FPS GRAPE ADVISORY COMMITTEE MEETING
December 4, 2018
Peter Christensen Conference Room,
Trinchero Family Estates Building, UC Davis

MINUTES

Present
Alan Wei, Anna-Liisa Fabritius, Athar Tariq, Benjamin Kaesekamp, Bob Steinhauer, Brad Kroeker, Brian Jessen, Chris Lindelof, Dan Martinez, David Marion, Dennis Frick, Donnell Brown, Dustin Hooper, Ed Nikssarian, Ernie Bowman, Grant Frick, James Stamp, Jay Jensen, Jeffrey Wheeler, Jim Pratt, John Moso, Josh Puckett, Joshua Kress, Judy Monis, Justin Jackson, Karl Krist, Kendall Ash, Kris Lowe, Kristen Farrar, Leo Villanueva, Lorena Baste, Lori Leong, Lynn Wunderlich, Marcos Arriaga, Michael Vietti, Minsook Hwang, Nancy Sweet, Nick Dokoozlian, Phuong Lao, Rhonda Smith, Richard Schaefers, Rick Burnes, Rosa Uhes, Sal Captain, Stan Grant, Stephanie Bolton, Susan Captain, Sue Sim, Ted Rieger, Tefera Mekuria, Tom Nemcik, Tom Selfridge, Tyson Porter, Martin Mochizuki, Akif Eskalen, Andy Walker, Vicki Klaassen, Sebastian Traviess, Kamyar Aram, Julian Clymer, Keith Striegler

AGENDA ITEMS

Welcome and Introductions
Nick Dookoozlian, chair of the Foundation Plant Services (FPS) Grape Advisory Committee, called the meeting to order and asked the attendees to introduce themselves.

Approve Minutes from January 9, 2018
Jim Pratt moved to approve the minutes from January 9, 2018. Donnell Brown seconded the motion and it was approved unanimously.

There was a modification to order of the agenda. Nancy Sweet and Akif Eskalen traded time slots.

The Winegrapes of UC Davis, Nancy Sweet – Foundation Plant Services
Nancy Sweet provided an update of the book she's writing, *Winegrapes of UC Davis*. Originally, the book was to be published by UC Press as a hard copy book about the foundation grape collection at FPS. Ultimately, UC Press chose not to publish the book due to its length. FPS decided to put resources into publishing the information as an online book. The book can be accessed via FPS website. *Winegrapes of UC Davis* focuses mostly on winegrapes, but also tells the story of the regional industries and therefore pulls in information on some table grapes. Most importantly, the online book also has historical information on the winegrape industry in California, including the history of FPS, and its early years with historical documents from Goheen and Olmo. There are many benefits to publishing the book online: it can be updated easily, has clickable footnotes, allows access to anyone, and there is no restriction to its length.

Updates on Pierce's Disease Resistant Scions and Rootstocks, Andy Walker – Department of Viticulture and Enology, UC Davis
Dr Walker provided an overview of the objectives of the rootstock breeding program. Current aims of the breeding program are to add salt and drought resistance to GRN rootstocks, add ring nematode resistance, add virus tolerance and vigor control, and use genetic mapping to allow MAS and trait

stacking. The program also focuses on campus rootstock trials with 101-14 and 1103 P standards, field trials and pre-release to FPS. A breeding focus has been on root architecture which includes defining terms for fibrosity. Dr Walker is also looking at broad range of rootstock materials for nematode resistance. He has a collection of 1500 genotypes that have excellent resist to a variety of traits. Red leaf virus tolerance trials, fanleaf resistance trials, and GRN rootstock series trials are underway. The dominant material for the Pierce's Disease (PD) resistance breeding program is from the southwest US and Mexico. Five selections are being pushed through for release and are in PD trials all over the state. The quality is very close to vinifera; no one can tell the difference in tasting trials.

A Research Program on Diseases of Trees, Vines, and Small Fruits – Akif Eskalen, Department of Plant Pathology, UC Davis

Dr Akif Eskalen provided an overview of his extension program. While he will provide services to grape growers, his work also focuses on vines, berries and tree fruits. Dr Eskalen described the process of identifying plant pathogens and went into further detail on some grapevine trunk diseases including young vine decline and esca, Eutypa dieback, and Botryosphaeria rot. He is screening fungicides using the spiral gradient dilution method. In addition, he will be working on the powdery mildew fungicide screening program, continuing Dr. Doug Gubler's work and looking into providing alternatives to growers.

Updates on 2018 Red Blotch (GRBV) Foundation Vineyard Testing – Maher Al Rwahnih, Foundation Plant Services

Red blotch was found in the Russell Ranch Vineyard (RRV) in 2017. Dr Al Rwahnih provided an overview of the discovery. FPS has been investigating the seasonal distribution of red blotch by testing grapevine red blotch virus (GRBV) titer which is time and vine dependent. In June the titer is lower; in October it is higher. Compared to leafroll 3 there is more variation. The earlier you test, the higher the risk for getting a false negative. All vines (4,406) in RRV were tested in 2018; 21 vines were positive for GRBV. These all appear to be new infections because all earlier tests were negative, and all related vines are negative. In testing adjacent individual vines, we found two vines that were false negatives by composite testing. FPS investigated this occurrence by looking at the distribution of GRBV in individual petioles and canes and found there is a high incidence of uneven distribution of the virus in newly infected vines. Therefore, when testing entire vineyards, we need to test all vines individually due to the uncertainty of composite testing. Because of the late time in the season, we have implemented a "test to order" policy of testing vines individually at the time of the order. Our plan for customers to receive material for a time sensitive order is to provide mist propagated plants or we can distribute the material and if positive the grower will need to destroy. In the few cases of distribution in 2018 for material that tested positive, we have communicated with growers who received material. FPS is offering replacement of material and additional testing. This stresses the importance of keeping track of vines. All vines (4,075) in the Classic Foundation vineyard were tested as well and all vines were negative for red blotch or leafroll 3. Moving forward our control program will focus more on contact insecticides and other control mechanisms, such as a feeding deterrent. We will continue monitoring with frequent visual inspections and continue our commitment to providing customers with high quality clean plant material.

What the FPS Custom Database Can Do for You – Karl Krist, Foundation Plant Services

Karl Krist provided an update on its custom database, ADAPT, which is under continued development. ADAPT supports many of the functions of FPS that have others have mentioned today, including the

“test to order” policy, the *Winegrapes of UC Davis* book, and the grape registry. Some new features will be focused on the customer. Customers will be able to place orders and check order status online. This feature will be available for CDFA Registered and Certified nurseries and other large customers. The online store will offer order history and plant information. In addition, customers will be able to view the entire stock (including availability), past orders, payments made, user fees, and packing lists.

Progress Report on the Activities of the National Clean Plant Network – Deborah Golino, Foundation Plant Services

Dr Golino provided an update of the activities of the National Clean Plant Network. The Farm Bill is still being approved by congress and the funding for next five years is in the system. FPS has applied for FY 2019-20 and the proposal has been evaluated by the guiding committee. The program continues to have support from both sides of the aisle. There has been an increase of funds to approximately $6M for the entire program. The feds continue to want to focus on communications and industry involvement. FPS is asking for an additional $100K for our tree program which is currently expanding. FPS’ financial status is sound. In addition to NCPN funds, pistachio rootstock seed sales, IAB support, and user fees are all supporting the program well.

Respectfully submitted,

Kristen Farrar