
PLEASE NOTE: GRAPE ORDER ALLOCATION DEADLINE NOVEMBER 15, 1989

November 1989

Number 9

FOUNDATION PLANT MATERIALS SERVICE

UNIVERSITY OF CALIFORNIA, DAVIS

NEWSLETTER

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FPMS ANNUAL INDUSTRY ADVISORY MEETING

The 1989 Annual Industry Advisory Meeting will be held on December 13, 1989 from 9:00am to 3:30pm. Changes in the Fruit and Nut Tree, Grape and Rose programs over the last year will be reviewed. Plans to update the collections, better identify and characterize material in collections and implement faster disease testing methods will be discussed. Anyone interested in attending should call the FPMS office at 916-752-3590 to reserve a place. An annual report prepared for the meeting is available upon request.

FPMS FINANCIAL REPORT

In the fall of 1988 FPMS faced some serious financial problems because the net income/<loss> for the previous six years looked like this:

<u>year</u>	<u>income</u>	<u>loss</u>
87-88		<\$50,268.04>
86-87		<\$76,155.90>
85-86		<\$9,113.38>
84-85	\$1,726.85	
83-84		<\$40,575.17>
82-83		<\$8,231.76>
six year total	\$1,726.85	<\$184,344.25>

At the same time the Grapevine, Fruit and Nut Tree Industries were asking FPMS to expand tree and grape clean stock programs to meet a growing number of industry needs. The FPMS Grapevine Industry Advisory Committee responded to the situation by recommending price increases for grape material and reinstatement of grape user fees. Advisors from the Fruit and Nut Tree Industry also acted to create more support for FPMS by sponsoring a successful amendment to the California State Nursery Assessment bill that increased the assessment rate from 1/4 to 1%.

FPMS net income was up in 1988-89 because of the increased grape material prices and grapevine user fees collected. Additional financial help is expected in the spring of 1990 when nursery assessment fees are appropriated. This money will be used to cover general FPMS operating expenses and add important new functions needed by industry.

In 1988-89, FPMS sold 138,525 grape cuttings, graftsticks and budsticks and 29,838 mist propagated grape plants. FPMS also sold 87,227 buds and 5,272 cuttings of fruit and nut tree material,

15,640 certified peach seeds, 132 lbs. certified plum seed, 124 lbs. certified cherry seed, 500 lbs. P. betulaefolia pear fruit, 32,610 cuttings and 18,468 buds of rose material. Total income in 1988-89 was \$507,896.26. Total expenditures were \$331,271.05.

GRAPE PROGRAM REPORT

FPMS Grape Importation Project

In April 1989 FPMS submitted a proposal to the United States Department of Agriculture requesting funding for a Grape Importation Facility at FPMS. The goals of this project are to:

1. Provide readily-accessible grapevine importation services for commercial grape growers and researchers in the United States
2. Protect the United States grape industry from the introduction of dangerous foreign plant pathogens
3. Develop and implement faster methods for grape disease detection and elimination in order to shorten the time duration a grape selection must remain in quarantine

When we learned it was too late to obtain funds from the 1989-90 USDA budget, Robert Young and Louis Martini took the proposal to Congressman Vic Fazio and explained how important it was to begin this work as soon as possible. Congressman Fazio responded by including \$130,000 to initiate design and planning work on the project in the House of Representatives 1989-90 agriculture funding bill. Although the Senate removed this item from the budget in August, it was reinstated by a House/Senate conference committee on October 5, 1989 in response to a tremendous letter writing campaign conducted by the industry. The final Agriculture Appropriations Report and action by the President are expected at any time. The Governor of California's representative for agricultural issues has also been instrumental in the success of this project to date.

By the 1990-91 federal funding year, FPMS will need money for construction and equipment purchases for the grape importation facility. Phil Freese at Robert Mondavi Winery will be organizing the industry lobbying efforts to assure funding of the next phase. Anyone interested in helping with this effort should contact Phil Freese or FPMS.

Introduction of Selected Winegrape Clones

The last group of winegrape clones solicited for the Introduction of Selected Winegrape Clones project were received by FPMS on March 3, 1989. The shipment included 2 Malbec, 1 Petit Verdot, 1 Muscadelle, 3 Semillon, 4 Cabernet Franc, 6 Cabernet Sauvignon, 4 Merlot, 5 Sauvignon blanc, and 1 Sauvignon gris selection(s). These are the last grape materials to be imported until the new Grape Importation Facility is built. These selections are currently being tested for virus disease in the 1989-90 field index. When the tests are complete, healthy selections will be included in the Foundation Vineyard and made available to the public as California Foundation Stock. Diseased selections will require treatment before they can be released from quarantine.

Copies of the 1988 Report To Winegrowers of California for the Introduction of Selected Winegrape Clones project are still available from the FPMS office for \$10.00. An edited version of David Adelsheim's talk on Clonal Selection and Evaluation in France from the original 1988 report was recently published in the September 1989 issue of Wines and Vines. Translations of several new documents have recently been completed as part of this project and are now available from the FPMS office for \$5.00 per set which includes:

1. Clonal Selection of Vines in the Val de Loire (1/14/81) by P. Rouquie and M. Remoue

2. Lycee Agricole et Viticole de Beaune, Chardonnay Selections, by M. Mantion, M. Galmard, and M. Leforte
3. A description of Office National Interprofessionnel des Vins (ONIVINS) (National Interprofessional Wine Office)
4. Descriptions of 11 French clones of Gamay

Vineyard Inspection

All registered vines in the Foundation Vineyard are inspected twice each year in the spring and fall for disease symptoms by University, USDA, and CDFA staff. Any vines that have questionable symptoms are retested for disease. If tests are positive, the infected selections are removed from the certification program.

This year some fanleaf-infected material was detected in a commercial nursery by California State Department of Food and Agriculture (CDFA) and removed from the certification program. As a precautionary measure this season, Dr. Adib Rowhani, FPMS Plant Pathologist, tested all Oppenheim #4 and Ganzin 1 Foundation mother vines as well as any other vines in the Foundation vineyard that had suspicious symptoms for fanleaf with ELISA. All tests were negative. This is a very serious situation that CDFA and FPMS will continue to monitor very carefully. It is more important than ever to use only California-certified planting stock, because it is being monitored for the presence of this disease.

New Registered Grape Selections

The new grape selections listed below have passed all disease tests and were checked for trueness-to-type this season. These selections will be included in the California Grapevine Registration and Certification program and released, in limited quantity, as California Foundation Stock this season.

Crimson Seedless-01	New table grape released by USDA
Fantasy Seedless-01	New table grape released by USDA
Italia-05	ISV6, Italy
Corvina Veronese-01	Zanzivivai-Ferrara, Italy
Chardonnay-20	Conegliano 6, Italy
Chardonnay-21	Conegliano 7, Italy
Chardonnay-22	Conegliano 10, Italy
Chardonnay-23	Conegliano 11, Italy
Chardonnay-24	California selection
Pinot blanc-06	Rauscedo 5, Italy
Paulsen 779-01	Rauscedo 2, Italy (rootstock)
Paulsen 779-02	Rauscedo 5, Italy (rootstock)

Diseased Selections Removed from the Program

Two registered grape selections were found to be diseased in recent indexes and will be removed from the certification program as follows:

Sultana Crimson-01	FV BKS H6 V1,2	Leafroll+
Aleatico-02	FV TYR M01, V3,4	Leafroll+

Riparia Gloire

This August 1989 FPMS received independent reports from California and Oregon questioning trueness-to-type of the registered Riparia Gloire material distributed by FPMS. In cooperation with the Viticulture and Enology Department, all vines of Riparia species on campus were inspected and compared to registered Riparia Gloire material. After considering this information, the FPMS Grapevine Technical Advisory Committee recommended that FPMS stop distributing all registered Riparia Gloire material until there is better information as to the correct identity of this material.

Efforts are now underway to collect Riparia Gloire selections from the Saanichton, Canada quarantine station, New York State Fruit Testing Association and Davis Germplasm Repository. These will be compared with the selection in question and tested for disease in the 1990-91 field index. Selections that test healthy and are found to be true to type will be included in the Foundation Vineyard.

Trueness to type is a serious concern of FPMS. All vines are checked for the correct identity by local experts before they are registered in the program, but it is clear that this is not always sufficient. The FPMS Technical Committee has recommended that multiple visual checks and biochemical assays be used to verify identity as soon as the resources to do so are available. Accordingly, FPMS has made arrangements to hire a French ampelographer to come to Davis and inspect all registered Foundation mother vines in the summer of 1990. Attempts are also underway to add to FPMS the capability to do isozyme analysis and begin to characterize materials biochemically.

Updated Grape Lists

Updated versions of the following lists will be available at the end of November for \$5.00 each. Please send requests for these publications, along with your check payable to the Regents of the University of California, to the FPMS office.

1. FPMS Registered Grape Selections: Includes all currently registered grape selections, their sources, recent disease indexing and treatment history
2. FPMS Registered Grape Selections by Nursery and Variety: grape selections included in most CA Registered Increase blocks, including name, address and phone number of participating nurseries, computer indexed by specific selections and nursery names

The one-page list of registered grape varieties available from FPMS has also been improved. An estimate of the total number of cuttings available per season has been added next to each variety, which should enable customers to get a better idea of the quantity of stock FPMS may be able to distribute. A copy of the new list is attached.

Grape Order Allocation Deadline

Each year available grape stock is allocated between all who order before November 15 using a priority system. First priority is to supply all who order at least 5-10 cuttings of each selection requested. For amounts greater than 5-10 cuttings/selection nurseries establishing California Registered Increase blocks receive second priority, California growers have third priority, fourth priority goes to other growers within the United States and fifth priority goes to foreign customers.

Mist Propagated Grape Plants Available from FPMS

When hardwood cutting supplies are insufficient to meet the demand for Foundation stock, customers may choose to order mist propagated grape plants. These plants are produced in the greenhouse on their own roots in 4" pots on a custom order basis. Please contact the FPMS office to place orders or for more information.

Grapevine User Fees

Grapevine user fees will be collected for the 1989-90 season in the spring of 1990. These fees were reinstated upon the recommendation of the FPMS Grapevine Industry Advisory Committee in the Fall of 1988. Fees collected will be used to help maintain the existing clean stock program and make many improvements needed.

TREE PROGRAM REPORT

Updating the Foundation Orchard

FPMS and California fruit and nut tree nursery people are continuing to plan and carry out a major revision of the Foundation Orchard collection. This fall a 3-acre block of 20 year old foundation mother trees was removed in order to make room to plant young trees of important-current-commercial varieties. During a 2-3 year interim period, the selection of varieties available as foundation stock will be reduced as a consequence. A list of varieties still available for sale in 1990 and 1991 is attached.

At this time, plans for the orchard revision include repropagating 86 selections from the existing Foundation Orchard, and 43 selections from IRII. Healthy items from 45 new fruit and nut tree industry selections currently being indexed at FPMS will also be propagated for the new orchard when tests are complete. In addition, funding has been requested from the California Fruit Tree, Nut Tree, and Grapevine Improvement Advisory Board (IAB) to send 39 new selections to IRII for treatment and testing in 1990 and 1991. Healthy material returned from IRII will qualify for California Foundation stock status and be included in the Foundation Orchard. A complete report listing all the varieties selected to date for inclusion in the updated Foundation Orchard is available from the FPMS office upon request.

Selections Removed from Registration

This year the following selections were removed from the Registration and Certification program because plum rusty blotch like symptoms were observed on the trees:

<u>Variety</u>	<u>Location</u>
Frontier plum	NFO C1 T22,23
Kelsey	NFO C2 T17
Mariposa	NFO C14 T15,16
Queen Rosa	NFO C1 T14,15
Santa Rosa	NFO C3 T4
Santa Rosa	NFO C14 T14
Satsuma	NFO C4 T5,6

Fruit and Nut Tree Seed Supplies

FPMS has seed of several fruit and nut tree varieties available for sale on a first come, first served basis. Seed available from the 1989 crop includes 67,500 Nemaguard peach seeds, 48,300 Nemared peach seeds, 6,750 Lovell peach seeds and 15 lbs. Mahaleb cherry seed. Additional seed from the 1988 crop is available at 1/2 price, including 48,000 Nemaguard seeds and 46,800 Nemared seeds. Seed of Mazzard cherry and Myrobalan plum will not be available again until next fall. Please use the attached order form to place orders.

STRAWBERRY CLEAN STOCK PROGRAM

In the spring of 1990 FPMS will have for sale California Foundation stock plants of UC patented Strawberry varieties. These plants are produced from virus-indexed mother plants using thermotherapy and meristem tip culture. FPMS will supply plants in vitro or in small pots for \$100/plant to licensed propagators. Contact the FPMS office for more information.

ROSE PROGRAM

Material from 6 virus-tested rose rootstocks and over 300 virus-tested scion varieties is available from FPMS each year. Rootstock material is allocated among all who order by the end of September. Orders for dormant scion material should reach FPMS before December 1st because the block is pruned at that time.