltd (NASAA)**  
PO Box 768  
STIRLING SA 5152  
Ph: (08) 8370 8455; Fax: (08) 8370 8381  
E-mail: enquiries@nasaa.com.au

**Bio-Dynamic Agricultural Association of Australia/Biodynamic Research**  
c/- Post Office  
POWELLTOWN VIC 3797  
Ph: (03) 5966 7333; Fax: (03) 5966 4333

**Organic Retailers & Growers Association of Australia**  
c/- The Secretary  
PO Box 12852  
A’Beckett Street Post Office  
MELBOURNE VIC 3000  
Ph: (03) 9737 9799; Fax: (03) 9737 9499  
E-mail: organic@alphalink.com.au

**Suppliers of papaw seed**

**Gary Grant**  
c/- Community Mail  
AMBROSE QLD 4696  
Ph: (07) 4975 1317; Fax: (07) 4975 1397

**Westfresh Pty Ltd**  
4 Bella Vista Avenue  
INNISFAIL QLD 4860  
Ph: (07) 4061 2105

**John Posma**  
Box 550  
MAREEBA QLD 4880  
Ph/Fax: (07) 4092 3151

**Robyn Wiltshire**  
KURRIMINE QLD 4852  
Ph: (07) 4065 6146
Nurseries for papaw seedlings

Birdwood Nursery
71–83 Blackall Range Road
WOOMBYE QLD 4559
Ph: (07) 5442 1611; Fax: (07) 5442 1053; Mobile: 0428 715 994
E-mail: birdwood@pegasus.com.au

Rossmount Nursery
15 Tin Can Bay Road
GOOMBOORIAN QLD 4570
Ph: (07) 5483 3734; Fax: (07) 5483 3524; Mobile: 0419 720 117
E-mail: rossmt@tpg.com.au
Web: www.cooloola.org.au/ross

Whispering Pines Nursery
51 Blackgate Road
AMAMOOR QLD 4570
Ph: (07) 5484 3536; Mobile: 0407 153 883

Slocombe’s Nursery
PO Box 352
GORDONVALE QLD 4865
Ph/Fax: (07) 4056 2391

K & R Fruits
Keith & Rhonda Morris
20 Briggs Street
TULLY QLD 4854
Ph: (07) 4068 1469; Fax: (07) 4068 0469

Anza Nursery
PO Box 1484
MAREEBA QLD 4880
Ph: (07) 40922857; Fax: (07) 4092 5148

Endeavour Foundation
PO Box 551
AYR QLD 4807
Ph: (07) 4783 2833; Fax: (07) 4783 3572

Violets & Lace Nursery
PO Box 103
INNISFAIL QLD 4860
Ph: (07) 4061 2687; Fax: (07) 4061 6433

Pest management consultants

Henry Drew
12 Tytherleigh Rd
PALMWOODS QLD 4555
Ph: (07) 5445 0032; Fax: (07) 5445 0940
E-mail: hjdrew@ozemail.com.au

NOTE
Some nurseries want you to supply your own seed for raising seedlings.
Beneficial Bug Company
PO Box 436
RICHMOND NSW 2753
Ph: (02) 4570 1331; Fax: (02) 4578 3979; Mobile: 0414 789 125
E-mail: a.ryland@uws.edu.au

Integrated Pest Management
also trading as Bugs for Bugs
28 Bowen Street
MUNDUBBERA QLD 4626
Ph: (07) 4165 4663; Fax: (07) 4165 4626
E-mail: dan@bugsforbugs.com.au
Web: www.bugsforbugs.com.au

Horticultural Crop Monitoring
Paul Jones
PO Box 3725 CBC
CALOUNDRA QLD 4551
Ph/Fax: (07) 5491 4662; Mobile: 0412 714 905
E-mail: pjones@hotkey.net.au
Malcolm Durham
Ph/Fax: (07) 5443 7073; Mobile: 0416 114 905
E-mail: zeki@bigpond.com

Jeff Watson
PO Box 384
MAREEBA QLD 4880
Ph/Fax: (07) 4092 4059

Scientific Advisory Services Pty Ltd
Richard Piper
PO Box 1056
TULLY QLD 4854
Mobile: 0417 644 660; Fax: (07) 4065 4991
A/H Ph: (07) 4065 4975
E-mail: sas@znet.net.au
Web: www.saspl.com.au

Piccone Horticultural Consultancy Pty Ltd/Piccone PHC
201 Bruce Highway
EDMONTON QLD 4869
Ph: (07) 4045 3277; Fax: (07) 4045 3613; Mobile: 0417 616 476
E-mail: piccone@internernorth.com.au

Davis Farm Consultancy Service
W.B. (Bill) Davis
PO Box 1025
INNISFAIL QLD 4860
Ph: (07) 4063 3879; Fax: (07) 4063 3634; Mobile: 0407 691 760
**General consultancy services**

**Horticultural Crop Monitoring**
Paul Jones
PO Box 3725 CBC
CALOUNDRA QLD 4551
Ph/Fax: (07) 5491 4662; Mobile: 0412 714 905
E-mail: pjones@hotkey.net.au
Malcolm Durham
Ph/Fax: (07) 5443 7073; Mobile: 0416 114 905
E-mail: zeki@bigpond.com

**Davis Farm Consultancy Service**
W.B. (Bill) Davis
PO Box 1025
INNISFAIL QLD 4860
Ph (07) 4063 3879; Fax: (07) 4063 3634; Mobile: 0407 691 760

**Sap testing—consultants or laboratories**

**Agritec Pty Ltd**
1 Ridge Road
WOODSIDE SA 5244
Ph/Fax: (08) 8389 7379

**Laboratory Supply Australia Pty Ltd**
44 Proprietary Street
TINGALPA QLD 4173
Ph: 1800 011 015; Fax: (07) 3390 6911

**Selby Biolab**
Private Bag 24
MULGRAVE NORTH VIC 3170
Ph: 13 29 91; Fax: 1800 067 639

**IAMA**
124 Howard Street
NAMBOUR QLD 4560
Ph: (07) 5441 6088; Fax (07) 5441 6020; Mobile: 0418 878 896
Or Bent St
GYMPIE QLD 4570
Ph: (07) 5483 0200; Fax: (07) 5482 7404; Mobile: 0419 300 206

**Kane Rural**
Steggall Road
YANDINA QLD 4561
Ph: (07) 5446 7728
Soil and plant testing laboratories

**Agritech Laboratory Services**
PO Box 549
214 McDougall Street
TOOWOOMBA QLD 4350
Ph: (07) 4633 0599; Fax: (07) 4633 0711

**Hortech Services Pty Ltd**
PO Box 370
KALLANGUR QLD 4503
Mobile: 0418 878 484; Ph/Fax: (07) 3886 0389
E-mail: hortech@ats.com.au
Web: www.ats.com.au/~hortech

**Crop Tech Laboratories Pty Ltd**
MS 305
Langbeckers Road
BUNDABERG QLD 4670
Ph: (07) 4155 6344; Fax: (07) 4155 6656
E-mail: croptech@bigpond.com.au

**Incitec Ltd**
PO Box 140
MORNINGSIDE QLD 4170
Ph: (07) 3867 9300; Fax: (07) 3867 9310

**Pivot Agriculture**
124 Howard Street
NAMBOUR QLD 4560
Ph: (07) 5441 6088; Fax (07) 5441 6020; Mobile: 0418 878 896

**Pivotest Laboratory**
cnr South Road and Wilson Avenue
WERRIBEE VIC 3030
Tollfree: 1800 803 453; Ph: (03) 9974 0099; Fax (03) 9974 0699
Web: www.pivot.com.au

Suppliers—general and field

**Limephos Enterprises Pty Ltd**
7 Equestrian Drive
TOLGA QLD 4882
Ph: (07) 4095 4196; Fax: (07) 4095 4585

**Mirriwinni Pulverised Lime**
Bucklands Road
MIRRIWINNI QLD 4871
Ph: (07) 4067 6133
North Queensland Spreading Services
BABINDA QLD 4861
Ph: (07) 4067 1469
INNISFAIL QLD 4860
Ph: (07) 4061 7011
TULLY QLD 4854
Ph: (07) 4068 3150

Field and packing shed equipment suppliers

Daradgee Welding Works
Jubilee Road
DARADGEE QLD 4860
Ph: (07) 4063 3781; Mobile: 0419 687 989

IBS Engineering Supplies Pty Ltd
21 Cassowary Street
PO Box 200
INNISFAIL QLD 4860
Ph: (07) 4061 3188; Fax: (07) 4061 1214

Northern Scales Service
453 Draper Street
CAIRNS QLD 4870
Ph: (07) 4051 6448

Tully Welding Works
Bruce Highway
TULLY QLD 4854
Ph: (07) 4068 1344

Pesticides and spraying

To investigate pesticide and spray application issues, contact officers of the Animal and Plant Health Services in the following organisations:

Cairns
DPI Chemical Services Officers
PO Box 652
21–23 Redden Street
PORTSMITH QLD 4870
Ph: (07) 4035 4606; Fax: (07) 4035 5474

Townsville
DPI Chemical Services Officers
Abbott Street, Oonoonba
PO Box 1085
TOWNSVILLE QLD 4810
Ph: (07) 4722 2688; Fax: (07) 4778 2970
For information about the registration of chemicals and to apply for off label permits, contact:

**National Registration Authority**
First Floor, 10 National Court
PO Box E 240
KINGSTON ACT 2604
Ph: (02) 6272 5852; Fax: (02) 6272 5788
E-mail: nra.contact@nra.gov.au
Web: www.affa.gov.au/nra

**AVCARE Ltd**
National Association for Crop Protection & Animal Health
Locked Bag 916
CANBERRA ACT 2601
Ph: (02) 6230 6399; Fax: (02) 6230 6355
E-mail: avcare@ozemail.com.au

**Centre for Pesticide Application & Safety**
University of Queensland, Gatton College
GATTON QLD 4343
Ph: (07) 5460 1281; Fax: (07) 5460 1283

**ChemCert Training Queensland**
PO Box 17
GRANGE QLD 4051
Ph: (07) 3352 5033; Fax: (07) 3352 5042
E-mail: chemcert@powerup.com.au

**National office**
Ph: (02) 6933 2177
E-mail: sking@csu.edu.au

**Other technical information**

**Australian Horticultural Corporation**
Level 11, 51 Druitt Street
SYDNEY NSW 2000
Ph: (02) 9264 9966; Fax: (02) 8267 4199
E-mail: ahc@hort.corp.au

**Horticultural Research and Development Corporation**
Level 6
7 Merriwa Street
GORDON NSW 2072
Ph: (02) 9418 2200; Fax: (02) 9418 1352
E-mail: hrdc@hrdc.gov.au
Web: www.horticulture.com.au
**Papaw processors**

Sunshine Tropical Fruit Products Pty Ltd  
MSF 84  
320 Image Flat Road  
NAMBOUR QLD 4560  
Contact: Bill Hughes  
Ph: (07) 5441 1920; Fax: (07) 5441 1152

Tweed Valley Processors Pty Ltd  
Lundberg Drive  
PO Box 150  
MURWILLUMBAH NSW 2484  
Contact: Richard & Kerry Moran  
Ph: (02) 6672 3166; Fax: (02) 6672 4299

Golden Circle Ltd  
Earnshaw Road  
NORTHGATE QLD 4013  
PO Box 106  
VIRGINIA QLD 4014  
Ph: (07) 3266 0000; Fax: (07) 3260 5994

**Irrigation consultants**

Agrilink International  
Suite 7A  
69 Burbridge Road  
HILTON SA 5033  
Ph: (08) 8443 5766; Fax: (08) 8443 5967  
E-mail: robbo@agrilink-int.com  
Web: www.agrilink-int.com

Kane Pumping & Irrigation  
13 Ernest Street  
INNISFAIL QLD 4860  
Ph: (07) 4061 2633; Fax: (07) 4061 4511; Mobile: 0407 612 633 or 0403 065 932  
E-mail: kanepumping@internetnorth.com

Low’s Pumping & Irrigation  
Shop 3, 180 Edith Street  
INNISFAIL QLD 4860  
Ph/Fax: (07) 4061 7505/7506; Mobile: 0407 617 505  
E-mail: lowpumping@4kz.com.au

The Water Shed  
9 Goondi Mill Road  
INNISFAIL QLD 4860  
Ph: (07) 4061 6177; Fax: (07) 4061 4208  
TULLY  
Ph: (07) 4068 2191
Hortech Services Pty Ltd
Peter Broomhall
PO Box 370
KALLANGUR QLD 4503
Ph/Fax: (07) 3886 0389; Mobile: 0418 878 484
E-mail: hortech@ats.com.au
Web: www.ats.com.au/~hortech

Irri-Scan North
Peter Broomhall
Ph/Fax: (07) 3886 0389; Mobile: 0418 878 484
E-mail: hortech@ats.com.au
David Harper
Mobile: 0418 771 925
E-mail: irriscannorth@internetnorth.com.au

Nutrition consulting services

Biological Crop Protection
3961 Moggill Road
MOGGILL QLD 4070
Ph: (07) 3202 7419; Fax: (07) 3202 8033; Mobile: 0412 083 489
E-mail: biolcrop@powerup.com.au

Crop Tech Laboratories
MS 305
Langbeckers Road
BUNDABERG QLD 4670
Ph: (07) 4155 6344; Fax: (07) 4155 6656
E-mail: croptech@b130aone.net.au

Hortech Services Pty Ltd
Peter Broomhall
PO Box 370
KALLANGUR QLD 4503
Ph/Fax: (07) 3886 0389; Mobile: 0418 878 484
E-mail: hortech@ats.com.au
Web: www.ats.com.au/~hortech

Davis Farm Consultancy Service
W.B. (Bill) Davis
PO Box 1025
INNISFAIL QLD 4860
Ph: (07) 4063 3879; Fax (07) 4063 3634; Mobile: 0407 691 760
**Beneficial insect suppliers**

Integrated Pest Management  
also trading as Bugs for Bugs  
Bowen Street  
MUNDUBBERA QLD 4626  
Ph: (07) 4165 4663; Fax: (07) 4165 4626  
E-mail: dan@bugsforbugs.com.au  
Web: www.bugsforbugs.com.au  
Supplies Aphytis, red and blue chilocorus

Beneficial Bugs Company  
PO Box 436  
RICHMOND NSW 2753  
Ph: (02) 4570 1331; Fax: (02) 4578 3979; Mobile: 0414 789 125  
E-mail: a.ryland@uws.edu.au

Ecomite  
125 Stringybark Road  
BUDERIM QLD 4556  
A/H Ph: (07) 5445 3262

Biological Services  
PO Box 501  
LOXTON SA 5333  
Ph: (08) 8584 6977; Fax: (08) 8584 5057  
Email: fruitdrs@sa.ozland.net.au  
Supplies Aphytis, Encarsia

**Packaging suppliers**

**Cardboard**

Joe's Cartons  
PO Box 273  
INNISFAIL QLD 4860  
Ph: (07) 4061 1511; Fax: (07) 4061 6035

**Visyboard**

Bruce Highway  
PO Box 741  
TULLY QLD 4854  
Ph: (07) 4068 1788; Fax: (07) 4068 1504

Bruce Highway  
GOONDI QLD 4860  
Ph: (07) 4063 3871

Fitzalan Street  
BOWEN QLD 4865  
Ph: (07) 4786 3133
Amcor Fibre Packaging Australia
47 Tingira Street
PORTSMITH QLD 4870
Ph: (07) 4035 1183; Mobile: 0418 333 344

ROCKHAMPTON QLD 4700
Ph: (07) 4936 1125; Fax: (07) 4936 1935

806 Ingham Road
BOHLE QLD 4818
Ph: (07) 4774 9444

Signet
PO Box 1
WAKERLEY QLD 4154
Ph: 13 34 45; Fax: 1300 304 305
E-mail: sales@signet.net.au
Web: www.signet.net.au

Polystyrene

Norfoam
PO Box 93
INNISFAIL QLD 4860
Ph: (07) 4061 3350

Martin’s Refrigerated Transport Carriers
Kevin Martin
PO Box 676
GYMPIE QLD 4570
Ph: (07) 5482 6689

D & T Styro Products
18 Reef Street
GYMPIE QLD 4570
Ph: (07) 5483 6155

Market information

Ausmarket Consultants

The Ausmarket Consultants group offers historic and current fruit and vegetable market price information, market intelligence, outturn reporting and product assessment. Participants in the network operate separate businesses within Australia’s major markets. The Ausmarket Consultants name covers activities where two or more of the group members combine resources to provide services that extend beyond their individual areas of operation.

Contact details are given here and on their web site:
www.users.bigpond.com/ausmarket
Individual members of the network are:

Adelaide

Adelaide Market Services
Bill Bishop
PO Box 6014 Halifax Street
ADELAIDE  SA  5000
Ph: (08) 8232 5555; Fax: (08) 8232 1311; Mobile: 0419 868 265

Brisbane

Market Information Services
Trevor Brewer
D Block Brisbane Market
PO Box 229
BRISBANE MARKETS  QLD  4106
Ph: (07) 3379 4576; Fax: (07) 3379 4103; Mobile: 0417 712 427
Infocall: 1902 262 580 ($2.50 per minute, covers Adelaide, Brisbane, Sydney and Melbourne)
E-mail: Ausmarket@bigpond.com

Melbourne

DataFresh Melbourne Market Reporting Service
John Popilieff
Box 170 Melbourne Markets
FOOTSCRAY  VIC  3011
Ph: (03) 9689 3444; Fax: (03) 9689 3411; Mobile: 0411 117 578
E-mail: info@datafresh.com.au

Sydney

Control Quality Services Pty Ltd
Chris Cope
PO Box 350
FRENCHS FOREST  NSW  2086
Ph: (02) 9746 3437; Fax: (02) 9746 1075; Mobile: 0416 108 639
E-mail: cqs@accsoft.com.au

Other market price information sources

Perth

Perth Market Reporting Service
Perth Market Authority
Mail Point 1
280 Bannister Road
CANNING VALE  WA  6155
Ph: (08) 9455 2900; Fax: (08) 9455 2902
Market reports: 1900 983 304 (recording); 75 cents per minute
E-mail: market@tpgi.com.au
Sydney

Flemington Market Reporting Services
Northern B Block Warehouse
PO Box 1
FLEMINGTON MARKETS NSW  2129
Ph:  (02) 9764 3516;  Fax:  (02) 9763 1773
Market reports: 1900 123 038 (recording); 75 cents per minute
Dial-a-fax: 1900 123 039 ($2 per fax)

Payment problem contacts

If you have a disagreement over payment for produce or want a list of
registered farm produce commercial sellers, the following contacts
should be helpful.

Adelaide

South Australian Chamber of Fruit & Vegetables
c/- Adelaide Produce Markets Ltd
Ph:  (08) 8349 4528;  Fax:  (08) 8349 5922

Brisbane

Farm Produce Commercial Sellers
Deputy Registrar
Ph:  (07) 3239 3233;  Fax:  (07) 3239 3379
E-mail:  janetzn@dpi.qld.gov.au

Melbourne

Farmpay
Freecall:  1800 060 321;  Info Fax:  1800 678 062

Perth

Chamber of Fruit & Vegetable Industries
Robert Naudi
Ph:  (08) 9455 2742;  Fax:  (08) 9455 4923

Wholesaler information

Contact the appropriate number below for information about farm
produce commercial wholesalers in the markets.

Adelaide

Adelaide Produce Markets Ltd
Diagonal Road
POORAKA SA  5095
Ph:  (08) 8349 4493;  Fax:  (08) 8349 6574
Brisbane

Market Line
Freecall: 1800 631 002
Web: www.brisbanemarket.com.au

Melbourne

Victorian Chamber of Fresh Produce Wholesalers Inc.
Mail Box 113
542 Footscray Road
FOOTSCRAY VIC 3011
Ph: (03) 9689 3233; Fax: (03) 9689 9223

Perth

Perth Market Authority
Mail Point 1
280 Bannister Road
CANNING VALE WA 6155
Ph: (08) 9455 2900; Fax: (08) 9455 2902

Sydney

Sydney Markets Ltd
PO Box 2
SYDNEY MARKETS NSW 2129
Ph: (02) 9325 6200; Fax: (02) 9325 6288
E-mail: sydma@sydneymarkets.com.au
Web: www.sydneymarkets.com.au

Market agents

Several agents at the markets in each state handle papaws. You can obtain a list of registered agents at each market from the relevant market trade association.

Adelaide Produce Market Ltd
Diagonal Road
POORAKA SA 5095
Ph: (08) 8349 4493; Fax: (08) 8349 6574

Brisbane Market Authority
PO Box 8
BRISBANE MARKET QLD 4106
Ph: (07) 3379 1062; Fax: (07) 3379 4903

Melbourne Markets
Market Box 1
542 Footscray Road
FOOTSCRAY VIC 3011
Ph: (03) 9258 6100; Fax: (03) 9687 7714
Sydney Market Authority
PO Box 2
FLEMINGTON MARKETS NSW 2129
Ph: (02) 9325 6200; Fax: (02) 9325 6288

Lockett Marketing Australia Pty Ltd
PO Box 644
ARCHERFIELD QLD 4108
Ph: (07) 3274 3355; Fax: (07) 3275 2100

Export associations

Australian Horticultural Exporters Association
Institute of Horticultural Development
Private Bag 15
SOUTH EASTERN MAIL CENTRE VIC 3176
Ph: (03) 9210 9380; Fax: (03) 9210 9381; Mobile: 0419 999 889
E-mail: ahea@ahea.com.au
Web: www.ahea.com.au

Queensland Horticultural Exporters Association
PO Box 857
HAMILTON CENTRAL QLD 4007
Ph: (07) 3868 1888; Fax: (07) 3868 4722

AQIS offices

For information on exporting papaws contact an export inspector at the closest office of the Australian Quarantine & Inspection Service, Department of Primary Industry & Energy. The address and contact numbers for these offices are:

Brisbane
GPO Box 778
BRISBANE QLD 4000
Ph: (07) 3246 8755; Fax: (07) 3839 9313

Bundaberg
PO Box 815
BUNDABERG QLD 4670
Ph: (07) 4152 2511; Fax: (07) 4153 1457

Cairns
PO Box 96
Airport Administration Centre
Cairns International Airport
CAIRNS QLD 4870
Ph: (07) 4030 7800; Fax: (07) 4035 9578
Gladstone
PO Box 1682
GLADSTONE QLD 4680
Ph: (07) 4976 0729; Fax: (07) 4976 0781

Mackay
PO Box 96
MACKAY QLD 4740
Ph: (07) 4957 6388; Fax: (07) 4953 2309

Townsville
PO Box 1085
TOWNSVILLE QLD 4810
Ph: (07) 4722 2688; Fax: (07) 4778 4796

**Inspections for interstate movement**

Contact your nearest plant health inspector for information about movement of plants and fruit interstate. The inspector can also give you contacts for inspectors who can supervise treatments for movement of produce interstate.

To find your nearest plant health inspector, ring the DPI Call Centre 13 25 23 from 8 a.m. to 8 p.m. Monday to Friday, excluding public holidays, for the cost of a local call in Queensland. Callers outside Queensland can ring (07) 3404 6999.

Bowen

**Bowen Research Station**
PO Box 538
BOWEN QLD 4805
Ph: (07) 4785 2255; Fax: (07) 4785 2427

Brisbane

**Department of Primary Industries**
Locked Bag 4
MOOROOKA QLD 4105
Ph: (07) 3362 9450; Fax: (07) 3362 9699

Bundaberg

**Bundaberg Research Station**
MS 108 Ashfield Road
BUNDABERG QLD 4670
Ph: (07) 4155 6244; Fax: (07) 4155 6129

Cairns

**Department of Primary Industries**
PO Box 652
CAIRNS QLD 4870
Ph: (07) 4052 3283; Fax: (07) 4052 3080
Innisfail
Centre for Wet Tropics Agriculture
PO Box 20
SOUTH JOHNSTONE QLD 4859
Ph: (07) 4064 2634; Fax: (07) 4064 2716

Mareeba
Centre for Tropical Agriculture
PO Box 1054
MAREEBA QLD 4880
Ph: (07) 4092 8557; Fax: (07) 4092 8560

Nambour
Maroochy Horticultural Research Station
PO Box 5083, SCMC
NAMBOUR QLD 4560
Ph: (07) 5441 2211; Fax: (07) 5441 2235

Rockhampton
Department of Primary Industries
PO Box 6014, RMC
ROCKHAMPTON QLD 4702
Ph: (07) 4936 0216; Fax: (07) 4936 2453

Information on interstate movement provisions
Requirements for interstate movement change rapidly. To allow you to get the latest information we have included the contacts for each state below.

Australian Capital Territory
Quarantine & Inspection Officer
Environment ACT
PO Box 1038
TUGGERANONG ACT 2901
Ph: (02) 6207 2265; Fax: (02) 6207 2268

New South Wales
Regulatory Operations Coordinator (Plants)
Locked Bag 21
ORANGE NSW 2800
Ph: (02) 6391 3583; Fax: (02) 6391 3605

Northern Territory
Senior Inspector (Interstate Quarantine)
Department of Primary Industries and Fisheries
BERRIMAH NT 0801
Ph: (08) 8999 2138; Fax: (08) 8999 2111
Queensland

Senior Operational Support Officer
Department of Primary Industries
GPO Box 46
BRISBANE QLD 4001
Ph: (07) 3239 3330; Fax: (07) 3211 3293

South Australia

Program Leader—State Quarantine Inspection Service
46 Prospect Road
PROSPECT SA 5082
Ph: (08) 8344 1203; Fax: (08) 8344 6033

Tasmania

Senior Quarantine Officer
Quarantine Centre
PO Box 347
NORTH HOBBART TAS 7022
Ph: (03) 6233 3036; Fax: 6234 6785

Victoria

Senior Officer
Plant Standards Branch
Natural Resources & Environment
Private Bag 15 SEMC
KNOXFIELD VIC 3176
Ph: (03) 9687 5627; Fax: (03) 9687 6746

Western Australia

Senior Inspector
Western Australian Quarantine & Inspection Service
280 Bannister Road
CANNING VALE WA 6155
Ph: (08) 9311 5320; Fax: (08) 9456 0206

Queensland government services

Information on papaw growing can be obtained from the following DPI offices of the Queensland Horticulture Institute.

Papaw technical enquiries (commercial growers only)

Innisfail
PO Box 20
SOUTH JOHNSTONE QLD 4859
Ph: (07) 4064 1130; Fax: (07) 4064 2249
Nambour
PO Box 5083 SCMC
NAMBOUR QLD 4560
Ph: (07) 5441 2211; Fax: (07) 5441 2235

Rockhampton
PO Box 5545
ROCKHAMPTON QLD 4702
Ph: (07) 4923 8187

**Consumer Affairs Queensland**

Consumer Affairs officers manage the *Trade Measurement Act 1990*, and can provide current information on marking packages and the requirements for ensuring correct weight in all packages. You can locate your nearest office or obtain information by contacting them on:

Ph: (07) 3836 0411; Fax: (07) 3836 0424

**Land vegetation management officers**

Land vegetation management officers are available for expert assistance with vegetation and tree management; including the retention and management of remnant vegetation, vegetation management planning, tree use on farms including windbreak design and species selection, clearing, non-industrial farm forestry and forest enrichment. Your local office of the Department of Natural Resources (DNR) can put you in contact with your nearest land vegetation management officer, where available.

**Land conservation extension officers**

Land conservation extension officers are available in some districts to provide advice on land management. Your local office of the Department of Natural Resources (DNR) can put you in contact with your nearest land conservation officer, where available.

**Water extension advice**

Department of Natural Resources (DNR) officers can provide advice on most aspects of water use on farms including dam construction and maintenance, stream licensing, bore development, irrigation selection, water quality and farm drainage problems. Your local office of the Department of Natural Resources can put you in contact with the nearest office where this advice is available.

**Farm financial counselling service**

In Queensland, DPI provides business advisory services to producers who are in difficulty from continuing environmental and economic
pressures. Trained counsellors can help in the analysis of financial situations and the development of business plans. Your local DPI office or the DPI Call Centre, telephone 13 25 23, can put you in contact with your nearest financial counsellor.

**Library and literature search services**

DPI Central Library in Brisbane provides several special information services that may be of interest to growers. These include:

- access to the library’s extensive book and journal collection
- on-line public access catalogue (OPAC) terminals which provide access to the DPI library catalogue and to material held in the State Library of Queensland
- literature searches (fee charged) from CD-ROM databases for a comprehensive range of subjects.

General enquiries can be directed to:
Ph: (07) 3239 3126; Fax: (07) 3239 3128

**Other information sources**

**DPI Call Centre.** To help you access DPI’s information services and products, ring the DPI Call Centre 13 25 23 from 8 a.m. to 8 p.m. Monday to Friday, excluding public holidays, for the cost of a local call. Callers outside Queensland can ring (07) 3404 6999.

**AgriInfonet** is a DPI marketing information access service aimed at assisting small to medium agricultural enterprises search for new business opportunities in export markets. Information on the range of services can be obtained from:

AgriInfonet Project Leader
Rural Market Development
GPO Box 46
BRISBANE QLD 4001
Ph: (07) 3239 3307; Fax: (07) 3221 3896

**DPI’s web site** provides access to relevant information services and products within DPI and on other relevant web sites. The address is:
http://www.dpi.qld.gov.au

**Infostope—pest management system on CD-ROM**

This DPI product is available from:
Infostope Marketing Manager
DPI Animal & Plant Health Services
GPO Box 46
BRISBANE QLD 4001
Ph: (07) 3239 3967; Fax: (07) 3211 3293
E-mail: infostope@dpi.qld.gov.au
Business planning advice—Queensland Government

Department of Tourism, Small Business & Industry
111 George Street
BRISBANE QLD 4000
Ph: (07) 3224 8568
Ring 13 26 50 for business centres outside Brisbane

Department of Economic Development & Trade
Investment Office
100 George Street
BRISBANE QLD 4000
Ph: (07) 3224 4224; Fax: (07) 3229 7348

Quality management training and information

Approved Supplier Program

The publication Developing an Approved Supplier Program for fresh produce—a guide for customers and suppliers is available from the Horticulture Quality Management Group, Queensland Horticulture Institute, DPI, 80 Meiers Road, Indooroopilly, Qld 4068. Ph: (07) 3896 9865; Fax: (07) 3896 9677. (Cost: $6.)

Training workshops on implementing an Approved Supplier Program are conducted from time to time. For further information contact one of the following officers from the DPI Queensland Horticulture Institute:

Jason Cook  Brisbane  Ph: (07) 3896 9865; Fax: (07) 3896 9677
Scott Ledger  Brisbane  Ph: (07) 3896 9867; Fax: (07) 3896 9677
John Bagshaw  Brisbane  Ph: (07) 3896 9861; Fax: (07) 3896 9677
John Maltby  Bundaberg  Ph: (07) 4155 6244; Fax: (07) 4155 6129

HACCP

The DPI Centre for Food Technology (CFT) runs a three-day HACCP training course specifically for the horticulture industry. This course is recognised by AGWEST Trade and Development (who manage SQF 2000C) as an approved HACCP training course.

For more information contact:

David Licence  Nambour  Ph: (07) 5430 4930; Fax: (07) 5430 4994
Matt Rogers  Townsville  Ph: (07) 4722 2661; Fax: (07) 4778 2970
HACCP-based quality management standards or codes

The contacts listed previously can provide information and advice about these quality management standards or codes.

Copies of the SQF 2000™ Quality Code and further information about SQF 2000™ can be obtained from:

**AGWEST Trade & Development**
3 Baron-Hay Court
SOUTH PERTH WA 6151
Ph: (08) 9368 3382; Fax: (08) 9367 7389

Copies of ISO 9002 (listed as SAA/SNZ HB78:1998) are available from:

**Standards Australia**
PO Box 290
SPRING HILL QLD 4004
Ph: (07) 3216 1355; 1300 654 646; Fax: (07) 3216 0277
Web: www.standards.com.au

Agricultural booksellers

These booksellers specialise in agricultural books:

**D & A Information Services**
648 Whitehorse Road
PO Box 163
MITCHAM VIC 3132
Ph: (03) 9210 7777; Fax: (03) 9210 7788
E-mail: service@dadirect.com.au
Web: www.dadirect.com.au

**DPI Publications**
Department of Primary Industries
GPO Box 46
BRISBANE QLD 4001
Ph: 1800 816 541; Fax: (07) 3239 6509
E-mail: books@dpi.qld.gov.au

**Granny Smith’s Bookshop**
208 Nicholson Road
PO Box 27
SUBIACO WA 6008
Ph: (08) 9388 1965; Fax: (08) 9388 1852
E-mail: granny@aoi.com.au
Contacts through the Yellow Pages

The following Yellow Pages headings cover the main topics for which contacts may be needed. Check the listings under the appropriate heading.

Chemicals/fertilisers

Chemicals, agricultural  
Fertilisers  
Insecticides, herbicides and fungicide  
Lime
Contacts and references

**Chemical suppliers**
Consultants
Farm and agricultural advisory services
Horticultural consultants
Soil conditioners and treatments

**Economics and marketing**
Fruit and vegetable wholesalers
Grain and produce
Transport services

**Equipment, irrigation, machinery**
Agricultural machinery
Engineers
Farm equipment and supplies
Instruments—scientific
Irrigation

**Manufacturers of harvesting and/or grading machinery**
Agricultural machinery
Carriers
Engineers, general
Engineers, manufacturing
Farm equipment and supplies

**Pesticides and spraying**
Aerial spraying
Fertiliser and/or insecticide spreading
Protective clothing
Spray equipment and/or supplies

**Postharvest handling and packaging**
Cool room builders/designers
Cool stores
Food processing and/or packing machinery
Fruit and vegetable packing
Grain and produce packaging materials
Refrigerated transport trucks and equipment
References

Note: This is not an exhaustive list of references for papaw. It consists of references that the authors recommend as important sources of information and reading for the papaw grower. If you require more detailed information on a subject, use the literature search facilities available from most libraries.

DPI information products ................................................... 28
Information products from other sources ................................ 29
Articles, brochures and other items ....................................... 31
General journals and magazines ........................................... 32
Papaw newsletters ............................................................. 33
Other DPI publications ....................................................... 33
Scientific research papers on papaw ........................................ 34

DPI information products

Papaw books and booklets

Papaw growing in South Queensland, O’Hare, P (1993), Department of Primary Industries, Brisbane.

Papaya varieties for Queensland, (1999), Department of Primary Industries, Brisbane.

Other books relevant to papaw growing

Buying the farm for horticulture—site it right (1986), Department of Primary Industries, Brisbane.


Forced-air cooling (2nd edn), Watkins, J.B. & Ledger, S.N. (1990), Department of Primary Industries, Brisbane.


Pesticide application manual (3rd edn), Banks, A., Broadley, R.H., Collinge, M., & Middleton, K. (1990), Department of Primary Industries, Brisbane.


**Videos relevant to papaw growing**

Buying the farm for horticulture—site it right (1986), Department of Primary Industries, Brisbane.

How to construct and maintain contour banks and waterways (1991), Department of Primary Industries, Brisbane.

How to get the most from your spray unit, Department of Primary Industries, Brisbane.

Playing it safe with pesticides (1989), Department of Primary Industries, Brisbane.

**CDs relevant to papaw growing**

Infopest—pest management information system (CD) (2000), Department of Primary Industries, Brisbane.

Prime notes on CD-ROM—Version 10 (2000), Department of Primary Industries, Brisbane.

**Information products from other sources**

**General horticultural books with some relevance to papaw culture and issues**


The complete guide to growing fruit in Australia (5th edn), Baxter, P. (1997), Macmillan, Sydney.
Books on diseases, pests and disorders


Books on organic growing


Workplace health and safety information

These information sheets are available from offices of the Division of Workplace Health and Safety of the Department of Employment, Training and Industrial Relations. You can visit their web site: www.dtir.qld.gov.au

- Manual handling (lifting, repetitive movement, weights, team lifting, correct techniques)
- Noise
- Tractors—safe design, roll-over protection structures (ROPS), safe operation
- Overhead powerlines
- Agricultural bikes
- Chemical safety
- Child safety
- Skin cancer
- Heat stress
- Legislative requirements for farmers
- Welding
- Personal protective equipment
- Electrical equipment
- Machinery guarding
- First aid
- Workplace amenities
- Annual publications
Reports

Fruit and vegetable prices and receivals for Flemington Markets, Sydney
Available from:
Flemington Market Reporting Service
PO Box 1
FLEMINGTON MARKETS NSW 2129
Ph: (02) 9764 3516; Fax: (02) 9763 1773

Prices and throughput for the Brisbane Market
Available from:
Market Information Services
PO Box 229
BRISBANE MARKET QLD 4106
Ph: (07) 3379 4576; Fax: (07) 3379 4103; Mobile: 0417 710 950;
InfoFax: 1902 262 580

Horticultural Research & Development Corporation (HRDC) research reports
Available from:
Horticultural Research & Development Corporation
Level 6, 7 Merriwa Street
GORDON NSW 2072
Ph: (02) 9418 2200; Fax: (02) 9418 1352
E-mail: hrdc@hrdc.gov.au
Web: www.horticulture.com.au

Queensland Fruit & Vegetable Growers (QFVG) annual research report
Available from:
Queensland Fruit & Vegetable Growers
PO Box 19
BRISBANE MARKET QLD 4106
Ph: (07) 3213 2444; Fax: (07) 3213 2467

Articles, brochures and other items

Papaya fruit fly fact sheets
Available from:
Papaya Fruit Fly Task Force
Freecall Hotline: 1800 650 268

Papaya Quality Standards wall chart
Available from:
DPI
PO Box 20
SOUTH JOHNSTONE QLD 4859
Ph: (07) 4064 1130; Fax: (07) 4064 2249
Miscellaneous
The DPI’s Prime notes on CD-ROM has several titles that may be of interest to papaw growers. They include:

- Papaya fruit fly—a major exotic pest of horticulture
- Broad mite in papaya
- Cutworms in papaya
- Fruit spotting bugs in papaya
- Oriental scale in papayas
- Papaya (papaw)—costs and returns—far north coastal region dioecious hybrid varieties
- Papaya ringspot disease
- Papayas—virus and virus-like diseases
- Two-spotted mite in papaya
- Yellow peach moth in papayas
- Queensland and cucumber fruit flies in papaya

General journals and magazines

Fruit & Vegetable News
The official journal of the Queensland Fruit & Vegetable Growers. It is posted free on request to all Queensland fruit and vegetable growers.

Available from:
QFVG
PO Box 19
BRISBANE MARKETS QLD 4106
Ph: 1800 654 222
The Growers’ Access Line numbers are:
Ph: 1800 654 222; Fax: 1800 650 196
E-mail: qfvg@qfvg.org.au
Web: www.qfvg.org.au

Good Fruit & Vegetables
PO Box 160
PORT MELBOURNE VIC 3207
Ph: 1800 035 351
Papaw newsletters

Papaya Post

An industry bulletin for Queensland papaw growers. It is published three times each year and is posted free on request to all commercial papaw growers. Available from the editor:

DPI
PO Box 20
SOUTH JOHNSTONE QLD 4859
Ph: (07) 4064 1130; Fax: (07) 4064 2249

Other DPI publications

Controlled ripening of papaya, Watkins, J.B. (1981), Department of Primary Industries, Brisbane.

Papaya costs and returns, Thew, R.K. & O'Hare, P.J. (1985), Department of Primary Industries, Gympie.

Papaya postharvest and marketing project—Sydney market study, Hubbard, C.A., MacLeod, W.N.B., O'Hare, P.J. & Thew, R.K. (1986), Report to the OFSGC of the Queensland Fruit & Vegetable Growers.

Marketing of papayas in Melbourne, O'Hare, P.J. (1987), Report to the Gympie Fruitgrowers Association.


Papayas—site selection, plantation layout and land preparation, Dwyer, G.T. & O'Hare, P.J. (1989), Department of Primary Industries, Brisbane.

South Queensland papaya cultivars—a review, O'Hare, P.J. (1992), MHRS Report No.6.


Scientific research papers on papaw

Pesticide application manual, 3rd edn, Banks, A.G. et al. (1990), Department of Primary Industries, Brisbane.


Prices and market throughput on the Brisbane Wholesale Market, Rocklea, Sangster, R. (1992), Department of Primary Industries, Brisbane.
INDEX

Using the index—entries are listed as a section and page reference. For example, **aphids 3:38** means you can find the reference in Section 3 page 38. **HG** refers to the Handy Guides in the front of the kit. **Sup** refers to the Variety Colour Supplement in Section 4.

2,4-D herbicide damage 5:6
2,4-D spray drift 5:20

A
access roads 3:10
action threshold 3:33, 4:47
adjustment technique 3:27
AgrilInfonet 6:23
Agrotis spp. 4:22
Agryrophylax proclinata 3:37
AGWEST Trade & Development 6:25
air shear (misters) 4:39
Amblypelta lutescens 5:10, 5:17
Amblypelta lutescens lutescens 3:33
Amblypelta nitida 3:33, 3:34, 5:10, 5:17
Amblyseius spp. 3:35
ammonium nitrate 3:24, 3:27
Anastatus spp. 4:48
angular leaf spot 5:2
anthracnose HG2:2
Aonidialla orientalis 3:36, 5:13
aphids 3:38
Aphytis melinus 3:37, 4:48, 5:22
Approved Supplier Program 2:7, 4:67, 6:24
AQIS offices 6:18
Arachis pintoi 3:9
Argyrophylax proclinata 4:48
Asperisporium caricae 3:50, 4:51, 5:2, 5:14
assassin bug 3:34, 4:48
Atherton Tableland 3:6
Australian Quarantine and Inspection Service 4:75
axial flow sprayers 4:38
Axonopus compressus 3:9

B
bana grass 3:11
banana-spotting bug 3:34, HG2:1
Batrachedra arenosella 3:36, 4:48
beetle 4:48
beneficial insects 4:48, 6:13. See also assassin bugs;
beetle; black lady beetle; blue lady beetle; caterpillar,
predatory; lady beetle predator; parasitic wasp;
predatory mite; predatory shield bug; tachinid fly
biological control agents 2:8, 4:47, 5:21, 5:22
birds 3:40
bisexual
plants 2:4, 2:6, 5:11
varieties 3:6, 3:16, 3:19, 3:21, 4:4
black fruit rot 5:15
black lady beetle 4:48
blood and bone 4:73, 4:75
blossom-end defect 5:12
blue lady beetle 4:48
books 6:29
booksellers 6:25
DPI publications 6:28, 6:33
research papers 6:34
borax 3:23, 3:25, 5:5, 5:12
boron 2:5, 2:10, 2:11, 3:14, 3:25, HG:1, HG:2
deficiency 3:25, 5:5, 5:12, 5:16
toxicity 3:23, 3:25, 5:6
Brachiaria decumbens 3:9
Brix level 3:42
life cycle 3:36
bromide, methyl 4:55
brown spot 2:9, 4:53, 5:2, 5:9, 5:14
bug, fruitspotting 4:71
business
advice 6:24
plan 3:4
planning 1:4, 1:9
button drippers 4:29

C
calcium 2:5, 3:24, 3:25, 4:36
deficiency 3:25
nitrate 3:24, 3:25, 3:27
sulphate 3:25
toxicity 3:25
Call Centre 6:23
capacitance
probes 3:31
sensors 4:33
capital 1:7
carpellody 5:11
carpet grass 3:9
cat-face 2:10, 5:11
caterpillars 4:48, 5:10
    predatory 4:48
CDs 6:29
Centre for Food Technology 6:24
Cermatulus nasalis 4:48
Chiloconus
    baileyi 3:36, 4:48, 5:22
    circumdatus 3:36, 4:48, 5:22
chimera 5:11
climate 1:8
cold rooms 3:46, 4:59
Comperiella lemniscata 3:36, 4:48, 4:71, 5:21
Conogethes punctiferalis 3:37
consultants
    general 6:7
    irrigation 6:11
    nutrition 6:12
    pest management 6:5
    sap tests 6:7
Consumer Affairs 6:22
controlled droplet application (CDA) sprayers 4:41
cooperatives 3:47
copper 3:14
    hydroxide 4:73, 4:74
Corynespora cassiicola 5:2, 5:9, 5:14
cropping cycle
    central Queensland 3:22
    north Queensland 3:22, HG:2
    south-east Queensland 3:22, HG:1
crown dying 5:16, 5:17
cucumber fly HG2:1
cutworm 2:8, 2:9, 4:18, 4:22, 4:47, 4:48, 5:19, HG2:1

dri
DED T 6:24
deleafing 4:74
DETIR 6:30
dieback 1:4, 2:4, 2:8, 2:9, 2:11, 3:39,
    4:52, 5:5, 5:6, 5:16, 5:17
dimethoate HG2:1
dioecious Sup:F
    lines 2:4
    types 3:6, 4:3
    varieties 3:16, 3:19, 3:21
direct-seeding 2:3, 3:15, 4:18
diseases. See black spot; brown spot; dieback; leaf
    spots; mosaic; papaw ringspot; Phytophthora root
    rot; Phytophthora stem rot; Phytophthora fruit rot;
    powdery mildew; ringspot; ripe fruit rot; stem-end
    rot; watery fruit rot; yellow crinkle
black spot 1:4, 2:8
brown spot 2:9
dieback 1:4
leaf spot 2:11
major 3:38
management 1:7
monitoring 3:33
mosaic 1:4, 2:9
organic management of 4:71
papaw ringspot 1:4
Phytophthora 2:4
powdery mildew 2:9, 3:39
Pythium 2:8
Rhizoctonia 2:8
root rot 1:4, 2:4
diversion banks 3:8
Diviner 4:33
DNR
    land conservation 6:22
    land vegetation management 6:22
    water advice 6:22
dolomite 3:14, 3:24, 3:25, 4:20, 4:73, HG:2
DPI
    AgrilInfonet 6:23
    Call Centre 6:23
    Centre for Food Technology 6:24
    farm financial counselling 6:22
    Infopest CD-ROM 6:23
    information products 6:28
    library 6:23
    Notes 6:32
    web site 6:23
drainage 1:7, 2:3, 2:4
drains 3:8
drip
    irrigation 2:5
    tape 4:29
droplet capture 4:37
dry tissue test 3:29
DTSBI 6:24
E
Encarsia citrina 3:36, 4:48, 5:21
endosulfan HG2:1
Enviroscan 4:31, 4:33
Epsom salts 4:73
equipment 1:8
erosion control 1:7, 3:7
ethylene 4:57, 4:58
    injection 4:59
    ripening 4:59
    safety 4:60
    shot system 4:60
    trickle system 4:59
export 3:47, 4:63
    associations 6:18
    destinations 4:64
    preferences 4:64
F
F1 hybrids 4:15
farm
    financial counselling 6:22
    size 2:2
fenthion HG2:1
fertilisation 3:27
fertiliser 4:20, 4:34, 5:3
annual applications 3:26
application 3:14
central Queensland 3:14
mixed 3:24
north Queensland 3:14
preplant 3:13
program 3:27
south-east Queensland 3:14
fertilising 2:4, HG:1
flowering and fruiting 3:23
planting to flowering 3:23
south-east Queensland 3:23
flower types 4:4
bisexual 4:4
elongata 4:5
female 4:4
intermediate 4:5
male 4:4
pentandria 4:5
flowers
  green 5:10
  ‘selfing’ 4:13
  flying foxes 3:40
food safety 1:9, 2:7
Freshcare 4:68
frost 1:8, 2:8
damage 5:12
fruit
  bumpy/deformed 5:11, 5:12
  chilling injury 5:12
circles on 2:10
cold damage 5:12
gap, on trees 5:16
going rotten 2:10
handling 4:54
intra-ovarian 5:11
  lumps in 2:11
  no seeds 2:6
overcrowding 2:10, 5:12
packing 4:55
postharvest treatment 4:55
production cycle HG:1
quality standards 6:31
set 2:6
size counts 3:45
small 5:11
soft 5:11
spot HG2:2
spots on 2:10
spots/marks on 5:13, 5:14, 5:15
sunburn 5:14
washing 4:54
young drop off 5:16
fruit fly 2:10, 3:38, 3:43, 3:49, 3:50, 4:55, HG2:1
fruit maturity 3:42, 3:45
Brix level 3:42
latex colour 3:42
fruitpiercing moth 3:38, 4:48
fruitspotting bug 1:10, 2:8, 2:9, 3:33, 4:47, 4:48,
  5:10, 5:16, 5:17, HG:1, HG:2
life cycle 3:34
grading 3:44
grasses 2:8, 4:18, 4:48, 5:10
green manure crops 4:71
gross margin 1:6, 2:3, 4:6
growth associations 6:3
biodynamic 6:3
organic 6:3
growing areas 3:6
Gyrion meridionis 4:48
Gympie 1:2
gynodioecious types 4:4
gypsum 3:14, 3:25, 4:73
  blocks 3:31
grading 3:44
HACCP 2:7, 3:47, 4:69, 6:24
  plans 4:68
  quality management standard 4:68
hail damage 5:10
Halms ovalis 3:35, 4:48
harvest 1:6
  duration 4:3
  time 2:4, HG:1
harvesting 3:42, HG:1
frequency 3:43
herbicide 3:32
damage 5:4
hermaphrodite
trees 5:11
types 4:4
varieties 3:6
HRDC 6:31
hydromulching 3:9
income 1:6
Infopest CD-ROM 6:23
information 6:10
government 6:21
Innisfail 1:2, 1:4
insects
  beneficial 5:21, 5:22
  control 4:45
interrow management 3:32
Interstate Certification Assurance 2:6, 3:48, 4:55
interstate movement
  information 6:20
inspections 6:19
interstate quarantine 3:48
iron 3:24
irrigation 2:5, 3:30, 4:29, HG:1, HG:2
design 3:15
installation 3:15
overhead 3:15
rates 3:31
requirements HG:2
scheduling 3:31, 4:31
system 4:29
timing 3:31
trickle 3:15
under-tree minisprinklers 3:15
water requirement 3:31
ISO 9002 4:69

J
Japanese millet 3:9
journals 6:32

L
laboratories
sap tests 6:7
soil and plant tests 6:8
labour 1:4, 1:8
lady beetle predator 5:21
land preparation 3:11, HG:2
leaf 3:27
analysis 3:23, 3:27, 4:36, HG:1
spot 2:11, 3:40
leaf diseases HG2:2
leafhoppers 3:40, 4:53
leaves
brown margins 2:9
crown 2:9
deformed 2:9
distorted/twisted 5:5, 5:6, 5:7
falling off 2:11
mottled 2:9, 5:7, 5:8
shrivelled 2:9
spots/marks on 5:2, 5:3
stalks distorted/cracked 5:10
stalks, spots/marks on 5:9, 5:10
yellow 2:8, 5:3, 5:4, 5:5
Leveillula taurica 5:2
levies 3:47
library 6:23
lightning strike, on plants 5:18
lime 3:14, 3:24, 3:25, 4:20, 4:73
Lindores lophanthae 3:36, 4:48
loopers 4:48, 5:10

M
machinery 1:8
magazines 6:32
magnesium 2:5, 3:24, 3:25, 4:36
deficiency 3:25, 5:3
oxide 3:25
sulphate 3:25, 3:27
toxicity 3:25
Maku lotus 3:33
manure 4:75, HG:1
green crops 4:73
poultry 3:26
Mareeba 1:2
market 1:2, 1:3, 2:6, 3:5
agents 6:17
information 6:14
knowledge of 4:62
opportunities 4:62
prices 6:15
throughput 1:5
marketing 1:9, 2:6, 3:46
changing needs 4:61
cooperative 4:62
coordinator 4:62
Material Safety Data Sheets (MSDS) 4:43
Metaphycus spp. 4:48
micropropagation 4:24
microsprinklers 2:5, 4:29
mite, predatory 4:71
mites 3:24
control 4:45
molasses 4:75
mono-ammonium phosphate 3:27
mounding 1:7, 2:4
mounds 3:8, 3:12, 3:39, 4:74
mulch 3:18, 4:18
organic 3:18, 3:32
plastic 3:15, 3:16
muriate of potash 3:24, 3:28

N
nematodes 2:10, 3:18
mulching for 3:32
neutron probe 4:33
newsletters 6:33
nitrogen 3:14, 3:24, 3:26, 3:29, 4:36, 4:74, 5:11, HG:1
deficiency 3:23, 3:24, 5:3
excessive 5:11
toxicity 3:24
NPK 3:14, 4:20, HG:2
nutrient 3:24, 4:74
adjustment technique 3:27
balance approach 4:34
deficiencies 5:3
optimum levels 3:29
requirements 4:34, 4:35
nutrition 4:34, 4:71

O
oils 4:73, 4:74
Ooencyrtus sp. 4:48
Opius spp. 4:48
organic
nutrition HG:1
organic growing 1:10
changing to 4:70
growing tips 4:73
myths 4:71
nutrition 4:71
pest and disease control 4:71
production 4:70
production certification 4:75
starting out 4:72
life cycle 3:37

P
packaging 3:45, 6:13
packing 2:7, 3:44
and handling fruit 4:55
pallet handling 4:56
socks 4:56
station 4:55
palletising 4:56
pallets 3:46
papaw
management handy guide 3:22
plant 1:2, 4:3
types 3:6
uses 4:5
quarantine zone 3:17, 3:38
papaw types 4:3
elite/inbred 4:10
F1 hybrid 4:10
open pollinated/common 4:10
red-fleshed bisexual 1:2
yellow-fleshed dioecious 1:2
papaw varieties 4:10. See also varieties
papaya fruit fly fact sheets 6:31
parasitic wasp 4:48, 5:21, 5:22
parasitoids 3:36, 3:37, 5:13
pesticide
application and safety 3:33
pesticides 6:9
pests 3:33. See also banana-spotting bug; broad mite; caterpillars; cutworm; fruit fly; fruitpiercing moths; fruitspotting bug; grasshoppers; loopers; mites; nematodes; oriental scale; Queensland fruit fly; soft brown scale; two-spotted mite; yellow peach moth
biological control 4:48
control 4:45, HG:1, HG:2
cutworm 2:8
fruit flies 2:10
fruitspotting bug 1:10
grasshoppers 2:8
monitoring 3:33, 4:46
nematodes 2:10
organic management 4:71
root-knot nematode 2:9
scale 2:8
two-spotted mite 2:9
vermin 2:8
petioles, nutrient levels 3:26
petroleum oil 3:37, 5:13, HG2:1
pH 4:20
phenoxy herbicide 5:6
Phoma caricae-papayae 5:15
phosphorus 3:14, 3:24, 3:25, 3:26, 4:36, HG:1, HG:2
deficiency 3:24
Phytophthora 2:4, 3:10, 3:13, 3:24, 3:33, 4:19, 4:20, 4:56
fruit rot 4:49, 5:15, HG:2
nicotianae 5:15, 5:18, 5:19
palivora 5:15, 5:18, 5:19
root rot 3:38, 4:50
stem rot 4:49
Phytoseiulus persimilis 3:35, 4:48
picking 3:43
Pinto peanut 3:9, 3:33. See also ground covers
plant
available water capacity 4:29
spacing 2:3, 3:12
plantation
economic life 2:4, 3:41
layout 3:7
productive life 1:6
planting 3:17
material 2:2
on slopes 3:13
seedlings 3:16
seeds 3:16
time 2:3
plants

crown dying 5:16, 5:17
fall over 2:9, 5:19
mature die 5:17, 5:18, 5:19
PLU numbers 3:45
pollination 2:6, 3:10
poor 5:16
Phytophagatromenorum latus 3:35, 5:7, 5:20
postharvest handling 3:43
fruit washing 3:43
fungicide treatment 3:43
insecticide treatment 3:43
deficiency 5:3
nitrate 3:24, 3:27
sulphate 4:75
toxicity 3:24
potting mix 4:20
poultry manure 3:26. See also manure
predators. See Agryrophylax proclinata; Amblyseius spp;
Aphytis melinus; assassin bug; Batrachedra arenosella; Chilocorus spp; Comperiella lemmiscata; Encarsia citrina; Habrus ovalis; Lindores lophanthae; mites; Phytoseiulus persimilis; spiders; Stethorus lady beetles; Telsimia sp.

predatory
lady beetle 4:48
mite 3:35, 4:48, 5:3, HG:2
shield bug 4:48
wasp 3:36
price 1:5, 4:8
Pristhesancus plagipennis 4:48
processing 3:5, 6:11
production
economics 4:6
F1 hybrids 4:15
hybrid/inbred 4:12
organic 4:70
peaks 1:2
'selfing' flowers 4:13
sib cross method 4:14
vegetative 4:23
profit 1:6, 4:8
propagation 4:12, 4:17, 4:24
houses 4:18, 4:23
Proserpine 1:2
Pseudomonas carica-papayae 5:2
Pythium 2:8, 4:19, 4:22
Q
quality assurance 1:9, 2:7
quality management 3:47, 4:65, 6:24
levels of 4:66
need for 4:66
principles 4:66
quarantine 2:7
quarry dust 4:73
Queensland Fruit & Vegetable Growers 6:3, 6:31, 6:32
Queensland fruit fly 4:48, HG:2:1
R
ratooning 2:4, 3:41, 4:74
root rot 3:41
red spider mite HG:2:1
refrigeration 3:46, 4:57
Rhizoctonia 2:8, 4:19, 4:22
ring spot 4:51. See also papaw ring spot
virus type P 3:50
ripe fruit rot 3:40, 5:15
ripening 3:44, 4:59
ethylene 4:59
fruit 2:7
methods 4:59
room 1:7, 2:7, 4:59
time of 4:58
tips 4:58
variable temperature 4:60
with ethylene 3:44
rock
phosphate 4:73
potash 4:73
root rot 1:4, 2:4, 2:8, 2:10, 2:11, 5:18, 5:19
root-knot nematode 2:9
roots, lumpy 2:9
rows
direction 3:12
double 3:12
mark out 3:11
single 3:12
spacing 2:3, 3:12
S
silinity 2:8
sap
analysis 3:29
nitrate 3:29
tests. See consultants; laboratories
scale 2:8, 3:37
Scelio flavicornis 4:48
seed 2:2, 3:6
germination 3:15, 4:18
harvesting 4:16
preparation 4:16
suppliers 6:4
treatment 3:15
seedlings HG:1
containers for 4:20
disease management 4:22
distorted 5:20
dying 5:19
fertilising 4:21
fungal diseases 5:19
hygiene 4:19
mixes 4:19
nurseries 6:5
order 3:16
pest management 4:22
planting time HG:1
raising 4:18
sun hardening 4:22
watering 4:22
seeds
numbers planted 4:21
sowing 4:21
'selfing' flowers 4:13
sex ratio 2:4
sexing plants 2:4
shot ethylene system 4:60
sib cross method 4:14
signal grass 3:9
slope 1:7
sodium borate 3:27
soft brown scale 4:48
soil 1:7
acid 3:25
analysis 3:13, 3:23, 3:27, 4:36
and plant tests. See laboratories
beach sands 3:31
Index

granitic 3:24
kraznozem 3:26, 3:31, 4:30
moisture monitoring 3:31, 4:31
nutrient levels 3:28
pH 3:24
red 3:24
salinity 2:9
sampling kits 3:13
sandy 3:23, 3:24, 3:25
temperature 1:8
type 2:3
volcanic 3:14, 3:31
Soilspec gauge 4:31
Solubor 3:14, 3:23, 3:25, 5:5, 5:12
Sphaerotheca humuli 5:9, 5:13
spider mite 5:3, 5:8
spiders 3:34
spray
burn 2:8, 5:3
drift 2:9, 5:3, 5:4, 5:6
spraying 6:9
calibration 4:42
checklist 4:44
machinery 4:38
pests and diseases 4:37
safety 4:43
SQF 1000SM 4:69
SQF 2000SM 4:69
Standards Australia 6:25
star spot 5:13
stem-end rot 3:40, 4:56, HG2:2
stems, cracking 2:9
Stethorus fenestralis 5:22
Stethorus lady beetles 3:35
Stethorus spp. 4:48
stickers, for fruit 3:45
storage, fruit 2:7
sulphate of potash 3:24
sulphur 4:73, 4:74, 5:3, 5:7, 5:8, 5:20, HG2:1
Sunshine Coast 1:2
supermarket quality management standards 4:69
superphosphate 3:14, 3:24, 4:20
suppliers
beneficial insects 6:13
equipment 6:9
field 6:8, 6:9
general 6:8
packaging 6:13
T

tachinid fly 3:37, 4:48
Telenomus spp. 4:48
Telsemia 5:21
Tellemia sp. 3:36, 4:48
tensiometer 2:5, 3:31, 4:31
using 4:32
Tetranychus urticae 3:35, 5:3, 5:8
thinning trees 3:19
tissue samples 3:23
tomato big bud phytoplasma 5:4, 5:7, 5:17
trace elements HG:1, HG:2
transplants 2:3
transport 3:46
of fruit 4:57
trees
dieback 5:16
drop fruit 2:11, 5:16
dying 2:10, 5:17
flowers 3:19
fruit gap 5:16
sex ratio 3:19
Trichogrammatatoidea spp. 4:48
trickle ethylene system 4:59
trickle irrigation 3:15
two-spotted mite 2:9, 3:35, 4:22, 4:47, 4:48,
5:3, 5:8, 5:22, HG2:1, HG:1, HG:2
life cycle 3:35
U
under-tree minisprinklers 3:15
University of Hawaii 2:2
urea 3:23, 3:24, 3:27, 4:34
V
varieties 2:2, 3:6, 4:11
BB5H 4:4
choosing 3:5
descriptions 4:10
dioecious 1:2
Eksotika 3:5, 4:4
gynodioecious 1:3
Hawaiian Sunrise Solo 2:2
Hybrid 11B 1:4, 2:2, 3:5, 4:4, Sup:C
Hybrid 13 3:5, Sup:D
Hybrid 14 1:4, 2:2, 3:5
Hybrid 1B 1:4, 2:2, 3:5, 4:4, Sup:B
Hybrid 29 1:4, 2:2, 3:5, 4:4, Sup:E
inbred 4:12
New Guinea Red 3:5
Paris X Sunrise Solo 3:5
PG Sup:F
PG lines 1:4, 2:2, 3:5
Richter Gold 2:2, 4:4, Sup:F
Richter Gold selections 3:5
Richter selections 1:4
Solo type 3:49, 3:50
Sunrise Solo 1:4, 2:2, 3:6, 4:4, Sup:A
vermin 2:8
videos 6:29
virus. See papaw ringspot
W
water 1:7, 5:11, HG:1
quality 3:15, 4:42
salinity 3:15
salty 1:8
stress 3:30
waterlogging 1:7, 2:5, 5:19
Index

waterways
  grassed 3:9
  maintenance 3:10
  stabilisation 3:9
watery fruit rot 3:40
weeds 4:18
  common bracken 3:32
  control 3:15, 3:32, 4:71, 4:74
  grasses 3:32
wholesale market 1:3
wilting 4:49
wind 1:8, 4:49, 5:16
windbreaks 1:8, 3:10, 3:13
  design 4:25
  tree species 4:28
winter spot 5:13
workplace health and safety 6:30

Y
Yarwun 1:2
Yellow Pages 6:26
yellow peach moth 3:37, 4:48, HG2:1
  larvae 4:47
  life cycle 3:38
yield 1:5, 4:8

Z
zinc 2:5, 3:14, 3:25, HG:2
  deficiency 3:25
zinc sulphate 3:27
  heptahydrate 3:14, 3:25
  monohydrate 3:25