

# Plant Phenomics Victoria, Horsham

**PLANT  
PHENOMICS  
VICTORIA**



The Plant Phenomics Victoria (PPV), Horsham facility is a \$7 million initiative by the Victorian Department of Economic Development, Jobs, Transport and Resources. The facility consists of a modern glasshouse and headhouse with laboratory space, growth chambers and a state-of-the-art automated high-throughput phenotyping system.



The automated phenotyping system consists of 600 pot carriers on a 250 m conveyer belt system for high-throughput imaging with two cameras, visible and hyperspectral.

This system can quickly and efficiently analyse plant growth and development. It will enable scientists to more quickly assess crop plants for traits such as drought and salinity tolerance as well as improved nutrient use efficiency.

The establishment of PPV aims to speed up and improve the assessment of crop plants to underpin faster delivery of new varieties for Victorian and Australian growers.

The establishment of the PPV complements the establishment of the Australian Grains Genebank, and aims to evaluate the genetic material contained within the genebank for valuable traits of interest to researchers, breeders and the grains industry.



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