

## Special Issue: Making Better Fertiliser Decisions for Cropping Systems in Australia

### Foreword

*Martin Blumenthal, Nick Drew*

i

### Making Better Fertiliser Decisions for Cropping Systems in Australia: an overview

*Simon D. Speirs, Doug J. Reuter, Ken I. Peverill, Ross F. Brennan*

417

### Methodologies for assembling and interrogating N, P, K, and S soil test calibrations for Australian cereal, oilseed and pulse crops

*Graeme Watmuff, Doug J. Reuter, Simon D. Speirs*

424

### Methodology for online biometric analysis of soil test–crop response datasets

*Chris B. Dyson, Mark K. Conyers*

435

### Soil nitrogen—crop response calibration relationships and criteria for winter cereal crops grown in Australia

*Michael J. Bell, Wayne Strong, Denis Elliott, Charlie Walker*

442

### Soil phosphorus tests I: What soil phosphorus pools and processes do they measure?

*Philip W. Moody, Simon D. Speirs, Brendan J. Scott, Sean D. Mason*

461

### Soil phosphorus tests II: A comparison of soil test–crop response relationships for different soil tests and wheat

*Simon D. Speirs, Brendan J. Scott, Philip W. Moody, Sean D. Mason*

469

### Soil phosphorus—crop response calibration relationships and criteria for winter cereal crops grown in Australia

*Richard Bell, Douglas J. Reuter, Brendan J. Scott, Leigh Sparrow, Wayne Strong, the late Wen Chen*

480

### Soil phosphorus—crop response calibration relationships and criteria for oilseeds, grain legumes and summer cereal crops grown in Australia

*Michael J. Bell, Philip W. Moody, Geoffrey C. Anderson, Wayne Strong*

499

### Soil potassium—crop response calibration relationships and criteria for field crops grown in Australia

*Ross F. Brennan, Michael J. Bell*

514

### Soil sulfur—crop response calibration relationships and criteria for field crops grown in Australia

*Geoffrey C. Anderson, Ken I. Peverill, Ross F. Brennan*

523

### An extension perspective—increasing the adoption of more reliable soil test interpretation

*Chris W. Dowling, Simon D. Speirs*

531

### Making Better Fertiliser Decisions for Cropping Systems in Australia (BFDC): knowledge gaps and lessons learnt

*Mark K. Conyers, Michael J. Bell, Nigel S. Wilhelm, Richard Bell, Robert M. Norton, Charlie Walker*

539