

AH/APW WHEAT VARIETY TRIAL - MARCHAGEE

Crop Variety Testing Program, Department of Agriculture and Food, WA



Department of
Agriculture and Food



AIM

Evaluation of new and existing wheat varieties with AH and APW classification.

BACKGROUND

Crop variety testing is the end evaluation of breeder lines prior to release.

TRIAL DETAILS

Property	Clint, Ian and Helen Hunt, Marchagee
Plot size & replication	20m x 1.54m x 3 replicates
Soil type	Loamy gravel
Sowing date	16/5/08
Seeding rate	75 kg/ha
Fertiliser	16/5/08: 100 kg/ha Agstar Extra, 40 kg/ha Urea
Paddock rotation	2004 = Wheat, 2005 = Brown manured pasture, 2006 = Wheat, 2007= Canola
Herbicides, Insecticides & Fungicides	15/5/08: 1 L/ha Roundup 16/5/08: 200 mL/ha Dominex, 100 mL/ha Talstar, 1.5 L/ha Treflan 12/6/08: 1 L/ha Jaguar, 200 mL/ha Lontrel
Growing Season Rainfall	324mm

RESULTS

Table 1: Yield and percentage of control (Wyalkatchem) of wheat varieties sown at Marchagee.

Variety	Yield (kg/ha)	% of Control (Wyalkatchem)
IGW3119	4049	109
IGW3122	4017	108
IGW3120	3944	106
IGW3114	3898	105
IGW3121	3883	105
IGW3109	3869	104
IGW3102	3854	104
IGW3080	3777	102
Bumper	3775	102
IGW2980	3773	102
IGW3079	3754	101
IGW2979	3749	101
Wyalkatchem	3704	100
Brookton	3699	100
IGW3118	3692	100
IGW2981	3687	100
IGW3123	3658	99
IGW3103	3655	99
IGW3062	3641	98
Reeves	3638	98
IGW2975	3610	97
IGW2885	3576	97
IGW2976	3560	96
IGW3073	3550	96
Westonia	3544	96
Carnamah	3542	96
IGW3095	3524	95
IGW3110	3522	95
Magenta	3514	95
IGW3074	3508	95
IGW3115	3507	95
Spear	3503	95
IGW3066	3489	94

Variety	Yield (kg/ha)	% of Control (Wyalkatchem)
IGW2971	3483	94
IGW2972	3458	93
EGABonnie Rock	3449	93
IGW3087	3431	93
IGW2960	3416	92
IGW2952	3410	92
Kennedy	3382	91
Zippy	3355	91
IGW3093	3345	90
EGA Blanco	3330	90
IGW3106	3316	90*
EGA Blanco	3273	88*
Gladius	3222	87*
IGW3094	3222	87*
Cadoux	3214	87*
Yitpi	3098	84*
IGW3083	3069	83*
Cascades	3051	82*
IGW3096	3045	82*
Lang	3025	82*
IGW2886	2983	81*
IGW3105	2962	80*
IGW3097	2947	80*
ClearfdJNZ	2879	78*
* = Significantly different (P=0.05)		
Wheat Mean	3504	
Ave SED	153	
Wheat CV	5.4	

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