

TABLE 1 GRDC PROJECTS IN SOIL BIOLOGY**Theme 1: Microbial inoculants**

Project number	Supervisor	Title	Budget July 01 – June 07
UF00002	Chris Franco Flinders University	Application of actinomycete endophytes for improved grain yields	883,718
DAS00036	Kathy Ophel-Keller SARDI	Tri-inoculation for enhanced wheat growth under disease limiting conditions	368,588
CSP00050	Mark Peoples CSIRO	Quantifying the effect of hydrogen gas on soil biota and crop performance	730,427
CSO223	Maarten Ryder CSIRO	Inoculants for growth promotion of cereals	249,422
GBE00003	Greg Bender Coordinator	Field evaluation of inoculant products (2001-03)	170,000
RJH00001	Bob Hannam Consultant	Field evaluation of inoculant products (2003-07)	359,740
		Total	\$2,761,895

Theme 2: Root diseases

Project number	Supervisor	Title	Budget July 01 – June 07
DAS00027	Kathy Ophel-Keller SARDI	Understanding suppressive soils	446,176
CSO00016	Paul Harvey CSIRO	Managing pythium to improve yield	644,592
CSO00032	Paul Harvey CSIRO	Management of irrigated maize residues for disease control	250,515
		Total	\$1,341,283

Theme 3: Organic matter and nutrition

Project number	Supervisor	Title	Budget July 01 – June 07
CSO00029	Jan Skjemstad CSIRO	Management of organic matter fractions for productivity	599,217
CSO00030	Jeff Baldock CSIRO	A new approach to defining nitrogen availability to crops	1,290,093
UA00062	Ann Mcneill University of Adelaide	Biological cycling of phosphorous in farming systems	599,959
CSP245	Margaret Roper CSIRO	Influence of tillage practice on biological activity and organic matter	589,803
		Total	\$3,079,072

Theme 4: Rhizosphere

Project number	Supervisor	Title	Budget July 01 – June 07
CSP329	John Kirkegaard CSIRO	Improving the conceptual framework of below-ground biology	857,727
DAV418	Pauline Mele DPI Victoria	Impact of hostile soil on the rhizosphere	64,000
DAV440	Pauline Mele DPI Victoria	Quantifying biological and chemical processes in the rhizosphere	235,110
CSO224	Gupta Vadakattu CSIRO	Rhizosphere dynamics	100,081
Total			\$1,256,918

Theme 5: Management and agronomy

Project number	Supervisor	Title	Budget July 01 – June 07
DAQ00048	Mike Bell QDPI&F	Overcoming soil biological constraints to yield	1,144,429
UWA395	Dan Murphy UWA	Overcoming soil biological constraints to yield	737,946
CSO028	David Roget CSIRO	Management of soil microbial function for improved productivity in intensive cropping system	543,777
CSO237	David Roget CSIRO	Identifying and removing yield constraints to sequential wheat crops	296,716
CSO250	David Roget CSIRO	National fumigation project	269,103
UWA58	Dan Murphy UWA	Biological indicators of soil quality	122,500
Total			\$3,114,471

GRDC collaboration with other organizations

Project number	Supervisor	Title	GRDC Budget July 01 – June 08
MLA00001	MLA as Program Manager; Bob Hannam as Coordinator	The Pasture Soil Health Alliance (MLA, AWI, GRDC)	400,000
LWA00003	LWA as Program Manager; Tom Davison as Coordinator	The Healthy Soils for Sustainable Farms Program (DAFF, LWA & GRDC)	1,200,000
PBA1&2	PBA Board; Sandy Gleddie as CEO	Philom Bios Australia Pty Ltd (GRDC & Philom Bios Inc)	n/a
Total			\$1,600,000