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Crop Updates - New wheat and oat varieties for 1999

New wheat and oat varieties for 1999

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NEW WHEAT WAWHT2050

Pedigree: Spear/Bodallin.Eradu(79W781).

Maturity: Similar to Carnamah.

Height: Similar to Carnamah.

Quality: Hard Grained with potential for Australian Hard.

Yield: Overall similar to Carnamah, the highest yielding AH variety. Most suited to medium and low rainfall areas.

Disease rating: Septoria nodorum S

Septoria tritici blotch MS

Yellow Spot MS-MR

Stem Rust S

Stripe Rust MS-MR

Leaf Rust S

Other features: Tolerant to Aluminium toxicity.

Tolerant to Boron Toxicity.

NEW WHEAT WAWHT2092

Pedigree: 77W660/Eradu.

Maturity: Similar to Arrino, 2 days later than Eradu.

Height: 4 cm shorter than Spear.

Quality: Soft Grained with potential for ASWN.

Yield: Overall similar to Arrino in low rainfall areas.

Disease rating: Septoria nodorum S

Septoria tritici blotch MS

Yellow Spot MS

Stem Rust R (Sr2 Durable resistance)

Stripe Rust MR (Adult Plant resistance)

Leaf Rust MS - MR

The best combination of Rust resistance in a ASWN variety.

Other features: Larger grain size than Arrino.

Tolerant to Aluminium toxicity.

Limitation: More vulnerable to Black Point than Eradu.

Area of application limited to L2 and L3 areas.

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NEW OAT VARIETY FOR 1999 NEW OAT WAOAT2052

WAOAT2052 Pedigree: Mortlock/Echidna//OT207/Swan

WAOAT2052 is tall dwarf feed quality oat.

WAOAT2052 has improved groat per cent, hectolitre weight, and grain plumpness compared with Dalyup.

WAOAT2052 has superior feed quality to Dalyup and Potoroo.

WAOAT2052 outyields Dalyup and Potoroo in most regions of WA. Table 1. Yield performance of WAOAT2052 in Western Australia compared with other varieties. Yield is expressed as a percent of Dalyup

	VH4	VH5	H2	H3	H4	H5	M2	M3	M4	M5
WAOAT2052	103	-	106	105	104	100	107	-	108	104
Dalyup	100	-	100	100	100	100	100	-	100	100
Mortlock	84	-	82	83	77	82	85	-	86	86
Needilup	99	-	99	97	96	98	99	-	98	98
Potoroo	102	-	107	104	101	103	107	-	105	104
Quoll	94	-	96	93	95	97	96	-	92	95

Table 2. Grain quality of WAOAT2052 in Western Australia compared with other cultivars

	Minl brgt L	Hect wt kg	Prot db %	Free groat %	Groat %	Groat wt mg	Grain wt mg	Siv > 2.0 mm %	Siv < 1.5 mm %	Oil db %	Groat beta glucan %
1994 95 96											
WAOAT2052	60.8	52.0	12.4	6.9	72.1	27.1	38	95.6	0.0	6.2	5.9
Dalyup	61.3	49.8	12.5	4.6	69.0	25.1	36	93.0	0.1	5.6	5.7
No. trials	4	4	4	4	4	4	4	4	4	4	4
1994 95 96											
WAOAT2052	60.8	52.0	12.4	6.9	72.1	27.1	38	95.6	0.0	6.2	5.9
Mortlock	57.8	53.9	13.1	6.0	72.5	29.7	41	95.4	0.1	5.8	5.7
No. trials	4	4	4	4	4	4	4	4	4	4	4
1995 96											
WAOAT2052	60.8	52.0	12.4	6.9	72.1	27.1	38	95.6	0.0	6.2	5.9
Potoroo	61.8	47.7	11.2	8.4	71.8	24.2	34	88.5	0.2	6.6	4.5
No. trials	4	4	4	4	4	4	4	4	4	4	4

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