

# RGT ATLANTIS

Ability to withstand waterlogging to achieve high yields



- > Excellent seedling vigour
- > Ability to withstand waterlogging
- > Short, stiff straw with excellent standability
- > 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



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Flowering



Australian  
Release > 2024



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# SPRING BARLEY

## RGT ATLANTIS

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

**Sowing Rates** 60-100KG/HA

The technical data in this document comes from test carried out by RAGT. The results obtained may vary according to agronomic and climatic conditions, as well as cultivation techniques. The technical data provided is for information purposes only and does not bind RAGT contractually.

RAGT0226-02 | Version 2 | Published 26/03/2026



### HOW RGT ATLANTIS WITHSTANDS WATERLOGGING

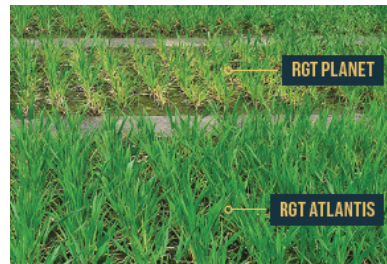


Figure 1: Performance of RGT Planet and RGT Atlantis after two months' waterlogging starting from 2.5 leaf stage.

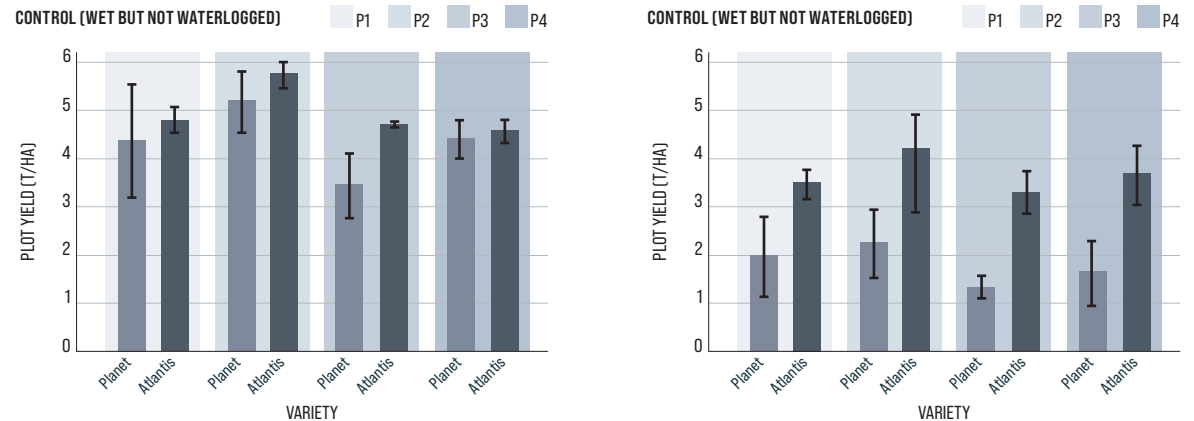


Figure 2: Performance of RGT Planet and RGT Atlantis under waterlogging conditions (starting from 2.5 leaf stage) with different applications during the waterlogging period.

For information on disease resistance, please visit: [nvtonline.com.au](http://nvtonline.com.au)

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