

**Improving Sprinkler Frost
Protection In New Zealand
Vineyards
*Summary Report from 2005 Data***

**Prepared for:
Hawke's Bay Grape Growers Assn (Inc)
and other Stakeholders**

Report No LTE02129/2

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Incomplete

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Financial support	
The Sustainable Farming Fund	Financial support through grant No:04/ 060
Hawkes Bay Grape Growers Assn (Inc)	Cash
Irrigation Services (HB)	Cash contribution, trial installation and management, data retrieval
NaanDan	Cash
Deeco	Cash
Sileni Wine estate	Site provision, viticulture and site management, potential crop loss
Delegats Wine estate	In-kind contribution
Villa Maria	In-kind contribution
Project execution	
Hawkes Bay Grape Growers Assn (Inc)	Project oversight, reporting to SFF
New Zealand Winegrowers	Project support, critical comment
Irrigation Services (HB)	Trial design (frost protection), installation, data retrieval, trial maintenance
Lincoln Ventures Ltd	Trial design (data collection), data analysis, reports, extension

This work has been commissioned at the request of interested parties after the unsatisfactory results from our frost protection methods (more specifically sprinkler applied water), during several frost events in the spring of 2003. These parties include winegrowers (both grape growers and winemakers), Hawke's Bay Grape Growers Assn, irrigation design and installation companies through Hawkes Bay Irrigation Services and irrigation hardware supply companies through Naan Dan and Deeco.

Through the HBGGA, the group applied for funding in autumn 2004 but failed in this bid. With the help of considerable in kind finance, and delaying the analysis of results and some minor alterations in method, the design and installation of the trial proceeded, and data were collected during the winter and spring of 2004/5. Reapplying for finance from Sustainable Farming Fund (SFF) in autumn of 2004 was successful and the project has now been accelerated, and provided assurance of sufficient funds for data analysis and extension work.

Project Team

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