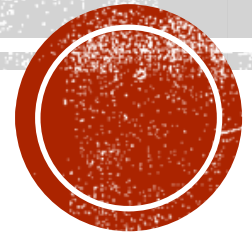


THANKS BOB MARTIN

Lynden Small Fruit Conference

Lynden, Washington

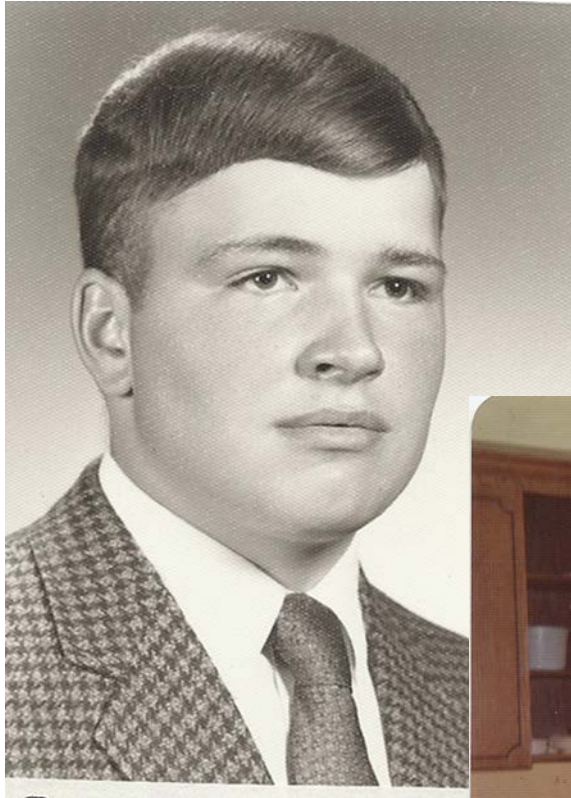
December 4-6, 2019



**WHERE IT ALL STARTED...
SOMEWHERE BETWEEN
EDGAR AND ATHENS, WI**



SUCH A KID!



**Our Fearless Leader.....
Always ready to head out on the
open road to visit a growers field**





BOB THE WORLD-CLASS VIROLOGIST



1979

PhD in Plant Pathology
University of Wisconsin

1980-1982

Post Doctoral Fellow
USDA-ARS

1982-1995

Research Scientist
Agriculture Canada

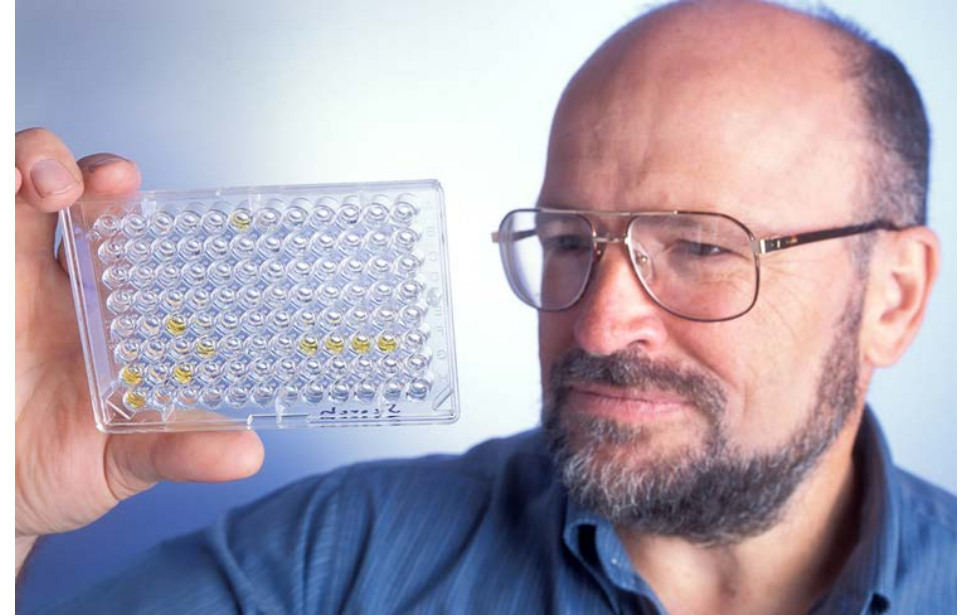
1995-2019

Research Plant Pathologist
USDA-ARS



BOB THE WORLD-CLASS VIROLOGIST

- Raspberries resistant to RBDV (RNAi)
- Identification and epidemiology of >30 new viruses in berries including:
 - Strawberry decline-associated viruses
 - Blackberry yellow vein associated viruses
 - Characterization of elderberry carlaviruses - a story 30 years in the making
 - Blueberry shock, Blueberry scorch & Blueberry fruit drop viruses
 - Viruses of ornamentals (e.g. rose rosette)
 - The virus complex that causes raspberry crumbly fruit in the PNW
- Instrumental leadership in the National Clean Plant Network for berries
- Leadership in certification efforts for berry nursery stock in the US



BOB THE WORLD-CLASS VIROLOGIST

- World leader in berry viruses for the last 25 years
- Over 200 papers, over 6,200 citation
- Gordon J. Green Award of Canadian Phytopathological Soc., 1992
- Service Award North American Strawberry Growers Association, 1996
- Extension Team Award, The Canadian Phytopathological Society, 2002
- Posnette Award, International Award in Small Fruit and Tree Fruit Virology, 2003
- Lee M. Hutchins Award, American Phytopathological Society, 2010
- Fellow of the American Phytopathological Society, 2014
- Outstanding Industry Leadership Award, Oregon Wine Industry, 2018





BOB THE WORLD-CLASS PLANT BREEDING COLLABORATOR!

- Collaborator on development and release of at least 35 cultivars:

3 Blueberries
10 Strawberries
17 Blackberries
5 Red Raspberries

“Plant Breeders as Virus Vectors”!!!





2007-2019
Supervisory Plant Pathologist
USDA-ARS



BOB THE RESEARCH LEADER “BOSS”





BOB THE "SNOW ANGEL"



BOB AND THE NCSFR

2007-2019
USDA Representative

History of the Northwest Center for Small Fruit Research

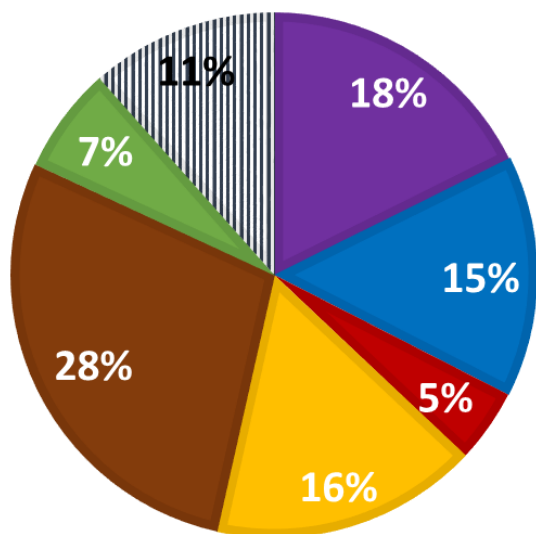
- Vision for the Center started in 1988
- NCSFR established in 1992
- First grants awarded in 1993
- ~250 projects funded
- ~\$11,000,000 spent on research



NCSFR FUNDING RESEARCH IN THE PNW

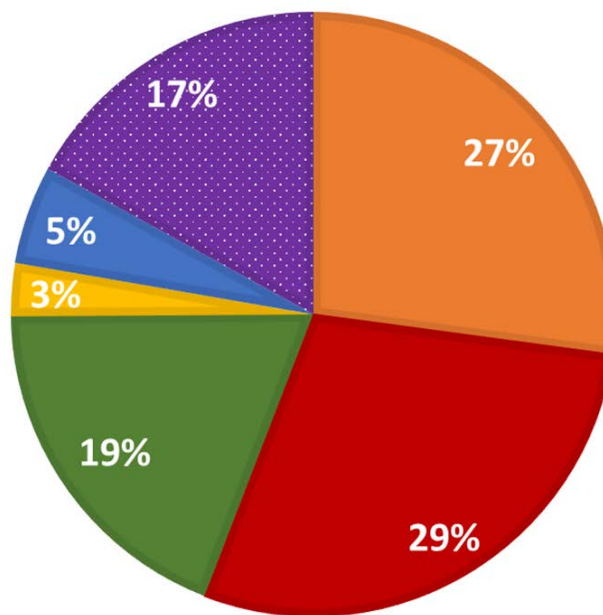
COMMODITY BREAKDOWN

■ Caneberry ■ Blueberry ■ Cranberry ■ Enology
■ Viticulture ■ Other ■ Multiple



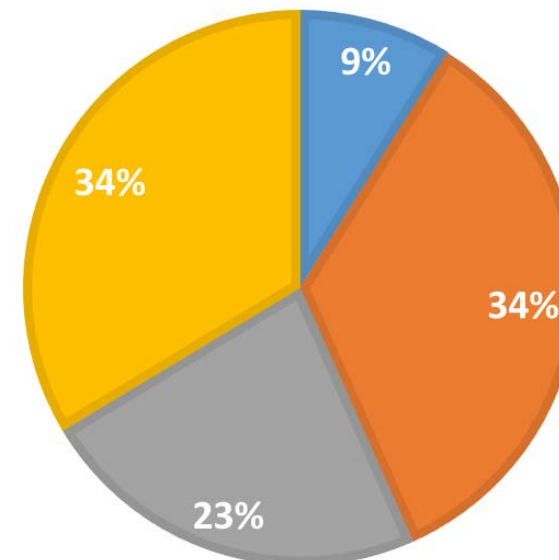
INSTITUTIONAL BREAKDOWN

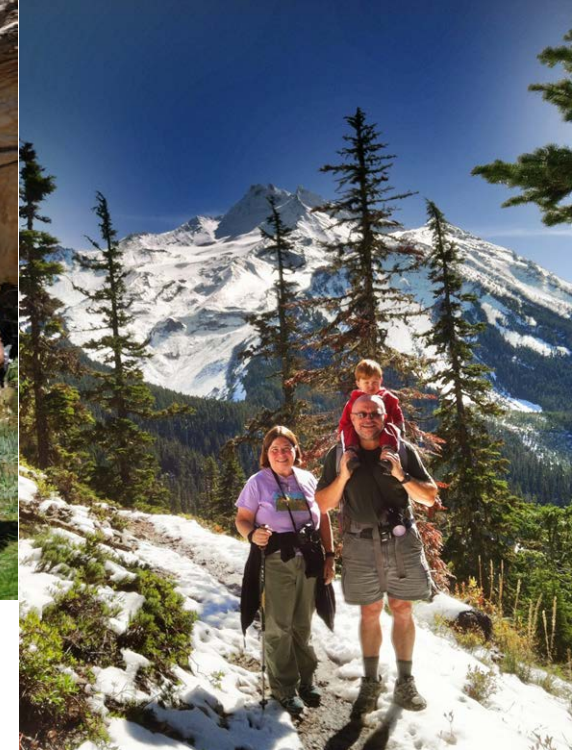
■ OSU ■ WSU ■ USDA ■ U of I ■ Other/Unknown ■ Partnerships



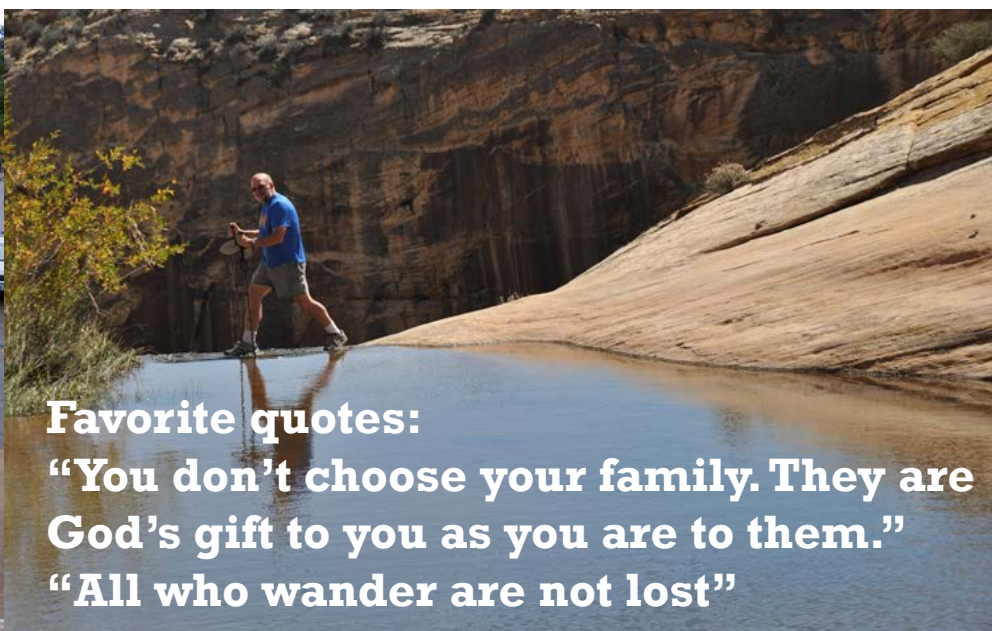
AREA OF STUDY BREAKDOWN

■ Pest Management ■ Processing ■ Production/Physiology





Happy Retirement!!



Favorite quotes:

"You don't choose your family. They are God's gift to you as you are to them."

"All who wander are not lost"



NCSFR FUNDING OVER THE YEARS

	2004	2016	2019
ARS Scientific Staff & Research Programs	\$2,829,013	\$3,636,269	\$3,636,269
NCSFR Competitive Funding Program	\$727,658	\$662,300	\$678,804
ARS-UI Cooperative Viticulture Research	\$110,000	\$99,574	\$0
Small Fruit Initiative – Plant Improvement	\$201,306	\$100,000	\$100,000
ARS Administrative Overhead	\$115,440	\$85,242	\$77,880
CSREES Funding	\$392,000	\$0	\$0
Total NCSFR Appropriations	\$4,375,417	\$4,583,385	\$4,415,073

