

Higher Yielding Black Gram



MAIN ADVANTAGES

Onyx-AU[Ⓢ] is a black gram (*Vigna mungo*), which is a different species from mungbean (also known as green gram, scientific name *Vigna radiata*). Black gram has distinctly different biology, production and markets.

Black gram is supplied into a niche market for Australian growers. Since the release of Regur in 1975, Australian growers have only had a single black gram variety to access this niche market.

SEED PROTECTION & ROYALTIES

Onyx-AU[Ⓢ] is protected under Plant Breeder's Rights (PBR) legislation. Growers can only retain seed from their production of Onyx-AU[Ⓢ] for their own use.

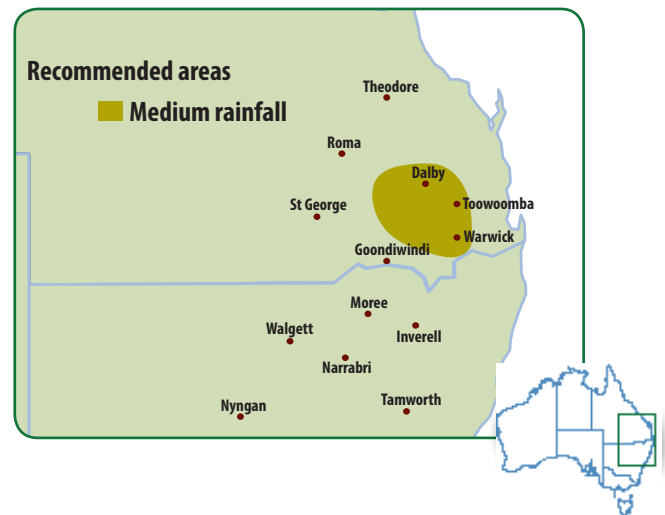
A Seed Royalty, which includes breeder royalties, applies at the point of sale. This royalty contributes directly to the National Mungbean Improvement Program and is re-invested in research to develop future mungbean varieties.

KEY FEATURES

- Onyx-AU[Ⓢ] is a new black gram variety for niche pulse markets. It is a direct replacement for Regur
 - Growers are advised to consult their marketer as a first step in their crop planning
- Onyx-AU[Ⓢ] has been, on average, 11% higher yielding than Regur in southern Queensland trials. Unreplicated evaluation indicates superior yield performance on the Darling Downs, northern New South Wales and Liverpool Plains.
- Onyx-AU[Ⓢ] reaction to halo blight is superior to current large green-seeded mungbean such as Crystal[Ⓢ] and Jade-AU[Ⓢ].

AREA OF ADAPTATION

Onyx-AU[Ⓢ] has had limited evaluation in southern Queensland, Darling Downs and northern New South Wales. It is well-suited to the same areas where Regur has been produced successfully. **Onyx-AU[Ⓢ] has not been evaluated in central Queensland.**



AGRONOMIC TRAITS

Onyx-AU[®] is shorter in stature and the growing season is longer than current large green-seeded mungbean varieties. It flowers and sets pods from lower in the canopy so the selection of level and uniform paddocks is an even greater consideration than for green mungbean.

Recognition of crop growth stages and effective scouting and management of insect pests demands more care than in the production of green mungbean.

Onyx-AU[®] has similar plant type and requires similar management to Regur. **It is recommended to experienced black gram growers.**

- Flowering is similar to Crystal[®] and Jade-AU[®], and 3–5 days earlier than Regur.
- Maturity is later than Crystal[®] and Jade-AU[®], comparable to Regur.

HARVEST

Planning for harvest should take account of the fact that Onyx-AU[®] has a shorter plant height than green mungbean and carries its pods closer to the ground.

GRAIN QUALITY

Onyx-AU[®] is a direct replacement for Regur in premium black gram markets.

AMA APPROVED SEED

Only purchase seed that is clearly labelled as AMA Approved Seed.

This seed has been harvested from dedicated seed crops that have been inspected to ensure minimal risk of the seed borne diseases tan spot and halo blight.

Seed is available from your local AMA member or seed re-seller.



MARKETING

Black gram has, in the past, been a limited niche market. However, larger volumes are needed to satisfy the growing demand for Australian-produced black gram due to its superior quality compared to product from other countries.

Black gram is still a specialty market and consultation with the marketer is recommended before making the decision plant.



Onyx-AU[®]



Regur

BREEDING

The National Mungbean Improvement Program is a co-investment of Queensland Department of Agriculture and Fisheries (DAF) and the Grains Research and Development Corporation (GRDC).

Onyx-AU[®] (evaluated as M10452) is a cross between ATF2062 and Regur.

Released by the National Mungbean Improvement Program under license to the Australian Mungbean Association (AMA) in 2017.

ENQUIRIES

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