

# Oregon Wine Advisory Board Research Progress Report

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## OSU Mother Block Maintenance

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The introduction of new clones and rootstock varieties has played an important role in the development of the Oregon wine grape industry. The OSU Grapevine Mother Block has been an integral part of this overall vine improvement program providing a readily accessible source of specific pathogen tested grapevine plant material for industry and researchers.

Since July 1995, the Department of Horticulture has carried out maintenance of the OSU Grapevine Mother Block at the Lewis Brown Farm, including propagation and maintenance of greenhouse grown stock plants. Additionally, the propagation and distribution of plant material from the Mother Block, previously carried out by the Foundation Seed and Plant Materials Project, is being performed as part of the viticulture research and extension program at OSU.

During the 1997-1998 season, approximately 1840 winegrape cuttings (1040 dormant; 800 mist-propagated), and 365 rootstock cuttings (325 dormant; 40 mist-propagated) were distributed to growers in Oregon, Washington, California, and Canada. Additionally, approximately 1200 cuttings were provided to OSU, USDA, UC, and WSU researchers.

Under the management of the OSU viticulture program, new clones and rootstock varieties identified to meet specific industry needs or those of researchers are being added to the Mother Block. Fifty-two new grapevine selections have been imported into Oregon from the Centre for plant Health in British Columbia, and Foundation Plant Materials Service in California since July 1995 (Table 1). Pinot blanc, Pinot gris, and Merlot are heavily represented on this list. Clones of these varieties may be included in future clonal evaluation trials in Oregon. Additionally, following an international search, Pinot blanc clones VCR 5 and VCR 7 (Italy), 122 (France), and 10-GM (Germany), and Pinot gris clones Rauscedo 6 (Italy), VCR 5 (Italy), 195-06 and 195-13 (France), and 13 Mf and 34 B1 (Romania) have been identified as clones considered to be most promising for future importation.

The Mother Block will continue to provide a source of virus tested grapevine plant material for industry and researchers. During the 1998 season, in collaboration with USDA Plant Pathologist Bob Martin, ongoing virus testing of the Mother Block has continued. The presence of phylloxera in Oregon will eventually necessitate reestablishing the OSU Mother Block with grafted vines. We have begun implementing a plan for carrying this out.

Table 1. New grapevine selections at OSU.

Variety	CLONE	SOURCE
<b>Rootstocks</b>		
039-16	01R	FPMS
BÖRNER		CANADA
COUDERC 161-49	01R NCGR DVIT1985	FPMS
FERCAL 103	01R FRANCE	FPMS
GANZIN 1	05R AXR#1	FPMS
GRAVESAC	264 FRANCE	GENEVA NY
HARMONY	05R	FPMS
KOBER 5BB	06R	FPMS
LN 33	01N	FPMS
PAULSEN 1103	01R	FPMS
RUPESTRIS ST. GEORGE	15R RUTHERGLEN	FPMS
SCHWARZMANN	01R	FPMS
TELEKI 5C	01R FRESNO 119 V18	FPMS
TELEKI 8B	01R NCGR DVIT2001	FPMS
<b>Winegrapes</b>		
ALIGOTE	01R	FPMS
BLANCA	Q 1179-3 HUNGARY	CPH CANADA
GAMARET	Q 1513-5 SWITZERLAND	CPH CANADA
LEON MILLET	Q 15-1 FRANCE	CPH CANADA
MARECHEL FOCH	661-02B4	CPH CANADA
MERLOT	01R CALIFORNIA	FPMS
MERLOT	03R CALIFORNIA	FPMS
MERLOT	06R CALIFORNIA	FPMS
MERLOT	07N P.I. 279498A1 FRANCE	FPMS
MERLOT	08R P.I. 379557 ARGENTINA	FPMS
MERLOT	09R RAUSCEDO 3 ITALY	FPMS
MERLOT	10R ISV-V-F-2 ITALY	FPMS
MERLOT	11R ISV-V-F-5 ITALY	FPMS
MERLOT	12R ISV-V-F-6 ITALY	FPMS
MERLOT	13N ISV-V-F-4 ITALY	FPMS
MERLOT	14N 384 FRANCE	FPMS
MERLOT	15N 181 FRANCE	FPMS
MERLOT	45-14C6 ITALY	CPH CANADA
ORION	Q1357-3 GA 58-30 GERMANY	CPH CANADA
PHOENIX	1357-1 GA 49-22	CPH CANADA
PINOT BLANC	05R RAUSCEDO 9 ITALY	FPMS
PINOT BLANC	06R RAUSCEDO 5 ITALY	FPMS
PINOT BLANC	PINOT BIANCO Q45-10-A-B	SUMMERLAND
PINOT BLANC	Q1043-04 SWITZERLAND	CPH CANADA
PINOT BLANC	WEISER BURGUNDER (5GM) GERMANY	CPH CANADA
PINOT BLANC	WEISSBURGUNDER KL 5 GM GEISENHEIM	SUMMERLAND
PINOT GRIS	01N JACKSON K6V6	FPMS
PINOT GRIS	04N COL152	FPMS
PINOT GRIS	06N RULANDER	FPMS
PINOT GRIS	Q650-02 (RULANDER) GERMANY	CPH CANADA
PINOT GRIS	Q658-02 CLONE 53 FRANCE	CPH CANADA
PINOT GRIS	RULANDER (2/15 GM) GERMANY	CPH CANADA
PINOT GRIS	RULANDER Q782-37B KL 2-15	SUMMERLAND
PINOT NOIR	DJN 777 FPMS S27Q	FPMS
POLLUX	Q 1014-3 GERMANY	CPH CANADA
SAUVIGNON BLANC	01R CALIFORNIA VINEYARD	FPMS
TEMPRANILLO	02R SPAIN	FPMS
VERDELHO	02R L17V11 (I178V7)	FPMS