

Weather station: Paul van der Byl building

The Department of Viticulture and Oenology and IWBT's new weather station has been recently set up at Welgevallen near to the Paul van der Byl building. Data is recovered with the aid of radio signals. The weather station is the first of its kind that are set up by the Institute of Soil, Climate, and Water at Infruitec (ISCW), as it is carried by a tripod design that hosts all the sensors and loggers, different than the Stevenson screen that was used earlier. Data can only be used locally for analysis, as the temperature sensor is surrounded by a gill screen in which the airflow can be different than that of the Stevenson screen. The data could later be compared to that of other weather stations in the area, when similar models will be present in other areas surrounding Stellenbosch. Funds for the purchase of the weather station came partly from the NRF Research Niche Area funding, as it will also form part of the analyses for model vineyards that are established at Welgevallen for research.



Weerstasie: Paul van der Bylgebou

Die Departement Wingerd- en Wynkunde / IWBT se nuwe weerstasie is onlangs op Welgevallen by die Paul van der Byl gebou opgesit. Die data word met behulp van radioseine afgelaai. Dit is die eerste van sy tipe wat deur die IGKW (Instituut vir Grond, Klimaat en Water, Infruitec, Stellenbosch) opgestel is, aangesien die model deur 'n driepoot geanker word wat al die sensors sowel as die loggers dra teenoor die Stevenson-skerm wat vroeër algemeen gebruik is. Die data kan net lokaal vir analyses gebruik word aangesien die temperatuur sensor deur 'n "gill screen" omring word waardeur die lugvloei veranderd is teenoor die lugvloei deur die Stevenson skerm. Die data kan vir vergelyking met ander weerstasies aangewend word sodra daar soortgelyke modelle in ander areas in Stellenbosch opgerig word. Die fondse vir die aankoop van die weerstasie is gedeeltelik afkomstig van die NRF Research Niche Area befondsing, aangesien die weerstasie ook deel vorm van die modelwingerde wat op Welgevallen gevestig is vir navorsing.