

Water Utilisation in Agriculture: Research project portfolio for 2007/08

THRUST 3 : WATER UTILISATION FOR POVERTY REDUCTION AND WEALTH CREATION IN AGRICULTURE		
Title (New projects indicated by *)	Contractor	Term
Programme 1: Sustainable water-based agricultural activities in rural communities		
The effect of the introduction of agro-forestry species on the soil moisture regime of traditional cropping systems in rural areas. Phase II: On-farm trials of alternative agro-forestry systems	CSIR, Natural Resources and the Environment	01/04/02-31/07/06
Best management practices for small-scale subsistence farming on selected irrigation schemes and surrounding areas through participatory adaptive research in Limpopo Province	Tshwane University of Technology, Agricultural Management	01/04/03-31/03/07
Sustainable techniques and practices for water harvesting and conservation and their effective application in resource-poor agricultural production in KwaZulu-Natal Province	Zakhe Agricultural College	01/04/03-31/03/08
Best management practices for small-scale subsistence farming on selected irrigation schemes and surrounding areas through participatory adaptive research in Eastern Cape Province	University of Fort Hare, Soil Science	01/04/04-31/03/09
Sustainable techniques and practices for water harvesting and conservation and their effect application in resource poor agricultural production in Eastern Cape Province	University of Fort Hare, Agricultural Economics	01/04/04-31/03/09
Participatory development of training material for agricultural water use in homestead farming systems for improved livelihoods	Rural Integrated Engineering (Pty) Ltd	01/04/05-31/03/09
Nutritional value and water use of indigenous crops for improved rural livelihoods	University of Pretoria, Centre for Nutrition	01/04/05-31/03/10
Assessment of the social and economic acceptability of rainwater harvesting and conservation practices in selected peri-urban and rural communities	University of the Free State, Agricultural Economics	01/04/06-31/03/11
*Scoping study on indigenous water harvesting and conservation (WH&C) practices	Umhlaba Consulting Group, Agricultural and Rural Development	01/04/07-31/03/08
*Rainwater harvesting and conservation (RWH&C) for rangeland and cropland productivity in communal areas in selected provinces in the semi-arid area of South Africa	ARC, Institute of Soil, Climate and Water	01/04/07-31/03/13
*Development of a comprehensive learning package for education on the application of water harvesting and conservation (WH&C)	Umhlaba Consulting Group	01/04/07-31/03/12
Programme 2: Integrated water management for profitable farming systems		
Management for new establishment of profitable small-scale farming with reference to the Lower Orange River	University of the Free State, Agricultural Economics	01/04/02-31/10/06
Technology transfer and integrated implementation of water management models in commercial farming	CPH Water	01/04/04-31/03/07
Revitalisation of provincial fish hatcheries and training facilities to promote profitable aquaculture	Rhodes University, Ichthyology and Fisheries Science	01/04/05-31/03/10
Development of training material for extension in irrigation water management	University of Pretoria, Agricultural Economics, Extension and Rural Development	01/04/06-31/03/11
*Assessment of the contribution of water use to value chains in agriculture	University of the Free State, Agricultural Economics	01/04/07-31/03/12
*Awareness creation, implementation plans and guidelines for management of sustainable on-farm and on-scheme water measurement	University of Pretoria, Civil and Biosystems Engineering	01/04/07-31/03/11