

WHEAT GROWN ON ACID SOIL

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AIM

Evaluation of the ability of wheat varieties to tolerate acid/aluminum

BACKGROUND

Crop variety testing is the end evaluation of breeder lines prior to release. The crop variety program leads into the National Variety Testing program.

TRIAL DETAILS

Property	Dale Goodwin, Xantippe
Plot size & replication	20m x 1.51m x 3 replications
Soil type	Sandy loam
Sowing date	11/6/07
Seeding rate	50 kg/ha
Fertiliser (kg/ha)	11/6/07: 80 kg/ha Agras No. 1
Paddock rotation	2003 = Pasture, 2004 = Pasture, 2005 = Triticale, 2006 = Pasture
Herbicides	14/5/07: 1.2 L/ha Glyphosate 11/6/07: 2 L/ha Sprayseed + 1.6 L/ha Trilogy
Growing Season Rainfall	113mm

RESULTS

Table 1: Yield and yield as percentage of control of wheat varieties at east Dalwallinu.

Variety	Yield (Kg/ha)	% of Control (Wyalkatchem)
Gladius	364	166*
WAWHT2750	353	161*
Arrino	346	158*
Westonia	344	157*
Magenta	331	151*
EGA Bonnie Rock	329	150*
Yitpi	323	147*
TammarinRk	319	145*
WAWHT2856	310	141*
WAWHT2730	304	138*
Spear	293	133*
Calingiri	276	126*
Correll	276	126*
Cascades	265	121*
Yandanooka	249	113
BT-Schmbrk	248	113
Wyalkatchem	220	100
GBA Sapphire	208	95
Schomburgk	183	83*
* = significant (p=0.05).		
Mean	295	
CV	8.3	

COMMENTS

Pre Sowing: Dry seeded some moisture below seeding depth.

Early Season & Pre Harvest: Dry and hot days caused tipping.

CONTACT

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