

Australia–China linkage for enhanced rice cold- tolerance



Key details

Location

China

Duration

Start May 2006

End Jun 2009

Budget

AUD 99,796

Commissioned organisation

Industry & Investment NSW

Partners

CSIRO Plant Industry; Diversity Arrays Pty Ltd;
Guangxi Academy of Agricultural Science;
Liaoning Academy of Agricultural Science

Project Leader

Russell Reinke

Program

Crops

Project code

CIM/2005/152



Overview

This project aimed to enhance linkages between Australian and Chinese rice research programs with a specific focus on improving rice cold tolerance.

Rice cold tolerance is a major constraint to production in temperate rice-producing areas of the world. The opportunity to extend scientific interaction through projects such as this are particularly important for the Australian rice industry. It facilitates communication between Australian rice scientists and those in the major rice producing regions, such as China, and especially temperate areas where scientists work largely within a similar gene pool to the Australian rice breeding program.

Project outcomes

- Compared rice cold tolerance research underway in China and Australia.
- Explored developments in cold tolerance research and its application in developing new varieties that combine cold tolerance and superior grain quality.
- Cemented long term relationships for research.
- Facilitated exchange of technologies and plant material.