

ACIAR's Research Priorities and Active Projects in the Philippines (2009-10)

Subprogram 1: Increasing the market competitiveness of Philippines horticultural products

1A: Meeting market specifications for horticultural products

- Identification of farmer incentives for adoption of horticultural postharvest systems improvements
- Development and implementation of new quality management and food safety systems
- Economic analysis of marketing chains and channels for perishables, and building of supply chains to improve alliances between suppliers, processors, institutional buyers and marketers
- Nutrient and pesticide management to save costs and reduce residues.

1B: Higher returns from vegetable production

- Adoption of protected cropping technologies and reduction of inputs
- Disease management relating to bacterial wilt and other soil-borne diseases in solanaceous and crucifer crops; and pest management systems for diamondback moth control in brassicas
- Efficient production systems for seed potato
- Germplasm evaluation and development of management packages for native vegetables
- Improvement in postharvest handling, quality, and sanitary and phytosanitary standards for markets for salad and semi-temperate vegetables.

1C: Tropical fruit for export and premium domestic markets

- Selection and clonal propagation of new quality mango germplasm
- Improved cultural practices and control of major pests and diseases of mango, durian and jackfruit
- Improvement in postharvest handling, quality, and sanitary and phytosanitary standards for markets for tropical fruit crops.

Project ID	Project Budget (AUD)	Project Duration
HORT/2001/049: Development of PRSP-V resistant papaya genotypes by introgression of genes from wild <i>Carica</i> species	\$655,167	01/01/02 - 31/12/04 (Project extended from 01/07/09 - 30/09/09)
HORT/2007/066: Enhanced profitability of selected vegetable value chains in the southern Philippines (Program)	\$4,293,430	01/05/08 - 30/04/12
HORT/2007/067: Improved domestic profitability and export competitiveness of selected fruit value chains in the southern Philippines (Program)	\$3,208,940	01/05/08 - 30/04/12

Subprogram 2: Competitive and sustainable aquaculture production

- Adoption of mariculture-based strategies to provide livelihoods and enhance locally-managed fisheries with an initial emphasis on sea cucumbers

- Assessment of the impacts of mariculture on the community livelihoods of small fishers
- Application of results from ACIAR projects in other countries, and review of opportunities and constraints in the supply chain for key aquaculture products, particularly grouper, mud crab and seaweed
- Management of viral nervous necrosis of marine finfish.

Project ID	Project Budget (AUD)	Project Duration
FIS/2002/077: Improved hatchery and grow-out technology for marine finfish in the Asia-Pacific region	\$989,214	01/07/04 - 31/12/07 (Project extended from 01/10/09 - 31/03/10)
FIS/2003/033: Integrated fisheries resource management (Rinconada Lakes, Philippines and New South Wales, Australia)	\$484,242	01/07/06 - 30/06/09
FIS/2003/059: Sea ranching and restocking sandfish (<i>Holothuria scabra</i>) in Asia-Pacific (<i>multilateral - WorldFish</i>)	\$937,549	01/06/07 - 31/05/11
FIS/2009/033: Preliminary assessment of the hand-line (banca) fisheries in the Philippines	\$149,996	01/06/09 - 31/05/11

Subprogram 3: Farmer-based land and water resource management for profitable and sustainable agriculture

- Catchment-scale adaptation of integrated soil and water conservation technologies, integrating agricultural production and agroforestry with an enhanced market focus
- Improved watershed management in the context of adaptation to potential negative impacts of climate change on food security
- Water resource management, including groundwater and water harvesting, for high-value vegetable and fruit crops
- Understanding valuation and financing mechanisms for environmental services in watersheds for soil and water conservation
- Integrated nutrient management for low-input farming systems.

Project ID	Project Budget (AUD)	Project Duration
ASEM/2002/051: Sustaining and growing landcare systems in the Philippines and Australia	\$2,064,410	01/07/04 - 30/06/07 (Project extended from 01/07/07 - 31/12/09)
CIM/2002/106: Fertilisation-independent formation of embryo, endosperm and pericarp for apomictic hybrid rice (<i>multilateral - IRRI</i>)	\$1,500,000	01/07/03 - 30/06/08 (Project extended from 01/07/08 to 31/12/09)
SMCN/2004/069: Minimising agricultural pollution to enhance water quality in Laguna de Bay (the Philippines) and Mt Lofty Ranges (Australia)	\$684,796	01/05/06 - 30/04/09 (Project extended from 01/05/09 - 31/10/09)
SMCN/2004/078: Evaluation and adoption of improved farming practices on soil and water resources, Bohol Island, the Philippines	\$840,299	01/01/07 - 31/12/10

Subprogram 4: Identifying and addressing policy and technical constraints to the adoption of research outputs

- Identification of research interventions to improve productivity and access to staple commodities by the poor
- Development of simple replicable business models for agribusiness development of small farms
- Application of better extension models for earlier research results
- Identification and addressing of local and national policy constraints to adoption of research, including land use, land tenure, taxation and transportation policies; sanitary and phytosanitary standards and intellectual property rights
- Assessment of policy and market constraints to agroforestry development on small farms
- Assessment of policy constraints to the control and management of IUU fishing
- Identification of researchable technical and agribusiness constraints for small-medium enterprise (SME) engagement in profitable livestock enterprises.

Project ID	Project Budget (AUD)	Project Duration
ASEM/2006/059: Community Agricultural Technology Program	\$544,683	01/08/06 - 30/06/07 (Project extended from 01/07/07 - 31/12/09)
ASEM/2006/091: Enhancing tree seedling supply via economic and policy changes in the Philippines nursery sector	\$826,941	01/01/07 - 31/12/2010
CIM/2006/176: Developing molecular markers to enable selection against chalk in rice (<i>multilateral - IRRI</i>)	\$998,960	01/05/07 - 31/05/12