

RGT Atlantis

RGT Atlantis is a high yielding barley that will improve paddock yields in areas where transient waterlogging is common.

ABILITY TO WITHSTAND WATERLOGGING TO ACHIEVE HIGH YIELDS

RGT Atlantis is new waterlogging tolerant barley with high yield potential in the medium and high rainfall zone areas. These areas with high yield potential can also experience periods of transient inundation during the growing season and this can limit the yield potential significantly.

RGT Atlantis has been bred from RGT Planet combined with a native waterlogging tolerant barley. This cross enables the plants to withstand periods of waterlogging via introduced structures called "aerenchyma". Normally waterlogged soils are low in oxygen and these aerenchyma allow oxygen to remain in the roots during extended periods of waterlogging and keep the plants growing.

It has a similar yield potential to RGT Planet when under non-waterlogged conditions but can significantly outyield RGT Planet (up to or more than 20%) when under waterlogging pressure.



Sowing Zones

Tasmania, NSW, S QLD, Victoria, SA and Southern WA

End Point Royalty
>\$4.25/tonne (excl. gst)



FEATURES

Excellent Seedling Vigour

Ability to withstand waterlogging

Short stiff straw with excellent standability

BENEFITS

- Can be sown in medium to high rainfall areas from April to early Spring
- Similar phenology to RGT Planet, with high yield potential and good leaf rust and powdery mildew resistance.
- Tested as RP22054

SOWING RATES

60-100KG/HA

Mid Flowering



Australian Release >2024



HOW RGT ATLANTIS WITHSTANDS WATERLOGGING

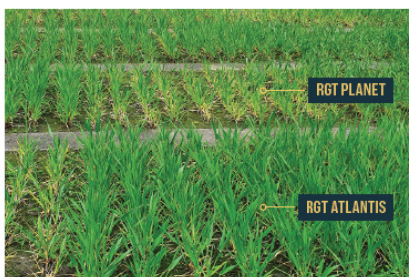


Figure 1: Performance of RGT Planet and RGT Atlantis after two months' waterlogging starting from 2.5 leaf stage.

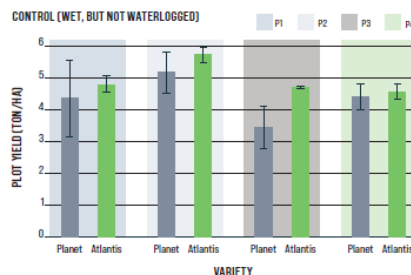
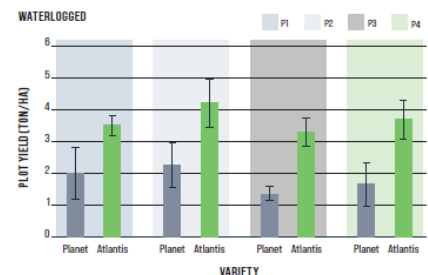


Figure 2: Performance of RGT Planet and RGT Atlantis under waterlogging conditions (starting from 2.5 leaf stage) with different N applications during the waterlogging period.



For information on disease resistance, please visit: nvtonline.com.au