

**ANNUAL REPORT
COMPREHENSIVE RESEARCH ON RICE**

January 1, 2007 – December 31, 2007

PROJECT TITLE: Operation and Maintenance of the Rice Research Facility at Davis

PROJECT LEADER: Thomas H. Tai, Research Geneticist, USDA-ARS
Plant Sciences, UCD

PRINCIPAL UC INVESTIGATORS:

James Hill, Professor, Plant Sciences, UCD

Thomas H. Tai, Research Geneticist, USDA-ARS, Plant Sciences, UCD

James Jackson, Principal Superintendent of Agriculture, Department of Plant Sciences, UCD

COOPERATORS:

Farman Jodari, Plant Breeder, Rice Experiment Station, Biggs

Carl W. Johnson, Plant Breeder, Rice Experiment Station, Biggs

Virgilio C. Andaya, Plant Breeder, Rice Experiment Station, Biggs

Jacob Lage, Plant Breeder, Rice Experiment Station

Kent S. McKenzie, Director, Rice Experiment Station

LEVEL OF 2007 FUNDING: \$11,000

**OBJECTIVES AND EXPERIMENTS CONDUCTED BY LOCATION TO
ACCOMPLISH OBJECTIVES:**

The objective of this project is to provide a field facility near the Davis campus for rice research by University, USDA, and Rice Experiment Station personnel. The project pays for direct costs of operating the facility including rental of tractors and farm implements for tillage operations and part-time technical assistance. Water charges, fertilizers, herbicides, other farm supplies, and general assistance are also paid from this project.

Experiments conducted by various project leaders in 2006 were as follows:

Rice breeding (1 Acre): F. Jodari, C.W. Johnson, V. Andaya, J. Lage

Rice genetics (1.5 Acres): T. Tai (USDA)

UCD (0.5 Acre): V. Sundaresan (non-RRB project)

SUMMARY OF 2007 RESEARCH (MAJOR ACCOMPLISHMENTS) BY OBJECTIVES:

Details presented under the various projects. Materials grown by Professor Sundaresan (Section of Plant Biology and Department of Plant Sciences, UC Davis) were for non-Rice Research Board funded projects. Professor Sundaresan's materials were transgenic and grown according to USDA-APHIS regulations. Due to the presence of transgenic rice at the UC Davis field facility, the Rice Experiment Station has discontinued growing F₂ populations for selection at the facility and has moved this component to an alternate site. The RES continues to utilize the field for collecting data on advanced lines.

PUBLICATIONS OR REPORTS:

Reported under the research projects.

CONCISE GENERAL SUMMARY OF CURRENT YEAR'S RESULTS:

Reported under the research projects.