

# FOUNDATION SEED AND PLANT MATERIAL SERVICE

Raymond F. Hasek

Many Californians in the fields of pomology, viticulture, and ornamentals have not been aware of or have not availed themselves of the propagation materials offered by the Foundation Seed and Plant Material Service (FSPMS) at the University of California, Davis campus. It was originally established in July 1958 to maintain virus-tested stocks of cherry and grape cultivars in a foundation block. Distribution of propagative materials from these stock blocks was to be a part of the State Grapevine and Tree Certification Program. Since its origin, the program has been expanded to include additional species and cultivars of fruit trees and some ornamentals. It was not until 1973 that patented materials were initially distributed.

The FSPMS provides a means by which virus-tested, true-to-type plant materials originating from industry as well as from research programs of separate University departments can be distributed equitably and accurately to the public.

The primary objectives of the foundation are: (1) to maintain and distribute registered virus-tested clones of grapevines, fruit trees, and ornamental plants to commercial nurserymen and growers who participate in the California Registration and Certification Program administered by the California State Department of Agriculture; (2) to assist University research departments in the release of new cultivars from their plant improvement programs; (3) to distribute

registered and nonregistered materials to the general public and to research programs within and outside the University.

Currently, operations of the FSPMS are diversified. It maintains a vineyard, orchard, and nursery of registered stock, which is the basic virus-tested material for the California Registration and Certification Program. This activity is assigned 30 acres for the orchard, vineyard, and nursery area. Propagative materials, which include scion wood, cuttings, and seeds, are distributed through direct sales and/or through special "grower agreements," with priority given to commercial nurserymen and growers who sell certified plants under the voluntary California Registration and Certification Program.

Surplus registered stock and available non-registered stock are sold to the general public without regard to how the propagative material will be used. FSPMS performs custom indexing and heat treatment for owners of special selections and patented cultivars. For instance, should a nursery have a special selection of a cultivar that it wishes to propagate and sell on the open market, it can have the basic propagative stock virus tested by the FSPMS. Owners of patented plant materials may also use the service to ensure a nucleus of virus-tested plants from which an increase block can be developed. These services are performed upon written request and for prescribed fees.

FSPMS receives propagating material from cultivar-improvement programs of various University of California research departments and is the initial source of these cultivars released to the general public. Patented cultivars from University programs are being distributed upon special arrangements with the University of California Patent Board.

FSPMS is self-supporting in its direct costs, deriving income partly from the sales of propagative materials (scions, budwood, cultivars, and seeds) and partly from "royalties" obtained through "grower agreements" with commercial propagators using FSPMS registered stock. Surplus income, if any, is used to finance appropriate research projects performed in relation to use of FSPMS material.

Anyone desiring information on availability of propagative materials or on custom indexing should direct inquiries to Leon Cory or Susan Nelson-Kluk, Foundation Plant Materials, Hopkins Tract, University of California, Davis, California 95616, or telephone (916) 752-3590.

Several hundred species and cultivars have been virus indexed and are now available as budwood, cuttings, or seeds from the FSPMS foundation blocks. Following are lists of the various types of ornamental plant materials on hand as of May 15, 1980.

**INDEXED ROSE CULTIVARS  
PLANTED IN FSPMS CULTIVAR BLOCK**

Accent	Condesa De Sastago	Granada	Mojave
All Spice	Contempo	Grand Slam	Montezuma
Aloha (cl)*	Coral Dawn (cl)		Mrs. P. S. Dupont
America (cl)	Countess Vandell	Happiness	Mrs. P. S. Dupont (cl)
American Heritage	Crimson Glory (cl)	Happy Talk	Mt. Shasta
Angel Face	Crimson Glory	Hawaii	
Ann Letts	Crimson Rosette	Hearts Desire (cl)	New Dawn (cl)
Antigua	Crown Jewel	Heat Wave	New Day
Apricot Nectar	Cynthia	Heirloom	Nocturne
Aquarius		Helen Traubel	
Arizona	Dainty Bess	Henry Ford	Oklahoma
	Delbards Orange (cl)	Hocus Pocus	Old Timer
Baccara 218	Diamond Jubilee		Ole
Bahia	Don Juan (cl)	Iceberg	Orange Garnette
Banzai	Double Delight	Indiana	Oregold
Belinda	Doubloon (cl)	Irish Gold	
Betty Prior	Dr. H. J. Nicholas (cl)	Ivory Fashion	Papa Meiland
Bewitched	Duet	Ivory Tower (74RO8)	Pascali
Big Splash			Patrician
Blanche Mallerin	Ebb Tide	Jack Frost	Pauls Scarlet (cl)
Blaze	Eclipse	Jacqueline	Peace
Blue Girl	Eiffel Tower	Jadis	Peace (cl)
Bob Hope	El Capitan	Jazz Fest	Picnic
Bon Bon	El Cid	John F. Kennedy	Picture
Bridal Pink	Electron	Jolly Roger	Pigmy Gold
Bridal White	Ernest H. Morse	Josephs Coat	Pigmy Red
Brides White	Escort	Junior Miss	Pilgrim
Bronze Masterpiece	Europeana		Pinata (cl)
Buccaneer	Evening Star	K. A. Victoria	Pink Parfait
		Karl Herbst	Pink Peace
Cadenza (cl)	Faberge	Kentucky Derby	Pink Puff
Camelot	Fancy Talk	Kings Ransom	Pinocchio
Capistrano	Firelight		Plain Talk
Cara Mia	Fire Princess	Lady Elgin	Polynesian Sunset
Carina	First Love	Lady X	Portrait
Carrousel	First Prize	Lemon Spice	President Hoover
Cathedral	First Prize (cl)	Lowell Thomas	Pristine
Cayenne	Floradora	Lucky Lady	Prominent
Century Two	Fragrant Cloud		Promise
Charlotte Armstrong	Frau Karl Druschki	Madam Butterfly	Proud Land
Charlotte Armstrong (cl)	Fresh Pink	Magic Carousel	Puerto Rico
Cherry Vanilla	Futura	Margo Koster	
Chicago Peace		Marmalade	Queen Elizabeth
Christian Dior	Garden Party	Matador	Queen Elizabeth (cl)
Chrysler Imperial	Garnette	Matterhorn	
Chrysler Imperial (cl)	Gene Boerner	Medallion	Radiance
Circus	Ginger Snap	Mercedes	Razzle Dazzle
Circus Parade	Golden Garnett	Merci	Red Devil
Color Magic	Golden Gate	Mercides	Red Garnette
Color Wonder	Golden Masterpiece	Mirandy	Red Gold
Columbus Queen	Golden Scepter	Miss All American Beauty	Red Masterpiece
Comanche	Golden Showers (cl)	Mister Lincoln	Red Radiance
Command Performance	Goldilocks	Misty	Red Reflection

\*cl = climber

*Continued*

Rex Anderson	Taj Mahal
Rose Guajard	Tamango
Rose Parade	Tampico
Roundelay	Tempo (cl)
Royal Canadian	Texas Centennial
Royal Gold (cl)	Texas Centennial (cl)
Royal Highness	The Fairy
Royal Sunset	Tiffany
	Tiffany (cl)
Samantha	Tonight
San Antonio	Tropicana
Sarabande	Trumpeter
Saratoga	Typhoo Tea
Scarlet Knight	
Seashell	Valentine
Show Girl	Verona
Show Time	Virgo
Signora	Viva
Simon Bolivar	
Sister Therese	White Butterfly
Small Talk	White Dawn (cl)
Smokey	White Masterpiece
Snowfire	White Satin
Song of Paris	White Swan
Sonia	Woburn Abbey
Sonoma	
South Seas	Yankee Doodle
Spanish Sun	Yellow Cushion
Spartan	Yuletide
Spirit of 76	
Sterling Silver	Zorina
Strawberry Blonde	
Summer Snow	68288 (B1)
Summer Snow (cl)	6995-C-1
Summer Sunshine	7242-23
Summerwine	72274-7
Sunbonnet	74R-08
Sunfire	74R-79 (Charisma)
Sunset Jubilee	75-75
Sun Song	75R-14 (Friendship)
Sutters Gold	75R-17 (Ambassador)
Sutters Gold (cl)	70 R-18
Swarthmore	

## REGISTERED CULTIVARS OF ORNAMENTAL TREES IN FOUNDATION ORCHARD

### Flowering Peach

*Prunus persica*  
 'Double White'  
 'Early Double Pink'  
 'Early Double Red'  
 'Helen Borchers'  
 'Late Dark Red'  
 'Late Double Red'  
 'Late Pink' (semi-double)  
 'Peppermint'  
 'White' (semi-double, late  
 flowering)

### Flowering Cherry

*Prunus serrulata*  
 'Kwanzan'  
 'Shirofugen'

### Flowering Plum

*Prunus cerasifera*  
 'Atropurpurea'  
 (syn.: 'Pissardii')  
 'Krauter Vesuvius'  
 'Thundercloud'

These flowering cherry clones have their cultivar identity verified. The original budwood sources have indexed negative for common prunus latent and little cherry viruses. The trees receive annual Shirofugen index for prunus ringspot virus. They are not eligible for registration at this time.

### *Prunus serrulata*

'Mikuruma-gaeshi'  
 'Shirotae'  
 'Shogetsu'  
 'Takasago' (syn.:  
*P. sieboldii*)  
 'Ukon'

### *Prunus subhirtella*

(so-called 'Shiro-higan',  
 probably selected clone  
 of 'Rosea')  
 'Autumnalis' (syn.  
 'Jugatsu-Zakura')

### *Prunus × yedoensis*

Yoshino cherry

These rose rootstocks are from heat-treated sources, indexed, and found free of the rose mosaics known in California.

Burr Multiflora	Manetti
Dr. Huey	Odorata
De La Grifferaie	IXL

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