

Title	Glasshouse evaluation of seedling plant disease severity 2024 at Wagga Wagga, NSW of two sources of resistance to Septoria tritici blotch and KASP marker development
Abstract	The data comprises 2 experiments (WW2449 x Flech D'or (Stb14), Lancer x 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 180 RILF4 plants for WW2449 x Flech D'or (Stb14) and 110 F2 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 X6135 (WW2449/WW33612) RIL segregating population used to map the novel Stb_WAI_1DS loci and develop KASP markers. The X6129 (WW2449/WW33611) RIL segregating population was genotyped to map the novel Stb_WAI_3DL loci and develop KASP markers.
Resource locator	
Data Quality Statement	<p>Name: Data Quality Statement</p> <p>Protocol: WWW:DOWNLOAD-1.0-http--download</p> <p>Description:</p> <p>Data quality statement for Glasshouse evaluation of seedling plant disease severity 2024 at Wagga Wagga, NSW of two sources of resistance to Septoria tritici blotch and KASP marker development</p> <p>Function: download</p>
Unique resource identifier	
Code	ca508816-faca-410e-966f-440084622cd6
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/ca508816-faca-410e-966f-440084622cd6
Status	completed
Spatial reference system	
Authority code	GDA94 Geographic (Lat\Long)

Code identifying the spatial reference system	4283
Topic category	Agriculture
Keyword set	
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	2024-04-01
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Dataset reference date	
Date type	creation
Effective date	2023-12-01
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Date type	revision
Effective date	2025-06-13
Resource maintenance	
Maintenance and update frequency	asNeeded
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Constraint set

Use constraints	This data is provided under a Creative Commons Attribution 4.0 licence http://creativecommons.org/licenses/by/4.0 Attribute 'DPI' in publications using this data.
Limitations on public access	
Scope	dataset

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