



# ***Loveland***

**AGRI PRODUCTS**  
***Get Growing***

## **FABA BEANS** **NUTRISYNC D + BORON** **Foliar Applied**

**LOV16\_51**

# Trial Design



- Treatments replicated 4 times on a randomised design
- Plot size – 10m x 1.75m
- Treatments Applied: Mid flowering

<b>Seeding Date</b>	<b>Wednesday 18<sup>th</sup> May 2016</b>
<b>Site</b>	Temora Agricultural Innovation Centre
<b>Variety</b>	PBA Samira (Faba Beans) – 130 kg/ha
<b>Protocol</b>	<b>Pre Emergent:</b> Roundup Ultramax @ 1.5 lt/ha + Trifluralin 480 @ 2.0 lt/ha <b>Post Emergent:</b> Fastac @ 250ml/ha + Talstar @ 200ml/ha <b>Post Emergent:</b>
<b>GSP</b>	<b>Sowing fert:</b> MAP @ 75kgs/ha

# Soil Test Data

<b>SOIL 0-10 cm</b>	
pH (CaCl <sub>2</sub> )	5.7
eCEC cmol +/kg	8.2
Calcium (Amm-acet) cmol +/kg	5.7
Magnesium (Amm-acet) cmol +/kg	1.0
Exch. Sodium %	0.9

Nitrate nitrogen (KCL) mg/kg	33
Ammonium nitrogen (KCl) mg/kg	1
Phosphorus (Colwell) mg/kg	45
Potassium (Amm-acet) cmol+/kg	1.4
Sulfate-S (KCl40) mg/kg	7.8
Copper (DTPA) mg/kg	0.95
Zinc (DTPA) mg/kg	0.52

# Trial Protocol



Treatment	Treatment	Applied Rate /ha
T1	GSP	----
T2	GSP + NutriSync D (Mid flowering)	365 ml
T3	GSP + NutriSync D + Supa Bor (Mid flowering)	365 ml + 2 lt
T4	GSP + Supa Bor (Mid flowering)	2 lt
T5	GSP + Awaken	1.5 lt

**Supa Bor – N- 4.1%; Boron 10%**

# Faba Bean Yield and Quality



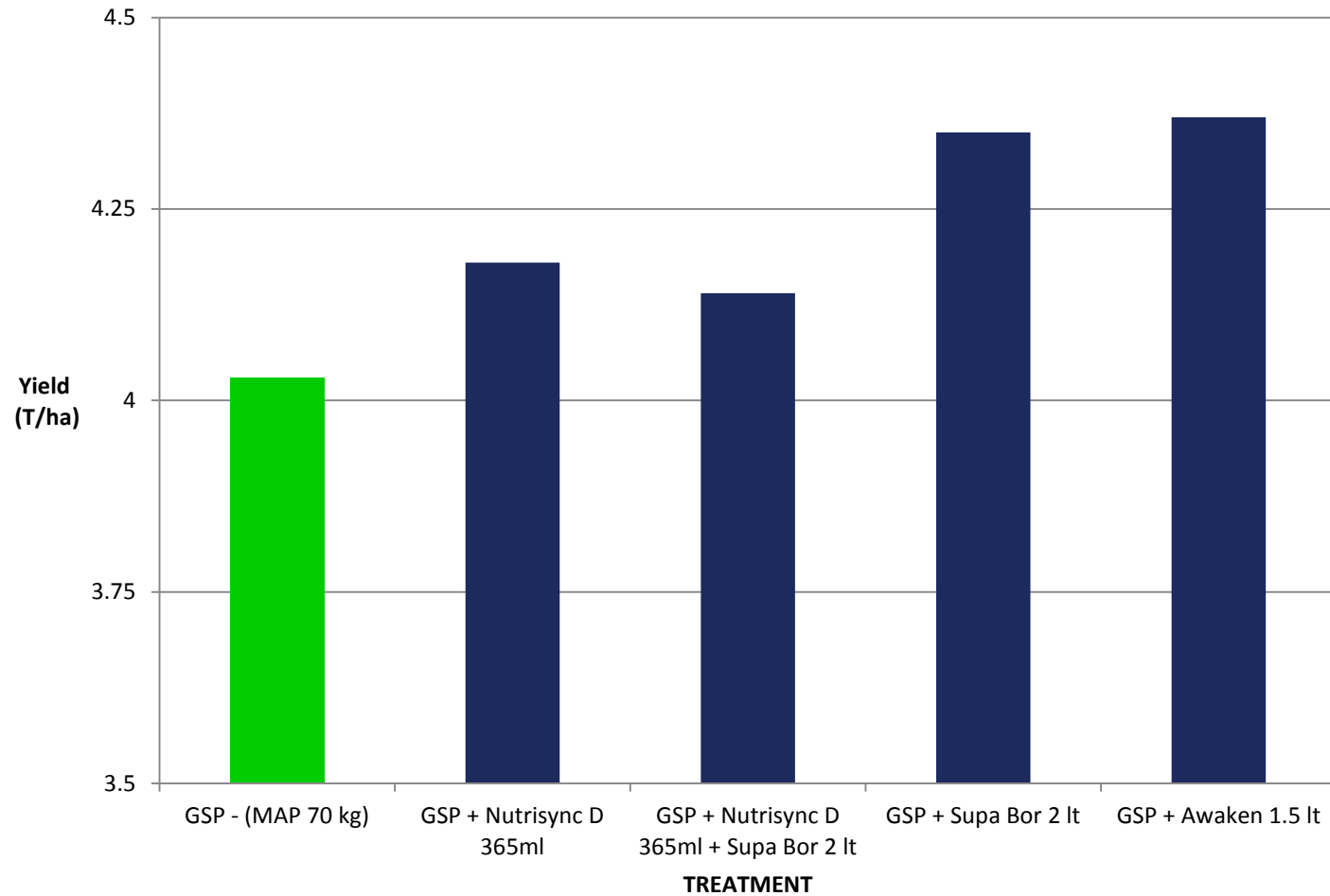
Treatment	Applied Rate /ha	Grain Yield t/ha
GSP	----	4.03
GSP + NutriSync D (Mid flowering)	365 ml	4.18
GSP + NutriSync D + Supa Bor (Mid flowering)	365 ml + 2 lt	4.14
GSP + Supa Bor (Mid flowering)	2 lt	4.35
GSP + Awaken	1.5 lt	4.37

## Yield Statistics

LSD (P=0.05) = 0.55

CV = 8.28

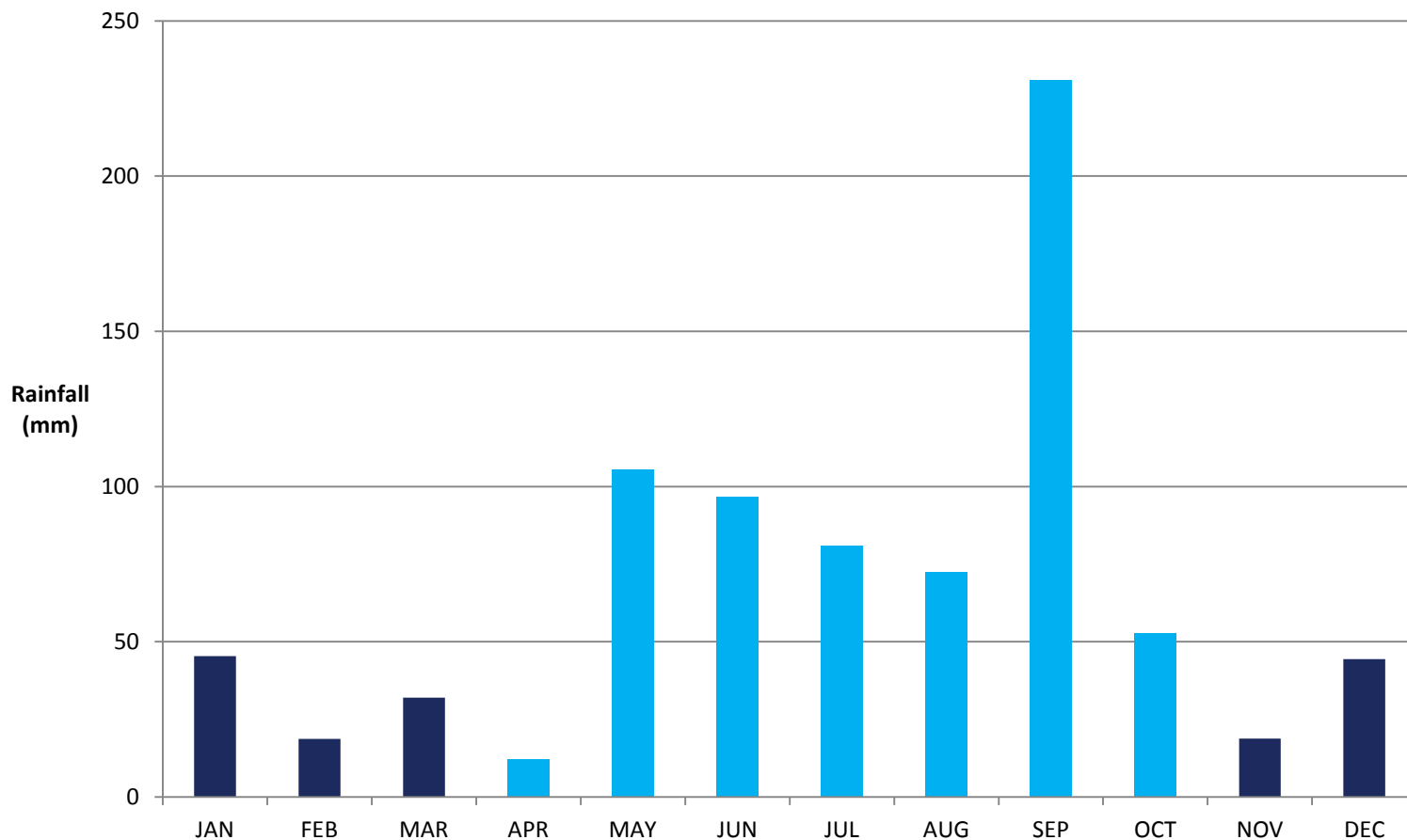
## FABA YIELD



# Faba – Stem Pod counts

Treatment	Applied Rate /ha	Pods /plant	Pods /m2
GSP	----	4.5	282.7
GSP + NutriSync D (Mid flowering)	365 ml	4	286
GSP + NutriSync D + Supa Bor (Mid flowering)	365 ml + 2 lt	3.8	266.2
GSP + Supa Bor (Mid flowering)	2 lt	4.3	296.5
GSP + Awaken	1.5 lt	4	269

# RAINFALL DATA - TAIC 2016



- **Total for Year:** 810.8 mm
- **Total - April – October:** 651.5 mm



# Conclusions

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- GSP yielded 4.03 T/ha
- GSP + Supa Bor applied mid flowering gave most pods/m<sup>2</sup> and translated into yield 4.35 T/ha
- GSP + Awaken had the best yield 4.37 T/ha
- GSP + Nutrisync D yielded higher than GSP but was only 4.18 T/ha