# YARIATION IN GRAPE YIELD AND QUALITY

## IN A COONAWARRA VINEYARD





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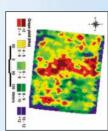


ed management within vineyards is: bility. However, an important question with implications for targetyield monitoring technology makes precision viticulture a real possi-**Background** The availability of accurate positioning systems and

variation in yield and/or soil properties Does spatial variation in fruit quality follow the same pattern as spatial

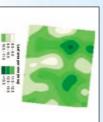
ed using a Gregoire G120 harvester fitted with a HarvestMaster  $^{TM}$  grape yield monitor. Close to harvest, several vine and fruit quality indices were assessed on 190 vines located on a regular grid within the same vineyard; an EM38 survey of the vineyard soils was also conducted A 6.5 ha block under 13 year old Cabernet Sauvignon was harvest-

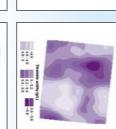
appear to be constant in space, an improved understanding of the relationships between the inputs to grape production systems and their outputs will be required if targeted management is to be and some aspects of quality. However, because covariation of soil and vine/grape indices does not Conclusions Careful soil management may promote greater control over variation in grape yield





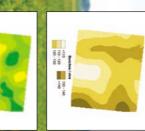
142-144 HI











Bunch supesure -0.14 -0.14 -0.15 -0.15 -0.15 -0.22







