

**Dr. Pat Bowen**

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Pat Bowen is a Research Scientist at the Pacific Agri-Food Research Centre in Summerland where she leads a program in Sustainable Production of Quality Wine Grapes. She is a whole-plant physiologist and works mainly on grapevine developmental and physiological responses to vineyard resource supplies. In this area she is developing irrigation strategies for improving wine grape quality while conserving water, and is collaborating on research using cover crops and N fertilizer management to improve vine balance and vineyard ecology. She has also developed a geographic information system (GIS) for viticulture in the Okanagan and Similkameen valleys which is used to assess terroir and its interaction with management practices. Her current work in this area is exploring the influence of terroir on the character of varietal wines.

