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## Yield analysis of historically significant wheat varieties.

M. W. Perry

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DEPARTMENT OF AGRICULTURE - Western Australia

Experimental Summaries

1982 Season

Contents: Yield analysis of  
Historically Significant  
Wheat Varieties.

See separate summaries for:

- i) D. Miers & M. Perry - Growth Regulators
- ii) A. Hamblin, D. Tennant, M. Perry  
- Wheat Yield Potential Trial -  
Wongan Hills.

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A/SENIOR RESEARCH OFFICER  
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YIELD ANALYSIS OF HISTORICALLY SIGNIFICANT WHEATS

82N5/3722EX

AIM: To study the changes in adaptation and yield potential which have occurred in response to wheat breeding in Western Australia.

Detail: Sown 1 July, 1982.

VARIETY	YIELD KG/HA	YIELD % OF GAMENYA
Gamenya	1769	100
P.S. 883	1125	64
P.S. 888	1065	60
Steinwedel	1639	93
Gluyas Early	1324	75
Federation	1176	67
Alpha	1005	57
Nabawa	1074	61
Carrabin	1824	103
Merredin	1324	75
S.H.J.	1218	69
Glucclub	1384	78
Noongar	1769	100
Bencubbin	1435	81
Bungulla	1144	65
Kondut	1273	72
Gabo	1782	101
Insignia	1569	89
Wongoondy	1616	91
Falcon	1648	93
Darkan	1579	89
Bokal	1676	95
Egret	1384	78
Madden	1778	101
Tincurrin	1718	97
Bodallin	1870	106
Miling	1509	85
Warimba	1713	97
Halberd	1569	89

Comment: Bodallin the highest yielding individual variety.

YIELD ANALYSIS OF HISTORICALLY SIGNIFICANT WHEATS

82C4/3722EX

Chapman Research Station Nabawa.

AIM: To study the changes in adaptation and yield potential which have occurred in reponse to wheat breeding in Western Australia.

Detail: Sown 5 July, 1982.

VARIETY	YIELD KG/HA	YIELD % OF GAMENYA
Gamenya	1734	100
P.S. 883	1317	76
P.S. 888	1397	81
Steinwedel	925	53
Gluyas Early	1484	86
Federation	1306	75
Alpha	1302	75
Nabawa	1563	90
Carrabin	1544	89
Merredin	1825	105
S.H.J.	1671	96
Glucclub	1508	87
Bencubbin	1512	87
Bunbulla	1790	103
Kondut	1623	94
Gabo	1593	92
Insignia	1651	95
Wongoondy	1635	94
Falcon	1667	96
Darkan	2071	119
Bokal	1544	89
Egret	1563	90
Madden	1623	94
Tincurrin	1988	115
Bodallin	1829	106
Miling	1623	94
Warimba	1825	105
Halberd	1603	92

Comment: Good yields despite late sowing. Darkan and Tincurrin the highest yielding varieties.

YIELD ANALYSIS OF HISTORICALLY SIGNIFICANT WHEATS

82SG4/3722EX

AIM: To study the changes in adaptation and yield potential which have occurred in response to wheat breeding in Western Australia.

Detail: Sown 21.5.82.

VARIETY	YIELD KG/HA	YIELD % OF GAMENYA
Gamenya	454	100
P.S. 883	196	43
P.S. 888	296	65
Steinwedel	413	91
Gluyas Early	540	121
Federation	238	52
Alpha	438	97
Nabawa	375	83
Carrabin	413	91
Merredin	446	98
S.H.J.	354	78
Gluclub	479	106
Noongar	463	102
Bencubbin	483	106
Bungulla	604	133
Kondut	367	81
Gabo	554	122
Insignia	404	89
Wongoondy	425	94
Falcon	546	120
Darkan	629	138
Bokal	517	114
Egret	433	95
Madden	521	115
Tincurrin	704	155
69W17-3	629	139
Miling	596	131
Warimba	538	119
Halberd	513	113
Option	588	130

Comment: Tincurrin and Darkan the highest yielding individual varieties.

YIELD ANALYSIS OF HISTORICALLY SIGNIFICANT WHEATS

82M6/3722EX

MERREDIN RESEARCH STATION

AIM: To study the changes in adaptation and yield potential which have occurred in response to wheat breeding in Western Australia.

Detail: Sown 14.6.82

VARIETY	YIELD KG/HA	YIELD % OF GAMENYA
Gamenya	898	100
P.S. 883	364	41
P.S. 888	541	60
Aust. Tala	329	37
Lambrigg WL	342	38
Hudsons EPS	338	38
Du Toit	367	41
Steinwedel	337	38
Gluyas Early	567	63
Federation	504	56
Alpha	557	62
Florence	496	55
Nabawa 669	366	41
Carrabin	639	71
Merredin	638	71
S.H.J.	554	62
Glucub	561	62
Bencubbin	403	45
Bungulla	640	71
Kondut	530	59
Gabo	670	75
Insignia	579	64
Wongoondy	685	76
Falcon	617	69
Darkan	647	72
Bokal	689	77
Egret	663	74
Madden	783	87
Tincurrin	733	82
Miling	770	86
Warimba	707	79
Bodallin	807	90
Halberd	693	77
WW33	698	78
Nuri 70	729	81
Option	732	82

Comment: No variety outyielded Gamenya in this trial.

YIELD ANALYSIS OF HISTORICALLY SIGNIFICANT WHEATS

82WH7/3722EX

WONGAN HILLS RESEARCH STATION

AIM: To study the changes in adaptation and yield potential which have occurred in response to wheat breeding in Western Australia.

Detail: Sown 22.6.82

VARIETY	YIELD KG/HA	YIELD % OF GAMENYA
Gamenya	2117	100
P.S. 883	712	34
P.S. 888	1765	83
Aust. Tala	808	38
Lambrigg WL	983	46
Hudsons EPS	926	44
Du Toit	956	45
Steinwedel	758	36
Gluyas Early	1580	75
Federation	1244	59
Alpha	857	40
Florence	1431	68
Nabawa 669	1175	55
Carrabin	1415	67
Merredin	1292	61
S.H.J.	1354	64
Glucclub	1334	63
Bencubbin	1204	57
Bungulla	1508	71
Kondut	1660	78
Gabo	1947	92
Insignia	1547	73
Wongoondy	1733	82
Falcon	1826	86
Darkan	1818	86
Bokal	1977	93
Egret	1521	72
Madden	2117	100
Tincurrin	1938	92
Miling	1835	87
Warimba	1786	84
Bodallin	2118	100
Halberd	1873	88
WW33	1557	74
Nuri 70	1988	94
Option	1639	77

Comment: Bodallin, Madden and Gamenya the highest yielding individual varieties.