



# Loveland

AGRI PRODUCTS  
*Get Growing*

**2015 NSW Trial Data**  
LiFT on Faba Beans, Temora, NSW

# Trial Setup

- Fully randomised & replicated plot work – 8 replicates
- Plot size = 10m X 1.76m
- Treatments applied – LiFT (2015 formulation), Foundation LM, Black Label Zn.
- Application Date – 15<sup>th</sup> May 2015 applied with the seed.
  
- Buffer – treated with GSP + ACA + Foundation LM – demo purpose only

Seeding Date	15 <sup>th</sup> May 2015
Site	Temora Research Station
Variety	Samira Faba Beans @ 140 kg/ha - aim for 25-30 plants/m
Protocol	MAP @ 75kgs/ha Panzer 450 @ 2.0 lt/ha + Trifluralin 480 @ 2.0 lt/ha + Striker @ 75 ml/ha pre emergent IBS on 230mm.
GSP	MAP @ 80kgs/ha

# Trial Protocol

Treatment #	Treatment	Applied Rate
T1	Untreated	----
T2	GSP	MAP @ 80 kg/ha
T3	GSP + LiFT	13.7 L/ha
T4	GSP + BLZN	10 L/ha
T5	GSP + BLZN + Foundation LM	10 L/ha + 3 L/ha
T6	SSP + LiFT	13.7 L/ha

**LiFT - Liquid in Furrow Technology**

**BLZN - Black Label Zinc - 8-11.5-0, Zinc 1 w/vv/v**

**Foundation LM :**

**ACA : Zinc Ammonium Acetate – 20-0-2 v/v**



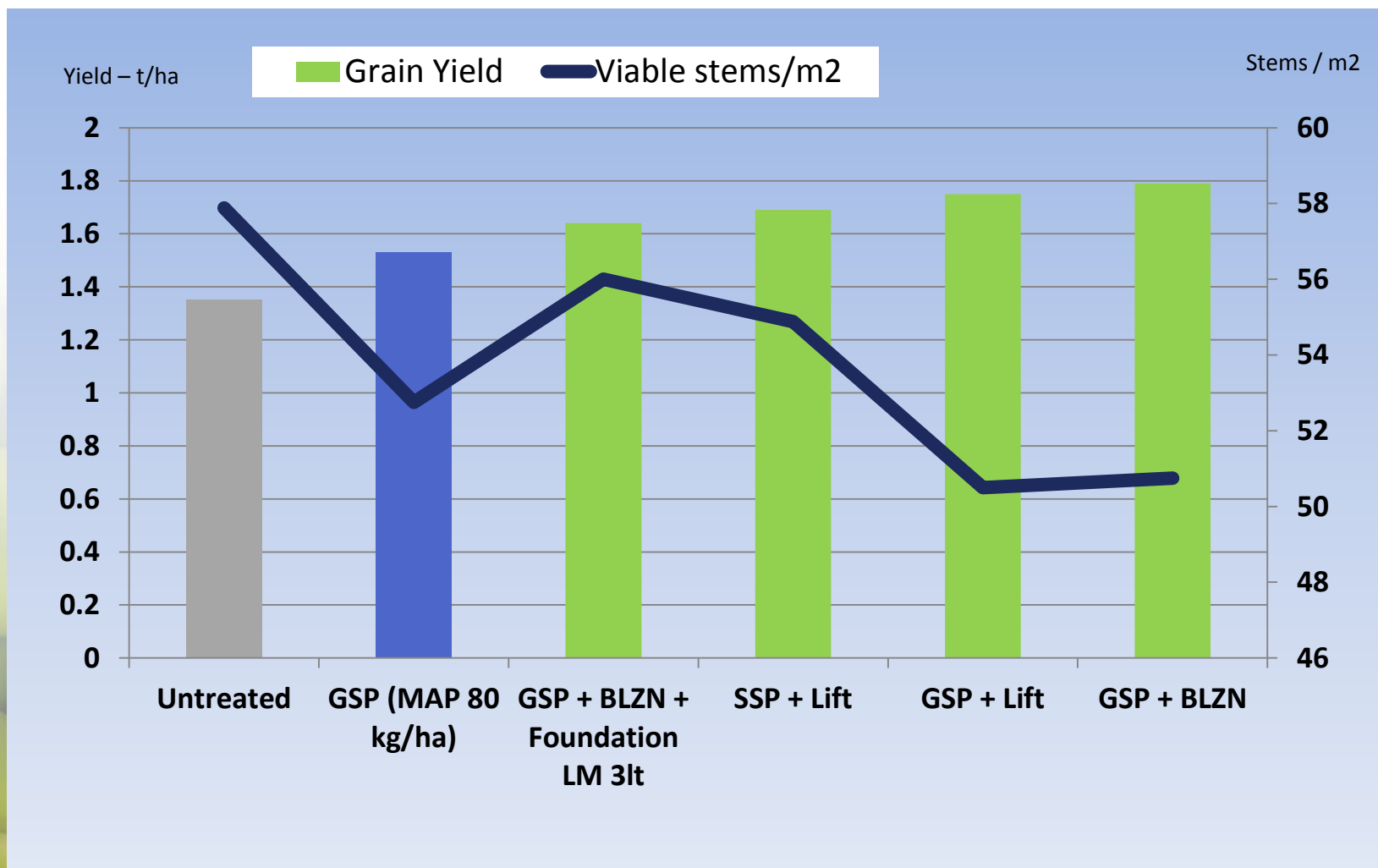
# Faba Bean Yield

Treatment	Applied Rate	Grain Yield t/ha	Size > 7mm
Untreated	----	1.35	87.6%
GSP	MAP @ 80 kg/ha	1.53	<b>83.7%</b>
GSP + LiFT	13.7 L/ha	1.75	88.6%
GSP + BLZN	10 L/ha	1.79	87.9%
GSP + BLZN + Foundation LM	10 L/ha + 3 L/ha	1.64	<b>89.3%</b>
SSP + LiFT	13.7 L/ha	1.69	86.5%

LSD (P=0.05) = 0.226      CV = 13.64



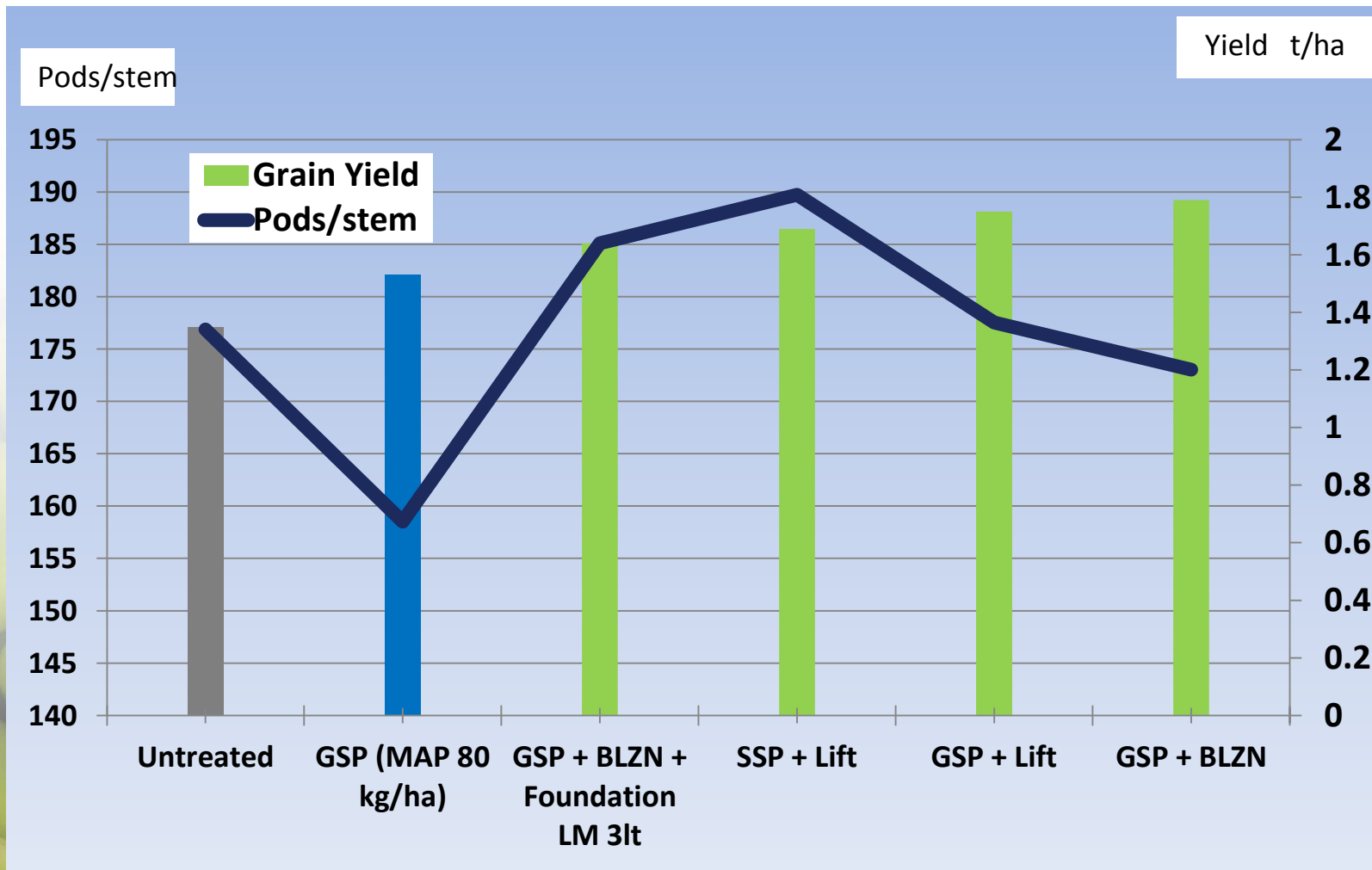
# Faba Bean – stems/m2 vs yield



LSD (P=0.05) = 0.226      CV = 13.64



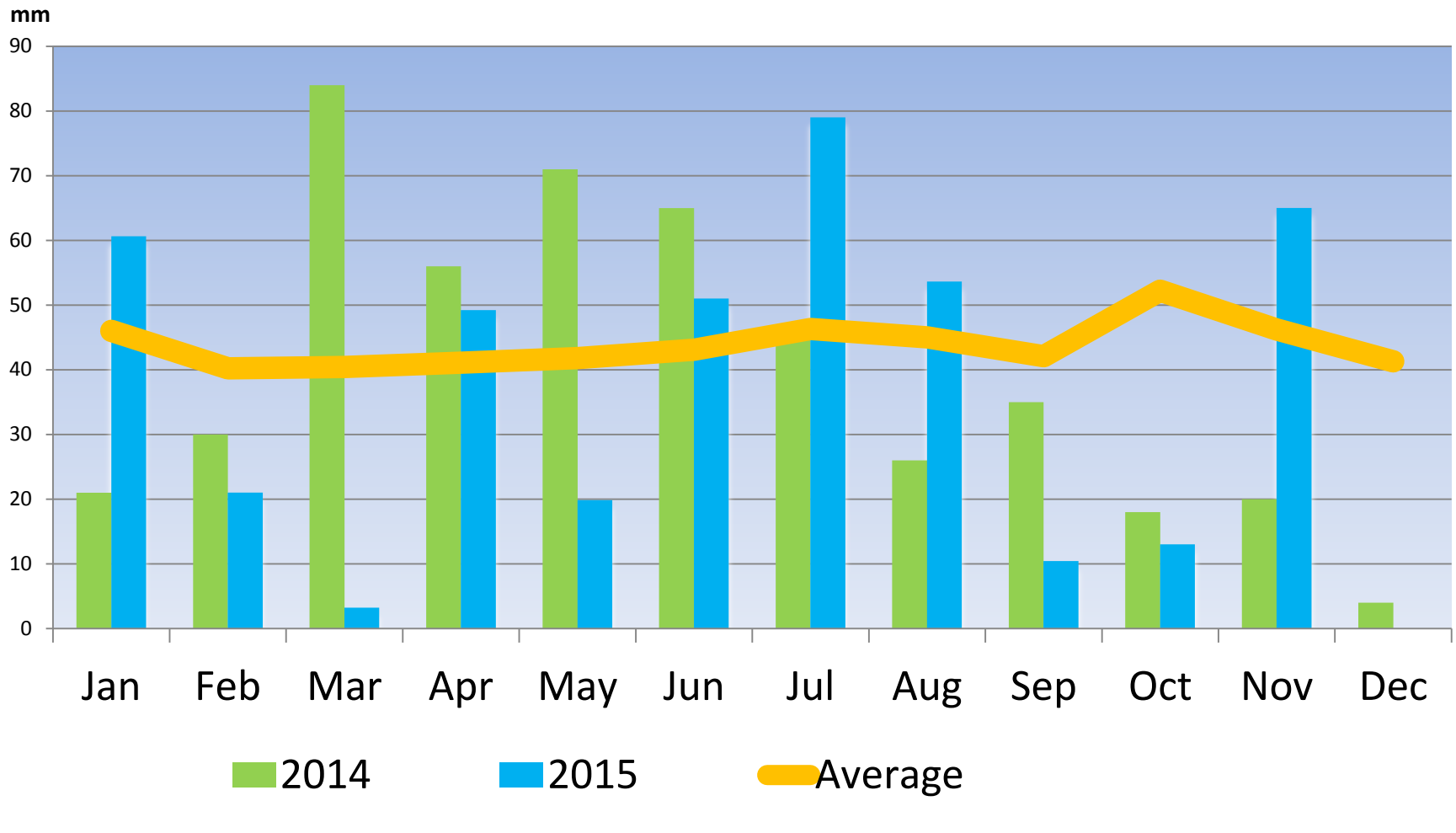
# Faba Bean – pods/stem vs yield



LSD (P=0.05) = 0.226      CV = 13.64



# Temora Research Station Rainfall



# Conclusions

- Untreated had the highest plants/m<sup>2</sup>.
- LIFT and BLZN had the highest grain yields, but had lower pods/stem.
- Highest test weight was GSP + LIFT – although marginal.
- Quality differences more difficult to highlight.
- Hot weather @ flowering appeared to abort many flower pods.
- LiFT plots all visually appeared more robust and had more biomass.
- 2016 Nitrogen fixation would be interesting.
- 2016 yield data should have a cumulative effect.
- GSP in S NSW – look @ potential other seeding fertiliser sources.