

# Productivity Highlights

No 7 October 2008

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## Agras - Still WA's most complete fertiliser

### Background

The use of Agras underpinned the expansion of cropping in Western Australia during the 1970s.

- In many areas, Agras use declined during the 1990s with the adoption of higher P analysis fertilisers.
- Agras was reformulated in 2002 to contain more phosphorus – 10% P, 16.8% N, 14.2% S and 0.06% Zn.
- Agras is also available with additional manganese, copper, zinc and molybdenum.

### Key Results

Agras is a premium cropping fertiliser with:

- Uniform granule sizing.
- Low moisture absorption.
- High granule hardness.

This results in:

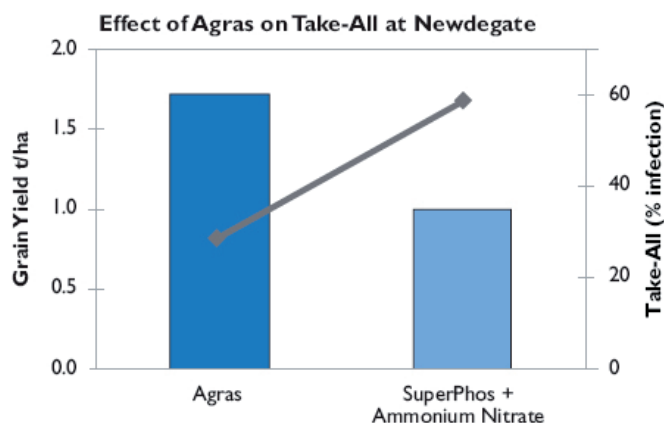
- Excellent storage properties over long periods.
- Little dust.
- No blockages through machinery and hence uniform application.

Unlike DAP and other fertilisers, Agras develops a zone of acidity around the granule as it dissolves.

- This acidity suppresses root diseases such as Take-All, and makes phosphorus, manganese and zinc more available.
- Recent field trials with new Agras are again demonstrating the benefits of Agras over other cropping fertilisers.

### Summary

- Agras is a premium handling and storing fertiliser.
- Agras now has 30% more phosphorus.
- Agras Zinc has high zinc levels in every granule – ideal for soils susceptible to zinc deficiency.
- Agras also suppresses root diseases and enhances phosphorus and trace element uptake, particularly zinc.



12 kg P/ha applied as AgNP (left) and Agras (right) at Many Peaks in 2003



10 kg P/ha applied as DAP banded at Kuninoppin in 2003



10 kg P/ha applied as Agras banded at Kuninoppin in 2003