



**VINELOGIC
MODEL for
GRAPE VINE
GROWTH AND
WATER USE IN
AUSTRALIAN
VINEYARDS**





- **Water Balance based on DESTINY**
- **Overall structure based on CERES 3.5**
- **DSSAT type inputs**



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HORTICULTURE

VineLogic



- Phenology





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- Berry & bunch development
- Yield





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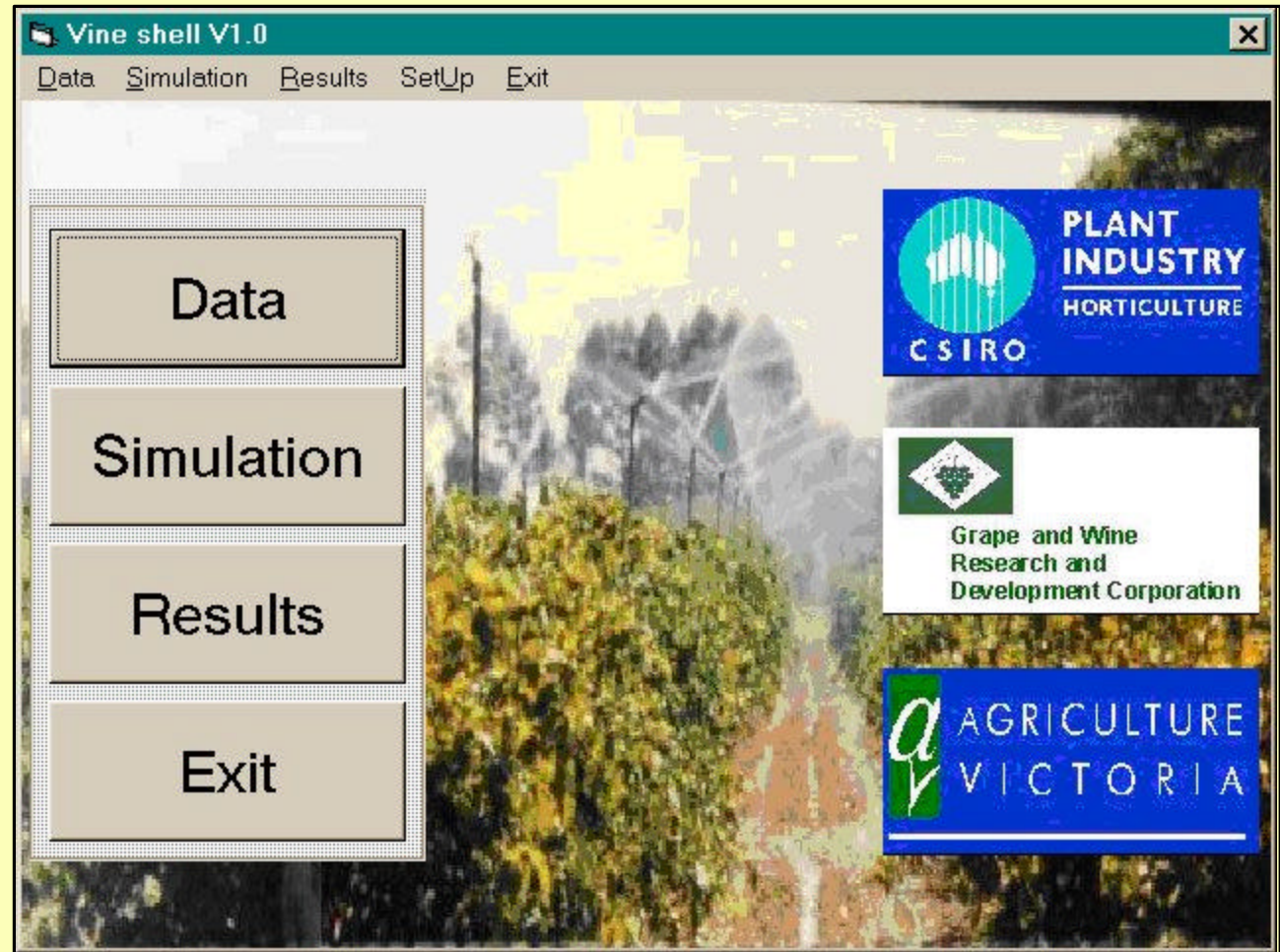


- Canopy growth
- Light interception



WINDOWS based
framework

operate
control input
set up run conditions
view outputs



- **Irrigation & water management strategies**
- **Canopy management strategies**
- **Salt and drainage management**
- **Crop yield estimation**
- **Vineyard location analysis**



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- **EDUCATION VERSION**
- **PROFESSIONAL EDITION**