

# Oat variety and grade update – December 2014

The GIWA Oat Council is one of seven councils of the Grain Industry Association of Western Australia Inc (GIWA) that represent the interests of the grain value chain in Western Australia.

As a member-based incorporated association, GIWA's purpose is to grow the value and profitability of the Western Australian grain industry through:

- leadership and industry self-regulation
- communication and information exchange
- capacity building and solutions for grain value chain issues such as new classification, varietal and standards reviews



**GIWA**  
Grain Industry Association  
of Western Australia

[www.giwa.org.au](http://www.giwa.org.au)

# Oat variety and grade update

## Grain oats – shifting the focus from feed to food.

The Western Australian milling oat industry is export focused with both direct exports of milling grain and value-added processed product. While demand for feed oats is limited, the GIWA Oat Council has received consistent positive feedback from exporters of WA oat grain regarding the growth in demand for oat based food products in Asia and elsewhere.

Demand for milling oats for human consumption is growing, where as there is frequently an oversupply of feed grade oats. This oversupply includes the Wandering variety which has very specific markets in the race horse industries in Asia.

To enable Western Australia to further develop oat markets the industry must consider how better to accumulate milling oat grade grain for export and domestic processing requirements.

## Oat grade segregations for 2015/16:

Market demand, pricing signals and the location of storage segregations should be considered together with agronomic management when determining which varieties to plant. Growers are encouraged to accurately inform CBH how much of each variety they are growing when returning their grower estimate forms, as this assists CBH with planning oat segregations.

Grade ID	Oat1	Oat2	OWAN1
<b>Purpose</b>	Premium Food Grade Milling & Processing	Food Grade Milling & Processing	Premium export grade for racehorse industry
<b>Varieties</b>	All Milling Varieties Refer Table Below	All Milling Varieties and Wandering (1) Refer Table Below	Wandering (1)
<b>Change</b>	Add Williams (1) Refer Table Below	<b>Remove All Minor Non Milling (feed, hay) Oats - Refer List Below</b>	No Change
<b>Receival Standards</b>	No change as Oat1	No change as Oat2	No Change as OWAN1

## Realigning OAT2 grade from feed to food uses

Meeting this growth potential for human consumption can be achieved by **realigning the OAT2 grade to become a second milling-only food grade segregation.**

This requires the removal of minor feed and hay varieties from the bulk handling system for OAT2. Grain of minor feed and hay varieties may still be marketed through oat processors and traders, subject to market demand. Please check with individual companies prior to planning the 2015/16 cropping program.

## Varieties which will no longer be accepted into Oat2 in the CBH system after the 2014/15 harvest:

Avon, Ballidu, Bandicoot, Bettong, Brusher, Bulban, Cassia, Condamine, Cooba, Dale, Dalyup, Dolphin, Echidna, Esk, Euro, Fulmark, Glider, Hakea, Hill, Irwin, Kalgan, Kangaroo, Kent, Lort, Marloo, Massif, Moore, Mulgara, Murray, Needilup, Numbat, Possum, Potoroo, Quoll, Stout, Swan, Toodyay, Tungoo, Vasse, Wallaroo, West, Winjardie, Wintaroo, Wongan and Yilgarn.

## WA: accepted oat varieties for the 2015/16 harvest:

Variety	Classification	Grade		
		OAT1 Premium Milling	OAT2 Standard Milling	OWAN1 Oats Wandering
Bannister (new 2012) (1)	Milling	✓	✓	-
Carrolup	Milling	✓	✓	-
Coomallo	Milling	✓	✓	-
Hotham	Milling	✓	✓	-
Kojonup (1)	Milling	✓	✓	-
Mitika (1)	Milling	✓	✓	-
Mortlock	Milling	✓	✓	-
Pallinup (1)	Milling	✓	✓	-
Wandering (1)	Wandering	-	✓**	✓
Williams (new 2013) (1)	Milling	✓	✓	-
Yallara (1)	Milling	✓	✓	-

\*\* Received into OAT2 for 2015/16 harvest but subject to future review. OWAN1 is a variety specific segregation for Wandering Oats to meet specific feed market requirements.

# Oat variety and grade update

## Important information for dual purpose hay growers

Export hay production is servicing key established markets in Japan, South Korea and Taiwan and markets in China and the Middle East are being developed. Export hay is produced using specialist hay varieties or dual purpose varieties which can be cut for hay or harvested as grain subject to seasonal conditions. Check with hay buyers for specific varietal requirements for export hay. In order to take hay crops through to harvest AND deliver grain into the bulk handling system, please note the changes on varietal composition of OAT2 receivals for the 2015/16 harvest and beyond, as outlined above.

Growers wishing to deliver dual purpose oats to CBH receival points are encouraged to consider newer milling varieties such as Williams or Bannister, subject to export oaten hay industry acceptance of these new varieties for export hay.

## Oat varietal summary

### New Oat Variety: Williams **Ⓛ** \*\*\*NEW 2013\*\*\*

A new high yielding benchmark oat variety for Western Australian production.

Approved for milling classification in March 2014, eligible for delivery into OAT1 or OAT2.

Expected to enhance on-farm oat profitability as well as Western Australia's reputation as a world leader in the production of high quality milling oats for export.

A more profitable and productive alternative to high yielding feed oats.

Mid-tall oat, slightly taller than Kojonup and about 10cm shorter than Carrolup.

Early maturing, flowers slightly earlier than Carrolup and 7-10 days earlier than Kojonup.

Good straw strength and standability. Good disease resistance including improved response to septoria avenae blotch, in addition to leaf and stem rust resistance.

Exceptional green leaf retention in 2013, good potential as a dual purpose grain/hay variety that can be delivered into OAT1 or OAT2 if not cut for hay, subject to normal receival standards.

Released in 2013 by the National Oat Breeding Program, through the Department of Agriculture and Food, Western Australia, available through Heritage Seeds ([www.heritage-seeds.com.au](http://www.heritage-seeds.com.au)).

For further information visit [www.agric.wa.gov.au/crops/grains/oats](http://www.agric.wa.gov.au/crops/grains/oats).

### Bannister **Ⓛ** \*\*\*NEW 2012\*\*\*

Bannister is a high yielding oat with milling quality and wide adaptation for Western Australia.

Good quality parameters and improved stem rust and leaf rust resistance.

Similar in height to Wandering, it averages 11cm taller than Kojonup and 5cm shorter than Carrolup.

Mid season maturity. Similar in heading time to Wandering, three days later than Carrolup and four days earlier than Kojonup.

Shattering susceptibility is similar to other dwarf varieties and a marked improvement on the tall variety Carrolup.

More lodging susceptible than Wandering and Kojonup and similar to Carrolup.

Released in 2012 by the National Oat Breeding Program, through the Department of Agriculture and Food, Western Australia, available through the Seednet distribution network ([www.seednet.com.au](http://www.seednet.com.au)).

For further information visit [www.agric.wa.gov.au/crops/grains/oats](http://www.agric.wa.gov.au/crops/grains/oats).

### Carrolup

Widely sown as a premium milling variety and the most commonly grown export hay variety (a good dual purpose variety).

Carrolup is a tall variety with lower yields than new milling varieties Bannister and Williams.

Released in 1993 by the Department of Agriculture and Food, Western Australia (DAFWA).

# Oat varietal summary

## Coomallo

An early maturing milling variety that is adapted to low and medium rainfall areas.

Has a lower hectolitre weight than other milling varieties but does have a high level of disease resistance including for barley yellow dwarf virus (BYDV) risk situations.

Coomallo was released in 1996 by DAFWA.

## Hotham

A milling variety suitable for early sowings, now non-competitive with new high yield milling grade varieties.

Released in 1997 by DAFWA.

## Kojonup

A well adapted and widely grown milling variety, the first dwarf variety to be accepted for use as milling in Western Australia.

While now less competitive than Bannister and Williams, its yield is similar to the dwarf feed variety Wandering and up to 20 per cent higher than non-dwarf milling variety Carrolup.

Its short stature is similar to the height of Dalyup and slightly shorter than Wandering.

Excellent grain quality, large seed size, high groat percent and hectolitre weight, good grain brightness and protein and low screenings.

Released in 2005 by DAFWA. Seed of Kojonup is free-to-trade.

## Mitika

An early maturing dwarf milling oat variety with physical grain quality similar to Mortlock.

Yield of Mitika is an improvement on Carrolup but is now less competitive compared to new milling oat varieties.

Late sowing and some soil types (including gravel) may lessen Mitika's ability to meet the minimum milling receival standard for hectolitre weight.

## Mortlock

Is considered a high quality milling oat but is not competitive with new milling oat varieties.

Mortlock was released in 1983 by DAFWA.

## Pallinup

Pallinup is milling variety suited to a broad range of sowing times but now non-competitive with new high yield milling grade varieties.

If sown late can have a low hectolitre weight and is prone to lodging in high yielding environments.

Not an accepted variety for the export hay market due to its palatability.

Released in 1994 by DAFWA.

## Wandering

A dwarf feed variety that has received recognition by the export feed market, especially the horse feed industry.

A special segregation at selected WA receival sites for Wandering has been in place since 2005.

Also accepted as an export hay variety.

Wandering is suited to mid to late sowings and has good hectolitre weight.

Susceptible to leaf and stem rust.

Wandering was released in 1999 by DAFWA.

## Yallara

A milling variety released in 2008 by the National Oat Breeding Program through the South Australian Research and Development Institute that became available to Western Australian growers in 2010.

Less competitive than new high yield milling grade varieties.

# Acknowledgements

GIWA would like to acknowledge the Department of Agriculture and Food, Western Australia ([www.agric.wa.gov.au](http://www.agric.wa.gov.au)) for information on oat varieties for Western Australia, and the support of the National Oat Breeding Program, South Australian Research and Development Institute ([www.sardi.sa.gov.au](http://www.sardi.sa.gov.au)).



## Grain Industry Association of Western Australia (GIWA)

PO Box 1081  
Bentley DC, WA 6983  
Phone: 08 6262 2128  
Email: [info@giwa.org.au](mailto:info@giwa.org.au) • Web: [www.giwa.org.au](http://www.giwa.org.au)