

## **INTRODUCTION**

Presented in this 37<sup>th</sup> annual report are summaries of research conducted during the 2005 crop year on projects supported by the Board under the California Citrus Research Program.

It should be noted that without this support, the majority of the work reported on here could not be conducted because funding would not be available from other sources. The Citrus Research Board (officially, the California Citrus Improvement Program) is a marketing order established under the California Marketing Act which enables the state's citrus growers to sponsor and support the research they need. Growers voted by referendum to create this marketing order in 1968, and they have reaffirmed their support of the program in continuation referendums conducted in 1972, 1977, 1982, 1987, 1992, 1997, and 2002.

In administering the program, the Citrus Research Board has the responsibility of determining the industry's most important needs related to research, enlisting the help of research agencies in initiating or continuing projects which can meet those needs, providing available monetary support when necessary for this work, and monitoring the progress made in each of the projects it funds.

## **PURPOSES AND OBJECTIVES**

The purposes of the Citrus Research Board are to establish research priorities and provide funding on a priority basis to those efforts which are directed toward assuring that the citrus industry of California will be able to produce and market citrus fruits of the highest quality while being totally competitive in the marketplace, both domestic and international.

## **CONSIDERATIONS OF THE BOARD INCLUDE BUT ARE NOT LIMITED TO:**

1. Facilitating improvements in the means of controlling insects, diseases, and any other disorders that may limit the quality or production of citrus.
2. Facilitating advancements in cultural practices, such as in plant nutrition and irrigation management, to assist growers in efforts to improve fruit quality and yield.
3. Insuring that high quality disease-free and true-to-type plant material is continually available to the industry through a citrus clonal protection program.
4. Facilitating improvements in pre-harvest and post-harvest fruit handling techniques, including methods and materials for decay control, to aid growers and packers in delivering excellent quality fruit to the marketplace.
5. Providing growers and shippers with technical information to ensure that their marketed fruit will continue to meet the numerous requirements of U.S. and foreign food laws by maintaining a citrus quality assurance program.
6. Facilitating, through the quality assurance program, the collection of scientific information to assist the industry in responding to questions or problems arising in state, national, and international arenas in terms of quarantine matters, quality control, international compliance and related issues.
7. Supporting those activities directed toward improving production and marketing costs.
8. Engaging in the dissemination of information and grower and public education on citrus-related issues.

## MISSION STATEMENT

The mission of the Citrus Research Board is to ensure, improve, and protect the economic viability of the California citrus industry by supporting activities in the areas of quality assurance, production and variety research, information dissemination, and grower and public education.

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**The following summaries of the research funded by the Citrus Research Board in 2005 were prepared by the project leaders identified. For further information, contact the CRB office at 323 W. Oak Street, Visalia, CA 93291, phone (559) 738-0246, or e-mail [Info@citrusresearch.org](mailto:Info@citrusresearch.org).**

## NOTICE

The research results included in this publication are summary reports for the benefit of the Citrus Research Board and the growers it serves. They are not to be taken as recommendations from either the individual reporting or the agency doing the research. ***Some of the materials and methods mentioned are neither cleared nor registered for commercial use.*** The summaries were written by the project leaders identified. **Both technical names and registered trademarks of materials are used at the discretion of the authors and do not constitute any endorsement or approval of the materials discussed.** Questions on possible applications should be directed to the local University of California Extension Specialist, a licensed PCA, or the appropriate regulatory agency.