

ANNUAL REPORT
COMPREHENSIVE RESEARCH ON RICE
January 1, 2008 – December 31, 2008

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

PROJECT LEADER: James E. Hill, Professor, Plant Sciences, UCD
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 2008 FUNDING: \$10,000

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 2008 were as follows:

Rice breeding (1 Acre):	F. Jodari, C.W. Johnson, V. Andaya, J. Lage
Rice genetics (1 Acre):	T. Tai (USDA)
UCD (trace):	V. Sundaresan (non-RRB project)

SUMMARY OF 2008 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. No transgenic rice plants were grown at the UC Davis field facility in 2008. 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:

Approximately 5 acres of the rice field facility were laser leveled by UC Davis Ag Services just prior to the 2008 growing season. RES and USDA materials were grown in adjacent basins. A small number of non-transgenic rice plants were grown in the USDA basin by Professor Sundaresan for a pilot project (non-Rice Research Board). Water costs were significantly lower due to leveling and location of research plots. Weed control was problematic and costs were significantly higher. Waterfowl damage was limited. Growing conditions were warmer than typical (less blanking than normal). Specific results reported under the research projects.