



***Loveland***  
***AGRI PRODUCTS*** <sup>TM</sup>

## **Trial Data**

NutriSync D - Chickpea

Cooby, QLD & Manly, QLD

# Trial Setup

- Commercial demonstration
- Harvested area - 300m X 10.7m X 4 rows/ treatment

**Planting date:** *May*

**Site:** *Cooby, QLD*

**Variety:** *Kyabra @ 50kg/ ha (sown 7 inches deep chasing moisture)*

**GSP:** *Sowing Fertiliser: Yarra Nipro Hydrofert Beta @ 15lt/ ha + Foundation @ 2.5lt/ ha + Freeze dried inoculant*

**Protocol:** *Pre Sow: Glyphosate 450 @ 1.5lt/ ha*  
*PSPE: Terbyne @ 850gm/ ha + Balance @ 50gm/ ha*  
*Post Emergent: 17-07-16 - Methomyl + Awaken + NutriSync D + LI700 @*  
*1.8lt/ ha + 800ml + 20ml/ ha + 250mL/ 100lt Water*  
*Post Emergent: 18/08/16 - Altacor + NutriSync D + SP700 + Genwet 1000 @*  
*70gm/ ha + 400ml/ ha + 100mL/ 100lt + 200mL/ 100lt Water*  
*Spray out: 21/09/16 - Glyphosate 450 + Metsulfuron + Liberate + AMS @*  
*1.6lt + 5gm/ ha + 250mL/ 100lt + 1kg/100lt Water*

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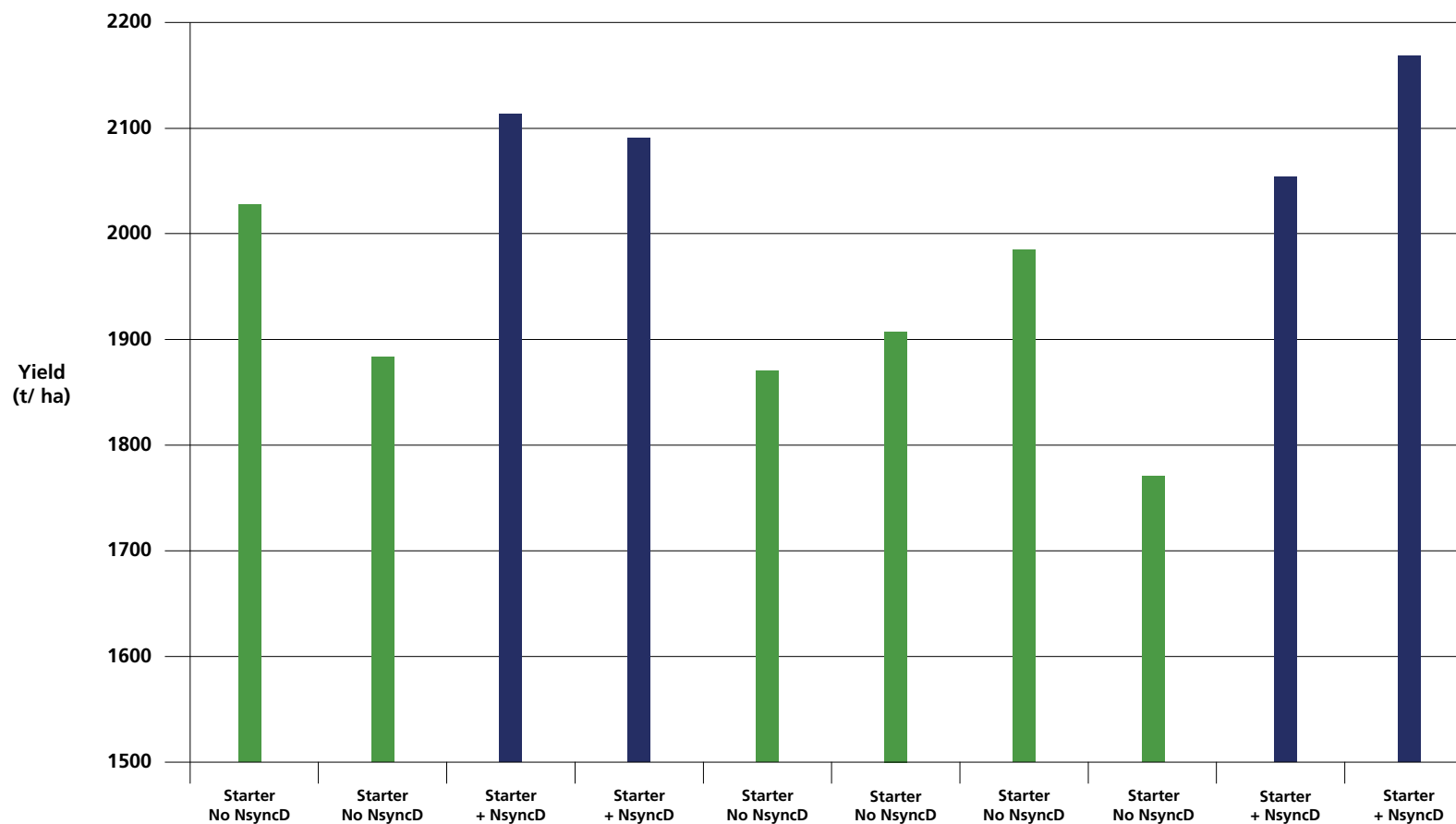
# Chickpea Yield - t/ ha - Cooby, QLD

Treatment	Applied Rate mL/ ha	Grain Yield t/ ha	Yield as % of GSP
GSP	-	1.88	100
NutriSync D	See previous page for rates used across multiple applications	2.11	112

*LSD (P=.05) - 0.217 CV - 4.83*

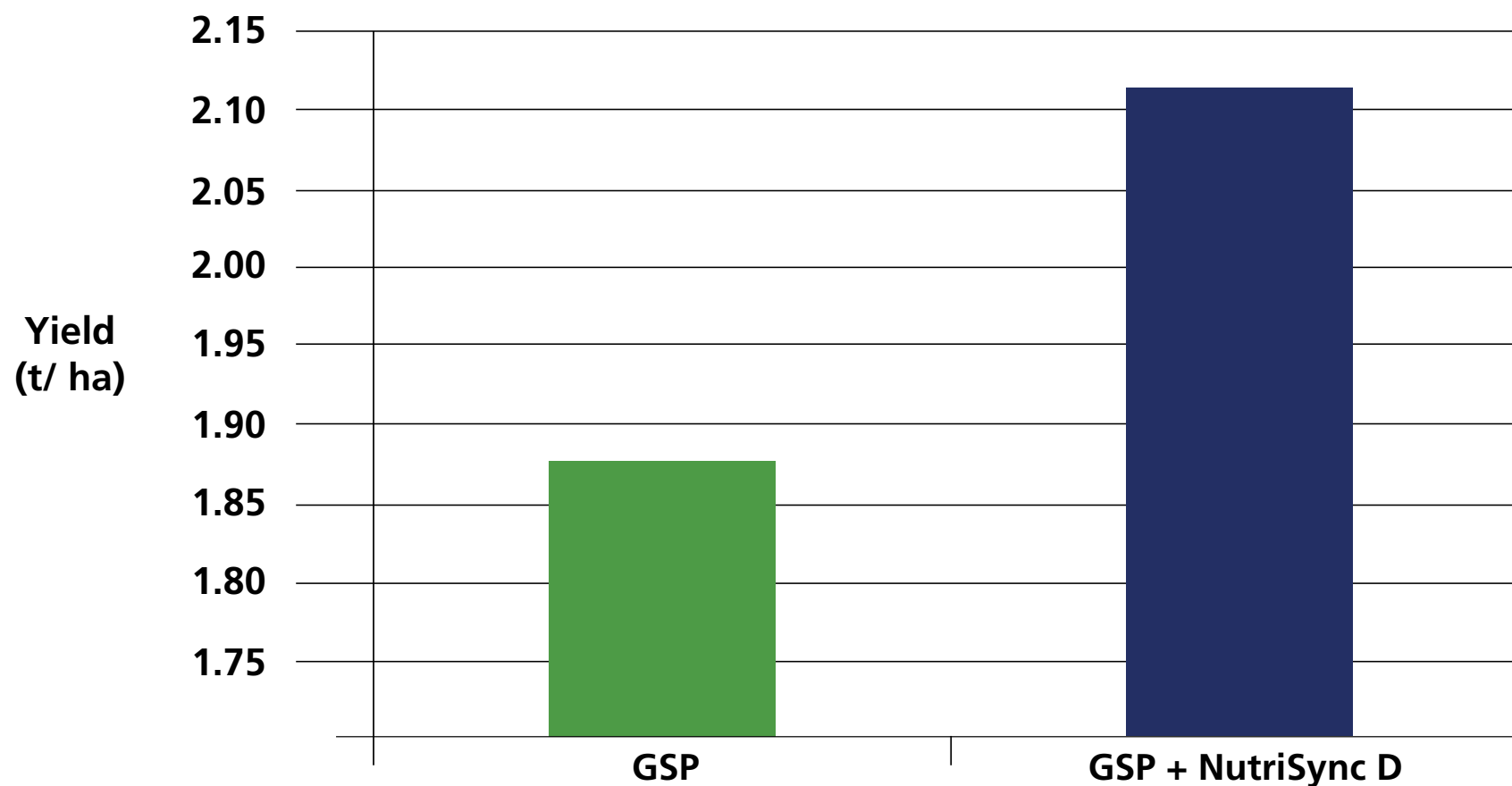
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# Header Runs - Chickpea - Cooby, QLD



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# Analysed Yield - Chickpea - Cooby, QLD



*LSD (P=.05) - 0.217 CV - 4.83*

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# Trial Setup

- Commercial demonstration
- Harvested area - 350m X 9m X 2 rows/ treatment

**Planting date:** *May*

**Site:** *Manly, QLD*

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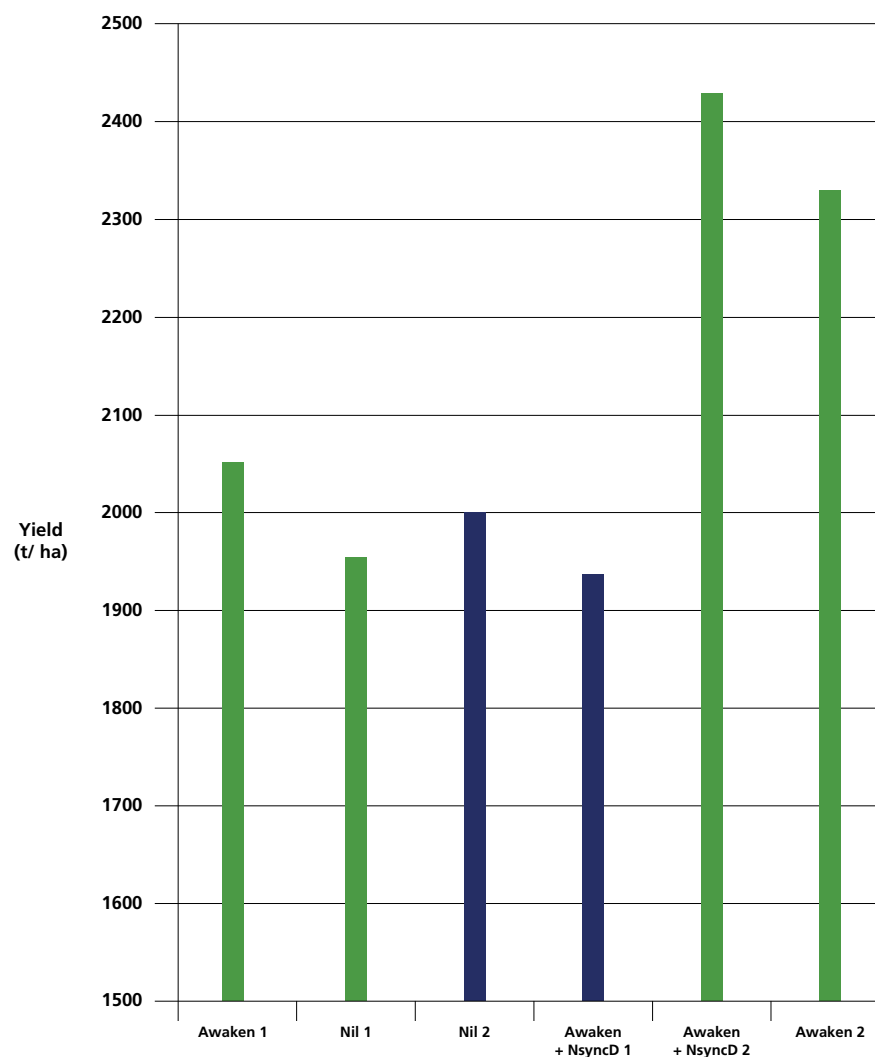
# Chickpea Yield - t/ Ha - Manly, QLD

Treatment	Applied Rate mL/ ha	Grain Yield t/ ha	Yield as % of GSP
GSP	-	1.98	100
Awaken + NutriSync D	See page 2 for rates used across multiple applications	2.18	110
Awaken	See page 2 for rates used across multiple applications	2.20	111

*LSD (P=.05) - 0.67 CV - 7.38*

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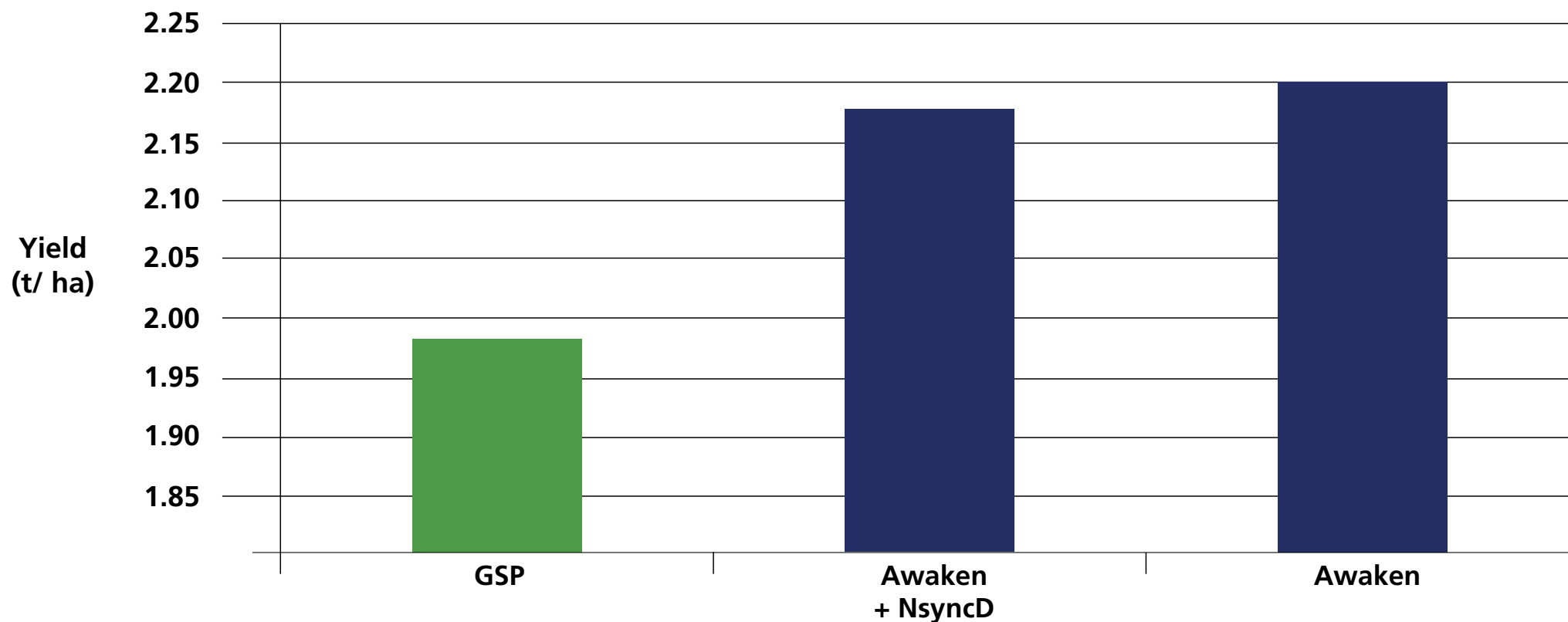
# Header Runs - Chickpea - Manly, QLD



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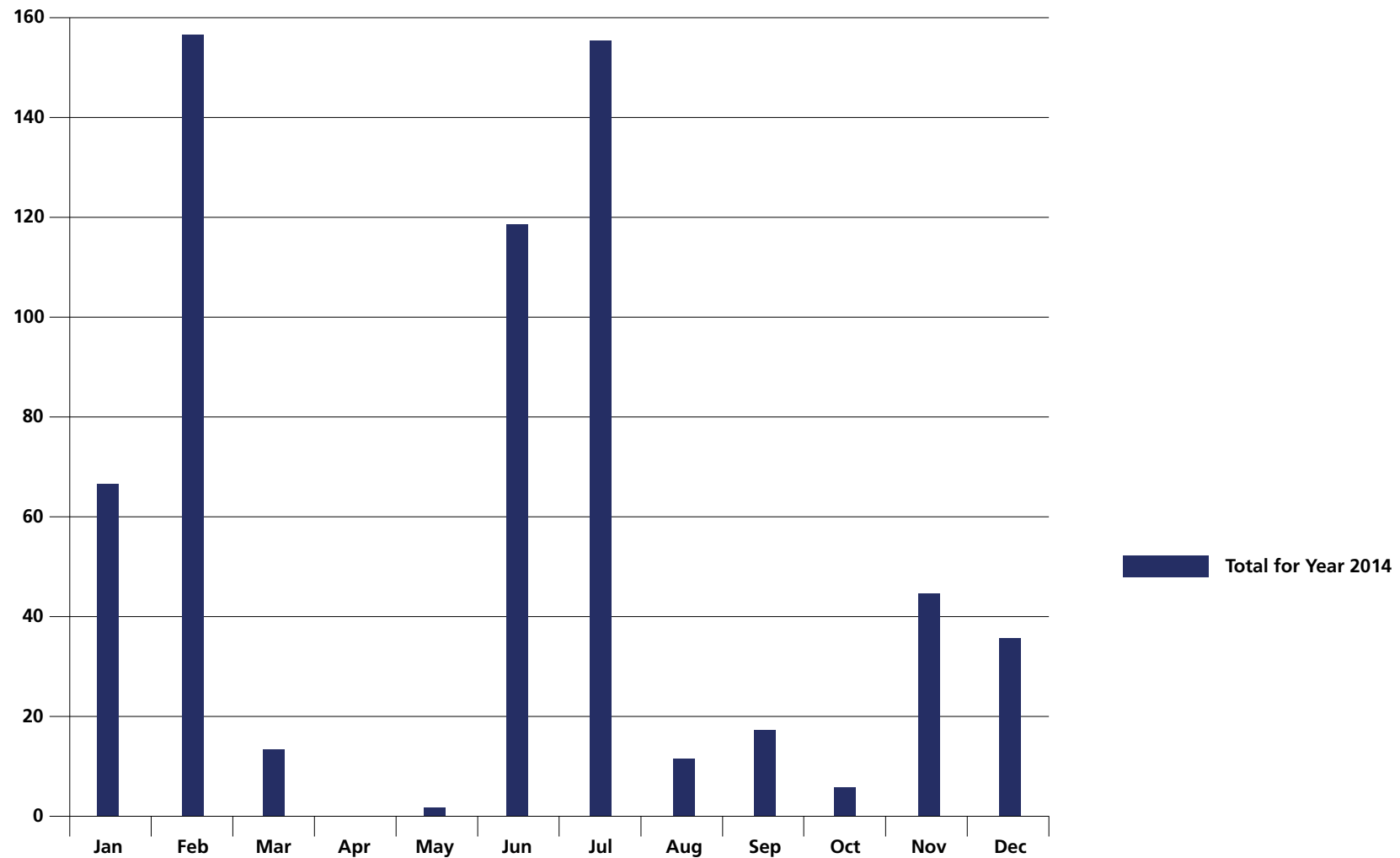
# Analysed Yield - Chickpea - Manly, QLD



*LSD (P=.05) - 0.67 CV - 7.38*

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# Clermont - Rainfall (mm)



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# Conclusions

- Cooby chickpeas showed a 12% yield increase over GSP with NutriSync D applied
- Manly chickpeas showed an 11% yield increase when Awaken was applied, when NutriSync D was added to Awaken, the yield was only 10%
- NutriSync and Awaken showed positive yield increases among commercial crops in Queensland

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