

Title	Glasshouse evaluation of seedling plant disease severity 2025 at Wagga Wagga, NSW of Rennan source of Stb20q resistance to Septoria tritici blotch and KASP marker development
Abstract	The data comprises 2 experiments Lancer x Renan (Stb20q) and Lancer2/Renan (Stb20q) conducted to collect seedling plant data for wheat reactions to infection with Septoria tritici blotch. For seedlings, single isolate WAI161 inoculum was used, reactions scored as STB_S 1-5 scale and Percent necrosis, Percentage of Pycnidia density covered on Necrosis recorded. Population size was 30 F2 plants for Lancer2 x Renan (Stb20q) and 45 F2:3 plants for Lancer x Renan (Stb20q). Glasshouse experiments conducted at Wagga Wagga Agricultural Institute (-35.05287,147347657). For example of methods used to collect data DOI: 10.3389/fpls.2022.990915, Multi-stage resistance to Zymoseptoria tritici revealed by GWAS in an Australian bread wheat diversity panel, N. Yang, B. Ovenden, B. Baxter, M. C. McDonald, P. S. Solomon and A. Milgate, Frontiers in Plant Science 2022 Vol. 13. Genotyping was carried out by DArT on the X66227 (Lancer/Renan) segregating population used to map the novel Stb20q loci and develop KASP markers. The X6228 (Lancer*2/Renan) segregating population was genotyped to validate Stb20q KASP markers.
Resource locator	
Data Quality Statement	Name: Data Quality Statement Protocol: WWW:DOWNLOAD-1.0-http--download Description: Data quality statement for Glasshouse evaluation of seedling plant disease severity 2025 at Wagga Wagga, NSW of Rennan source of Stb20q resistance to Septoria tritici blotch and KASP marker development Function: download
Unique resource identifier	
Code	405345b6-a84c-4929-955e-b988ff158dc0
Presentation form	
Edition	1
Dataset language	eng
Metadata standard	
Name	ANZLIC Metadata Profile: An Australian/New Zealand Profile of AS/NZS ISO 19115:2005, Geographic information - Metadata
Version	1.1
Dataset URI	https://data.iar.dpi.nsw.gov.au/dataset/405345b6-a84c-4929-955e-b988ff158dc0
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Spatial reference system	
Authority code	GDA94 Geographic (Lat\Long)

Code identifying the spatial reference system	4283
Topic category	Agriculture
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keyword value	AGRICULTURE-Crops
Originating controlled vocabulary	
Title	ANZLIC Search Words
Reference date	2008-05-16
Geographic location	
NSW Place Name	Wagga Wagga
Vertical extent information	
Minimum value	-100
Maximum value	2228
Coordinate reference system	
Authority code	urn:ogc:def:cs:EPSG::
Code identifying the coordinate reference system	5711
Temporal extent	
Begin position	2025-04-01
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Maintenance and update frequency	asNeeded
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