CVAP

Climate Variability in Agriculture R&D Program

factsheet Update G1

The Climate Variability in Agriculture R&D Program (CVAP) is a national program targeting the Australian agricultural sector. The current phase of the program concludes on 30 June 2002. A new phase is being developed with potential partners. The original program goal was to work with the sector and prepare it to respond to the major opportunities and risks arising from climate variability. This has been achieved by developing and implementing response strategies which are more profitable and sustainable. For more information on CVAP and these factsheets go to the CVAP website at **<www.cvap.gov.au>.**

This factsheet is the master list of the CVAP series published in mid-1999 and updated in May/June 2002. There are four factsheets in the general CVAP Program category (G). The remaining codes refer to the four CVAP objectives and include all new projects funded mid-1999, together with some continuing and recently-completed projects from earlier phases of CVAP. The categories are as follows:

G = General CVAP information
C = Climate Forecasting and Impacts
A = Adaptive Systems
M = Marketing Climate Information
IE = Industry and Extension

General Factsheets

- **G1** *Factsheet list*—Updated (June 2002)
- **G2** *About CVAP* (a summary of CVAP, its origins, as well as major objectives) —Original
- **G3** *Climate Variability Publications* (a listing of the LWA CV Series) —Original
- **G4** *From chance to choice*—using seasonal climate forecasts in decisions —Original

Objective 1 Climate Prediction and Impacts

- **C1** *From oceans to farms*—integrated management of climate variability (CTC16) Andrew Ash, CSIRO Tropical Agriculture—Original and Updated (May 2002)
- **C2** *Can decadal climate variability impact on cropping systems management?* (QPI44) Holger Meinke, Queensland Department of Primary Industries (QDPI)/Agricultural Production Systems Research Unit (APSRU)—Original, for Extended Project see C9
- **C3** *Extended seasonal climate predictions using a dynamical climate model* (COR5) Gary Meyers, CSIRO Marine Research and Neville Smith, Bureau of Meteorology (BoM) —Original and Updated (June 2002)
- **C4** *Improved climate prediction during El Nino events* (BOM4) Bill Wright, National Climate Centre, BoM —Original and Updated (June 2002)
- **C5** *Effective implementation, adoption and utilisation of new climate model results* (BOM5) Mary Voice, National Climate Centre, BoM—Original and Updated (May 2002)
- **C9** *Can decadal climate variability (DCV) be predicted?* (QP144)—This is an entension of Project C2—Original and Updated (May 2002)
- **C10** *The influence of north-west cloudbands on eastern Australia rainfall* (UWA23)—Original and Updated (June 2002)

Objective 2 Adaptive R&D Focus

- **A1** *Search for innovative adaptations to climate variability* (CIC3) Gavin Atkins, Cox Inall Communications—Original and Updated (June 2002)

Objective 3 Marketing Climate Information

- **M1** *Better management of climate variability within the agribusiness service sector* (CTC18) Peter Carberry, CSIRO/APSRU—Original and Updated (June 2002)
- **M2** *Enhanced framework for analysing climate variability and its impacts for policy purposes* (BRS7) Greg Laughlin, Bureau of Rural Sciences (BRS) —Original and Updated (May 2002)
- **M3** *Survey of agricultural climate research, development and services in Australia* (DAN12) Graeme Tupper, NSW Agriculture—Original
- **M4** *SILO: an agrometeorological information service for rural communities* (QNR3) Alan Beswick, Queensland Department of Natural Resources —Original, see M12 for Extended Project Update
- **M5** *Seasonal climate information and farmers' risk assessment and decision making* (UQL20) Len Dalgleish, University of Queensland—Original
- **M7** *'RISKHerd'Do Government policy instruments support sustainable grazing on-farm in the rangelands?* (CWE23) Mark Stafford-Smith, CSIRO Wildlife and Ecology—Original and Updated (June 2002)
- **M8** *Improving the communication of climate information to dairy farmers* (VIR5) Greg Hayes, Virtual Consulting Group Australia (with Dairy R&D Corporation)—Original and Updated (June 2002)
- **M10** *CLIMARC—Computerising the Australian climate archives* (QPI43) Nick Clarkson, Queensland Centre for Climate Applications (QCCA)/QDPI—Original and Updated (May 2002)

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- **M11** *SILO tailored to user's locations and preferences for presentation* (BOM6) —Original and Updated (June 2002)
- **M12** *SILO II—Extension, Marketing and Industry Focused Product Development* (QNR24)—Original and Updated (June 2002)

Workshops

- **M9** *A century's perspective on climate variability and impacts on agriculture* (BOM3) Bill Wright, National Climate Centre, BoM—Original and Updated (June 2002)
- **M9** *Innovative workshops to improve understanding of price and climate variability* (UWA21) Ross Kingwell, CLIMA, University of Western Australia —Original and Updated (June 2002)
- **M9** *International workshop on farm management decisions with climatic risk* (QPI42) Rod Saal, QCCA/QDPI, with the Australian Centre for International Agricultural Research (ACIAR) —Original and Updated (June 2002)

Objective 4 Extension and Value of Applications

- **IE1** *Strategies to cope with climate variability in the perennial pasture zones of south-eastern Australia* (VCE14) Stephen Clark, Victorian Department of Natural Resources and Environment (DNRE)—Original and Updated (June 2002)
- **IE2** *Improving sugar industry competitiveness using seasonal climate forecasting* (SRC6) Russell Muchow, CSIRO Tropical Agriculture (with Sugar R&D Corporation) —Original and Updated (June 2002)
- **IE6** *Can seasonal climate forecasting prevent degradation of Australia's grazing lands?* (QNR14) Greg McKeon, QCCA/QDPI—Original and Updated May 2002
- **M6** *Improved management of climatic risk on Australian grain farms* (HRM1) Peter Wylie, Horizon Rural Management —Original and Updated (May 2002)

Selected Projects (prior to Phase 3)

- **C6** *Australian grassland & rangeland assessment by spatial simulation— 'Aussie Grass'* (QNR9) Wayne Hall, Queensland Department of Natural Resources (QDNR)—Original and Updated (June 2002)
- **C7** *Seasonal Streamflow forecasts to improve management of water resources —RAINMAN Steamflow project* (QPI39) Nick Clarkson, QDPI/QDNR, with RIRDC —Original and Updated (May 2002)
- **C8** *Further development & application of Australian Rainman to improve management of climate variability* (RDC7) Jeff Clewett, QCCA/QDPI, with RIRDC —Original and Updated (May 2002)
- **IE3** *Extension of the results of fertiliser research to graziers by development of a pasture nutrition* (WRD2) Richard Simpson, CSIRO Plant Industry —Original and Updated (June 2002)
- **IE4** *DroughtPlan CD* (CWE8) David Cobon, Queensland Centre for Climate Applications—Original and Updated (May 2002)
- **IE5** *Evaluating the role of seasonal climate forecasting in tactical management of cropping systems in north-east Australia* (QPI38) Roger Stone, QCCA/APSRU (with GRDC and RIRDC) —Original and Updated (June 2002)
- **IE7** *Climate & fisheries on the SE Australian continental shelf and slope* (FRD2) Tony Koslow, CSIRO Marine (with Fisheries R&D Corporation) —Original

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About CVAP

CVAP, administered and supported by Land and Water Australia, has had Agriculture, Fisheries and Forestry—Australia as the major stakeholder. Four other R&D Corporations also supported CVAP—Grains, Rural Industries, Sugar and Dairy R & D Corporations. Several other R & D Corporations have co-funded projects in previous phases of CVAP (then known as the National Climate Variability R&D Program—NCVP). For more information on CVAP, contact the CVAP Coordinator, Barry White (see P1), or go to the CVAP website at **<www.cvap.gov.au>.**