

# SORGHUM TRIAL 2013-14

A replicated trial of CataPult<sup>®</sup> was conducted at Spring Ridge, NSW, Australia, by independent agronomists from Kalyx Australia Pty Ltd. Despite the trial yields being decreased due to several very dry months, CataPult<sup>®</sup> increased yields, while enabling reduced application rates of fertiliser.

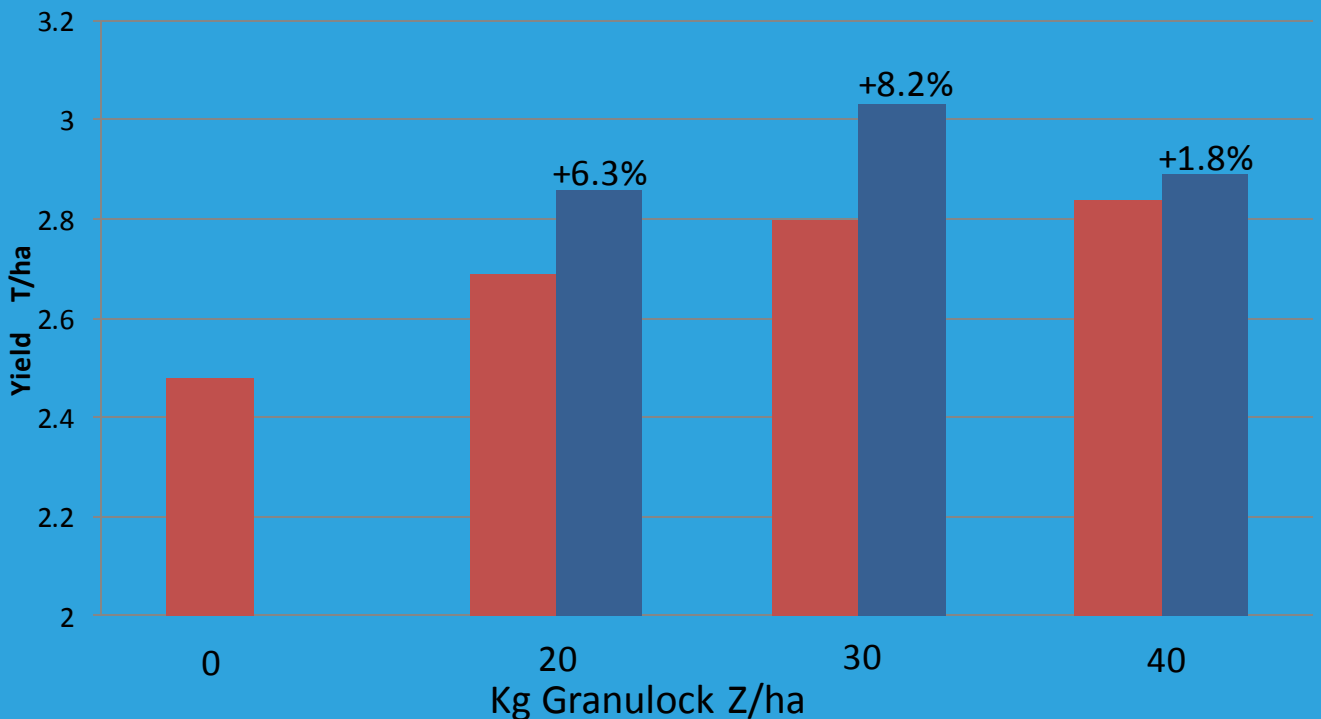


**RELEASE & CATCH TECHNOLOGY™**

## Main Results

- CataPult<sup>®</sup> Prill plus 30 kg/ha Granulock (reduced from the standard 40 kg/ha) produced the highest yields in the trial
- CataPult<sup>®</sup> plus 20 kg/ha gave equivalent yield as the standard 40 kg/ha alone. At 20 kg/ha Granulock CataPult<sup>®</sup> increased yield by 6.3% over the non-CataPult<sup>®</sup> plots.
- At 30 kg/ha Granulock the CataPult<sup>®</sup> plots yielded 8.2% higher than the non-CataPult<sup>®</sup> plots
- Use of CataPult<sup>®</sup> plus 30 kg/ha Granulock gave a profit increase over the standard farm practice (40 kg/ha Granulock) and in a good season this benefit will increase.

**CataPult<sup>®</sup> is now available as CataPult Power Inoculum for liquid injection and fertigation**



**Trial details.** Sorghum, cv Buster. CataPult applied at seeding, 3/12/13, harvested 28/4/14. Rainfall: Dec 12 mm Jan 2 mm Feb 40 mm Mar 156 mm.

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# VAM trial – wheat – Cressy, Victoria – 2012

This wheat trial was performed by an independent agronomist in 2012 in a high yielding wheat system at Cressy, Victoria. The trial tested the product that CataPult is based on. It did not contain *Bacillus* but contained the same high grade VAM produced in Australia.

Treatment	Standard	Treat. A	Treat. B	Treat. C	Treat. D
DAP kg/ha (Cost \$/ha)	100 (\$83)	100 (\$83)	50 (\$42)	50 (\$42)	0 (\$0)
VAM product	Zero	Standard rate	Standard rate	Zero	Reduced rate
Yield (kg/ha)	6974	7292	7799	7161	7255
Net return (\$ increase & % inc. versus Standard)	\$1869 (\$0, 0%)	\$1932 (\$63, +3.4%)	\$2115 (\$246, +13.2%)	\$1963 (\$94, +5%)	\$2011 (\$142, +7.6%)

## Effect on Net Profit

- Reduced DAP costs increased profits when VAM product costs were included
- Highest yield was recorded in **Treatment B (50% DAP, plus VAM)** with 7.80 T/ha (13.6% inc.) versus 6.97 T/ha for standard DAP rates alone.
- **Treatment B (50% DAP rate plus VAM) gave a \$246 increase in Net Profit per hectare.**

Assumed: wheat price \$280/T, DAP \$830/ha, VAM \$22/ha