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Glossary and abbreviations list

| | |
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| 2004–05 | The financial year 2004–05; that is, 1 July 2004 to 30 June 2005. |
| ABARE | Australian Bureau of Agricultural and Resource Economics |
| ACAS | Australian Crop Accreditation System |
| ACIAR | Australian Centre for International Agricultural Research |
| ACRCP | Australian Cereal Rust Control Program |
| agroecological zone | A region defined by a characteristic interrelationship between agronomy/farming systems and various environmental features, not just climate. It is broader than an agroecosystem. |
| ANAO | Australian National Audit Office |
| AOP | Annual Operational Plan |
| APSIM | Agricultural Production Systems Simulator |
| Australian Hard | A wheat quality classification for wheat varieties that meet certain stringent requirements that result in high-quality flours suitable for a wide range of European breads, Middle Eastern flat breads and a number of Asian products. |
| AWCMMP | Australian Winter Cereal Molecular Marker Program |
| biotransformation | <p>The conversion of one natural product to another natural product using biological means.</p> <p>A revolutionary shift in the chemical industry worldwide, away from petrochemical feedstocks and towards biological catalysts. This shift is being driven by diminishing petrochemical resources, concerns about high-energy/high-waste chemical manufacturing processes, and increasing demand for complex chemical products which can be made only by biological catalysts.</p> |
| CAC Act | The <i>Commonwealth Authorities and Companies Act 1997</i> , which is complemented by the Commonwealth Authorities and Companies (Report of Operations) Orders 2005—orders made by the Finance Minister concerning the report of operations component of annual reporting. |
| CIMMYT | International Maize and Wheat Improvement Centre |
| corporate governance | The management process concerned with structures and processes for decision making, and with organisational controls and behaviours that support effective accountability for performance outcomes. |
| corporation, the | Grains Research and Development Corporation |
| COS | carbonyl sulphide |
| CRC | Cooperative Research Centre |
| CSIRO | Commonwealth Scientific and Industrial Research Organisation |
| DAFF | Australian Government Department of Agriculture, Fisheries and Forestry |
| DArT | Diversity Arrays Technology |
| Department of Agriculture, Fisheries and Forestry | The Australian Government department that, among other things, manages portfolio responsibilities for rural R&D corporations. |
| doubled haploid | A double haploid plant has cells containing two chromosome sets that are identical. |

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| | <p>The GRDC Five Year Research and Development Plan 2002–07. The plan was prepared under the provisions of the PIERD Act (among other things) and approved by the Minister, and reflects ministerial directions, Australian Government policy, and extensive consultation with the grains industry.</p> <p>The plan is designed to be the principal source of information about the GRDC's policies, programs and operations. It describes the GRDC; defines its business environment and key factors for the period to 2007; lays down, in the context of the business environment, the GRDC's planned outcomes and strategic priorities for investing in R&D; and outlines the strategies that the GRDC intends to adopt to achieve those outcomes.</p> <p>Each year the plan is reviewed and its objectives are addressed in an annual operational plan.</p> |
| effectiveness | <p>In the context of the CAC Act, the extent to which an Australian Government authority has achieved the objectives or discharged the functions, as the case requires, set out in its enabling legislation.</p> |
| efficiency | <p>In the context of the CAC Act, the extent to which an Australian Government authority has maximised the outputs produced from a given level and quality of inputs or minimised the inputs used to produce a given level and quality of outputs.</p> |
| EMS | <p>Environmental Management System</p> |
| EMT | <p>GRDC Executive Management Team</p> |
| environmental management system | <p>A rigorous management process that primary producers can use to improve and document their environmental management practices.</p> |
| EPBC Act | <p>The <i>Environment Protection and Biodiversity Conservation Act 1999</i>, which promotes ESD and seeks to conserve biological diversity through an effective, efficient national approach to environmental management at all levels of government.</p> |
| EPR | <p>End Point Royalties</p> |
| ESD | <p>ecologically sustainable development</p> |
| extension | <p>The communication of knowledge, processes and/or technology to the grains industry, other stakeholders and the community.</p> |
| farm cash income | <p>Total revenues received by the farm business during the financial year: farm cash income = total cash receipts – total cash costs.</p> <p>Total cash costs include payments made by the farm business for materials and services and for permanent and casual hired labour (excluding owner–manager, partner and family labour).</p> |
| FOI Act | <p><i>Freedom of Information Act 1982</i></p> |
| GCA | <p>Grains Council of Australia</p> |
| GMO | <p>genetically modified organism</p> |
| GRDC | <p>Grains Research and Development Corporation</p> |
| ICARDA | <p>International Centre for Agricultural Research in the Dry Areas</p> |
| inputs | <p>Resources—in the form of people, expertise, materials, energy, facilities and/or funds—that the GRDC and its R&D partners use in activities to produce outputs.</p> |
| IPM | <p>Integrated Pest Management</p> |
| ISO | <p>The International Organization for Standardization, against whose quality management standard the GRDC is certified.</p> |

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| IT | information technology |
| leviable crops | Crops on which a levy is paid to support the work of the GRDC, namely: <ul style="list-style-type: none"> • wheat • coarse grains—barley, oats, sorghum, maize, triticale, millets/panicums, cereal rye and canary seed • pulses—lupins, field peas, chickpeas, faba beans, vetch, peanuts, mung beans, navy beans, pigeon peas, cowpeas and lentils • oilseeds—canola, sunflower, soybean, safflower and linseed. |
| lines of business | Within in an organisation, groups defined on the basis of common business activities and deliverables. |
| MAS | Marker-Assisted Selection |
| Minister, the | The Australian Government Minister for Agriculture, Fisheries and Forestry, within whose portfolio the GRDC is established. See also 'ministerial powers'. |
| ministerial powers | Powers exercised under the provisions of legislation (especially the PIERD Act) by the Minister for Agriculture, Fisheries and Forestry, the Parliamentary Secretary to the Minister, or any other relevant minister of the Australian Government. |
| Montreal Protocol | An international protocol on substances that deplete the ozone layer, designed to protect the stratospheric ozone layer. |
| MRL | maximum residue limit |
| NAPSWQ | National Action Plan for Salinity and Water Quality |
| NIR | Near Infrared (Spectroscopy) |
| NMI Program | Nutrient Management Initiative Program |
| NVT | National Variety Trials |
| opportunity cropping | Planting decisions made on the basis of available soil moisture and attractive prices. This strategy is practised mainly in Northern Australia, where there is no fixed season for single cropping (growing only one crop on a particular piece of land). |
| outcome | The intended results or consequences of actions by the GRDC and its R&D partners for the grains industry and for Australia's economic, environmental and social resources. The GRDC's outcome for 2004–05, as described in the Australian Government Department of Agriculture, Fisheries and Forestry Portfolio Budget Statement, is: 'through its commitment to innovation, an Australian grains industry that is profitable and environmentally sustainable for the benefit of the industry and wider community'. |
| outputs | The goods and services (mainly knowledge, processes and technology) that the GRDC and its R&D partners produce for external organisations or individuals. |
| PA | Precision Agriculture |
| parliamentary secretary, the | The Parliamentary Secretary to the Minister for Agriculture, Fisheries and Forestry, who exercises ministerial powers in relation to rural R&D corporations. |
| pathways to market | The series of targets needing to be achieved to ensure the GRDC's R&D efforts result in products and services that can be utilised by Australian graingrowers. |
| performance | Demonstrated proficiency in acquiring resources economically and using these resources efficiently and effectively in achieving the GRDC's outcomes. |
| performance indicator | An agreed specification for measuring performance. |

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| PIERD Act | The <i>Primary Industries and Energy Research and Development Act 1989</i> , which is the GRDC's enabling legislation. |
| precision agriculture | The use of spatial information (such as yield maps) to better match crop agronomy techniques, such as fertiliser application, to paddock variability. |
| proof of concept | Experimental evidence that a particular idea, system or technique is workable, usually demonstrated on a small scale and/or in a model system. |
| quality management | The management of all activities through a systematic and determined focus on continual improvement, above minimum levels of performance set by a formal quality management standard. The quality management standard against which the GRDC was certified when this report was published was ISO 9001:2000. |
| R&D | research and development |
| rate of return | Farm profit as a percentage of farm capital. |
| receival standards | Criteria applied at the point of grower delivery of grain to the handling/marketing system. Receival standards cover quality attributes (for example, variety, protein, moisture, screenings and so on, in the case of wheat), set allowable levels of defective grains, and set limits on contaminants such as weed seeds, insects and non-millable material. Receival standards are crop-specific and differ for various quality grades. |
| research partners | Individuals or organisations investing in or undertaking R&D activities. |
| RWA | Russian wheat aphid |
| SARDI | South Australian Research and Development Institute |
| Single Vision | <i>Towards a Single Vision for the Australian Grains Industry: The Australian Grains Industry Strategy 2005–25</i> |
| stakeholders | People, organisations or groups with an interest or stake in a line of business. In broad terms, the GRDC's two stakeholders are the Australian grains industry and the Australian Government. |
| <i>The Way Forward</i> | The GRDC strategic business plan. |
| WAHRI | Western Australia Herbicide Resistance Initiative |

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