

2015 Craig Hole Basis side by side Demo

Basis on seeding fertiliser
Rana Faba Beans and Trojan Wheat,
Narracoorte, SA

Demo Setup

- Side by side – ½ paddock treated vs treated.
- Treatments applied – 4.0 L / t Basis on seeding fertiliser
- Seeding Date – 10th June 2015
- Harvest Date – end Nov 2015
- Previous history suggests minimal fertiliser nutrition.

Spraying Date	10th June 2015
Site	Craig Hole property, Narracoorte, SA
Variety	Trojan Wheat @ 100 kg/ha / Rana Beans @ 175 kg/ha
Protocol	Basis on Granulock Zn on seeding fert + Flutriafol (70 kg/ha)
GSP	Zincstar + Flutriafol

Trial Protocol

Treatment #	Treatment	Applied Rate
T1	Zincstar only	75 kg/ha
T2	Basis treated Zincstar	75 kg/ha + 4.0 L / t Basis

Wheat

- Clay loam,
- pH - 4.87 CaCl₂,
- pH - 5.95 H₂O
- Olsen P = 19,
- Bray P = 51
- PBI = 21
- Iron = high
- Potassium = High

Faba Beans

- Clay loam,
- pH - 4.74 CaCl₂,
- pH - 5.34 H₂O
- Olsen P = 11,
- Bray P = 24
- PBI = 54
- Iron = high
- Potassium = High

Wheat Yield - t/ha

Treatment	Rate/ha	Yield t/ha	Screenings %	Grade
Zincstar only	75 kg/ha	3.0	16.0 %	AGP 1
Basis treated Zincstar	75 kg/ha + 4.0 lt/tn	3.08	4.0 %	APW

Basis Treated Sell Price = \$255/tn APW

Untreated Sell Price = \$226/tn AGP

Extra Yield = 75 kg/ha

Basis Cost per Ha = \$6.30/ha

Extra Grain Yield = \$19.12/ha

Extra Quality Upgrade (AGP to APW) = \$87/ha

Total Gross Income = \$106.12/ha

NET PROFIT = \$100/ha

2016 GAIN – yet to be seen ?

Faba Bean Yield - t/ha

Treatment #	Treatment	Rate/ha	Yield t/ha
T1	Zincstar only	75 kg/ha	1.05
T2	Basis treated Zincstar	75 kg/ha + 4.0 lt/tn	1.4

Sell Price = \$475/tn

Extra Yield = 350 kg/ha

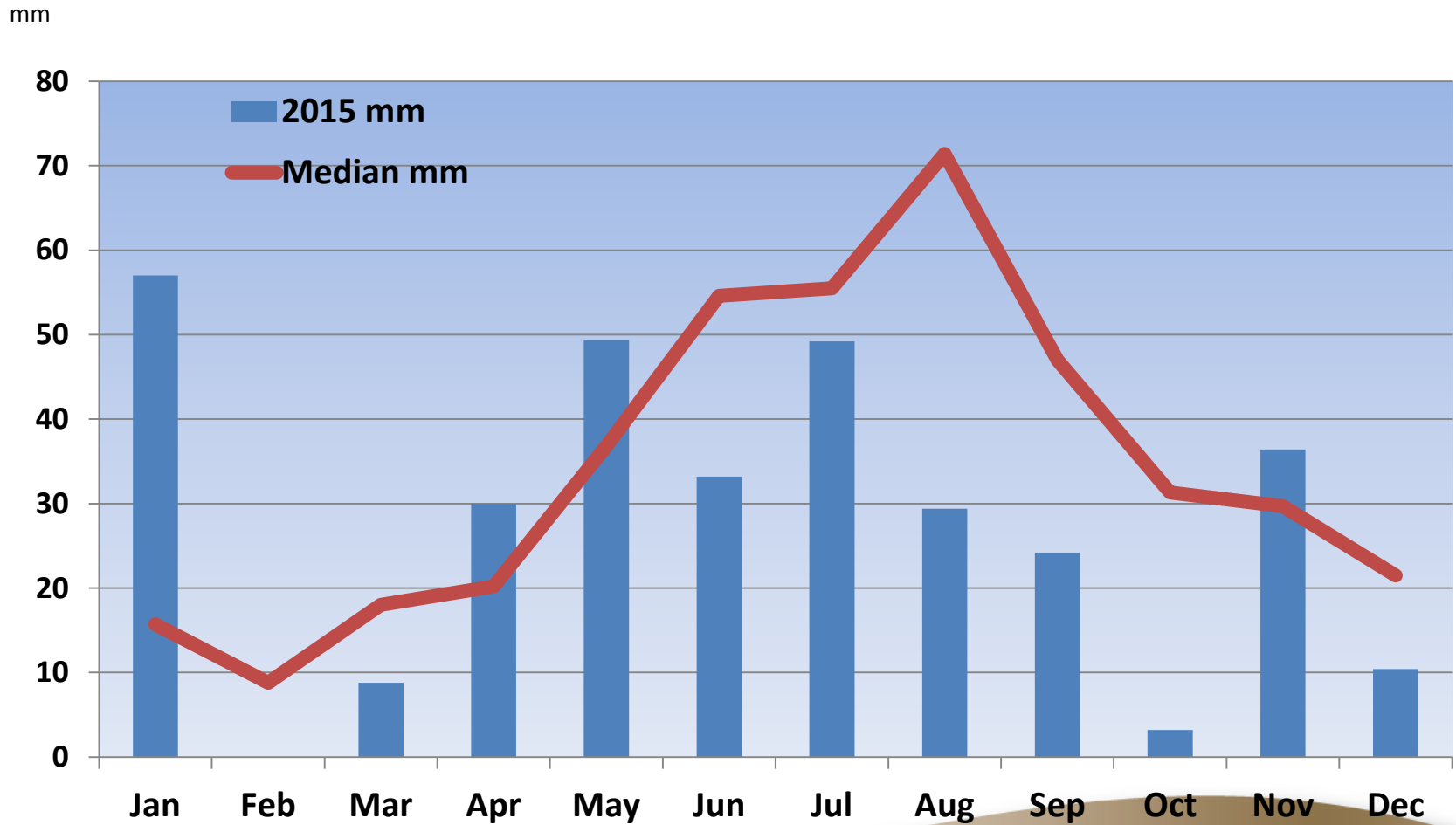
Basis Cost per Ha = \$6.30/ha

Overall NET GAIN = \$159.95/ha

2016 GAIN – yet to be seen ?



Narracoorte, SA - Rainfall



2015 Trial Data

Conclusions

- Trial conducted in Sth Est SA – Craig Hole family property.
- Growing season was well below avg. (< 200mm GSR vs 400mm)
- Extremely hot and windy 1st weekend in Oct. AFL Grand Final. Aborted flowers.
- Treatments were applied to fert pre seeding.

- Basis treated beans were visually impressive over GSP for Beans from Week 10 through to harvest, with increased biomass in foliage and rootmass.

- Basis treated wheat had grain yield increase of 75 kg/ha, and lower screenings - 4.0% vs 16% untreated, with an upgrade from GP1 to APW.
- Basis treated wheat visually more plump, with \$19.12/ha extra yield & \$87.00/ha in quality upgrade.

- Basis would appear to be a suitable addition to a Wheat and Faba Bean seeding nutrition program in Sth East SA.

- Investment of \$6.30/ha, a NET PROFIT of **\$106.12** in wheat and **\$159.95** in beans.