



## Trial: Tradecorp AZ Plus on Green Beans

<b>Crop:</b>	<b>Green Beans</b> var. Hickok
<b>Product:</b>	<b>Tradecorp AZ Plus</b>
<b>Location:</b>	Warwick, Queensland
<b>Aim:</b>	Increase Yield, Increase Micro Nutrient levels v Control
<b>Rate:</b>	Next Slide
<b>Application:</b>	Tractor Boom spray, <b>Timing:</b> 11/3 – 1/4
<b>Planting Date:</b>	26/02/18, <b>Harvested Date:</b> 09/04/18
<b>Assessment:</b>	Dry tissue, Hand Sampled Yield
<b>Other:</b>	Red Clay, Drip, Bed, Open field no plastic mulch



## Trial: Tradecorp AZ Plus on Green Beans

Rate:

Product	Rate (Ha)	Application Interval
Lignosulfonate NPK + TE Lignosulfonate TE Mix	4L + 4L 2L	21 days, delayed due to weather (10 – 14 is ideal)
Tradecorp AZ Plus	1 kg + 1kg	21 days, delayed due to weather (10 – 14 is ideal)

# Results – Dry Tissue Results

Element	LOD	Result	Units	Result	Units	Optimal Range	Comment	
Total Nitrogen ** (Dry Tissue)		4.230	%	3.840	%	3.9 - 6	Medium-low	
Nitrate N * (Dry Tissue)		2,460	ppm	2,680	ppm	1500 - 2500	High	+ 8 %
Phosphate * (Dry tissue)		0.30	%	0.28	%	0.32 - 0.5	Medium-low	
Potassium * (Dry tissue)		2.88	%	3.15	%	1.7 - 4	Optimal	+ 38 %
Boron (Dry tissue)		42	ppm	45	ppm	40 - 60	Optimal	+ 7 %
Copper * (Dry tissue)		75.5	ppm	73.4	ppm	8 - 50	High	- 3 %
Iron * (Dry tissue)		300	ppm	418	ppm	50 - 300	Very high	+ 39 %
Manganese * (Dry tissue)		197.3	ppm	173.9	ppm	30 - 300	Optimal	- 13 %
Zinc * (Dry tissue)		42.20	ppm	42.89	ppm	30 - 100	Optimal	+ 2 %
Sodium * (Dry tissue)		0.008	%	0.008	%	0.01 - 0.08	Medium-low	
Chloride * (Dry tissue)		1.800	%	1.510	%	0.01 - 0.4	High	
Total Carbon * +(Dry Tissue)		39.1	%	40.1	%			

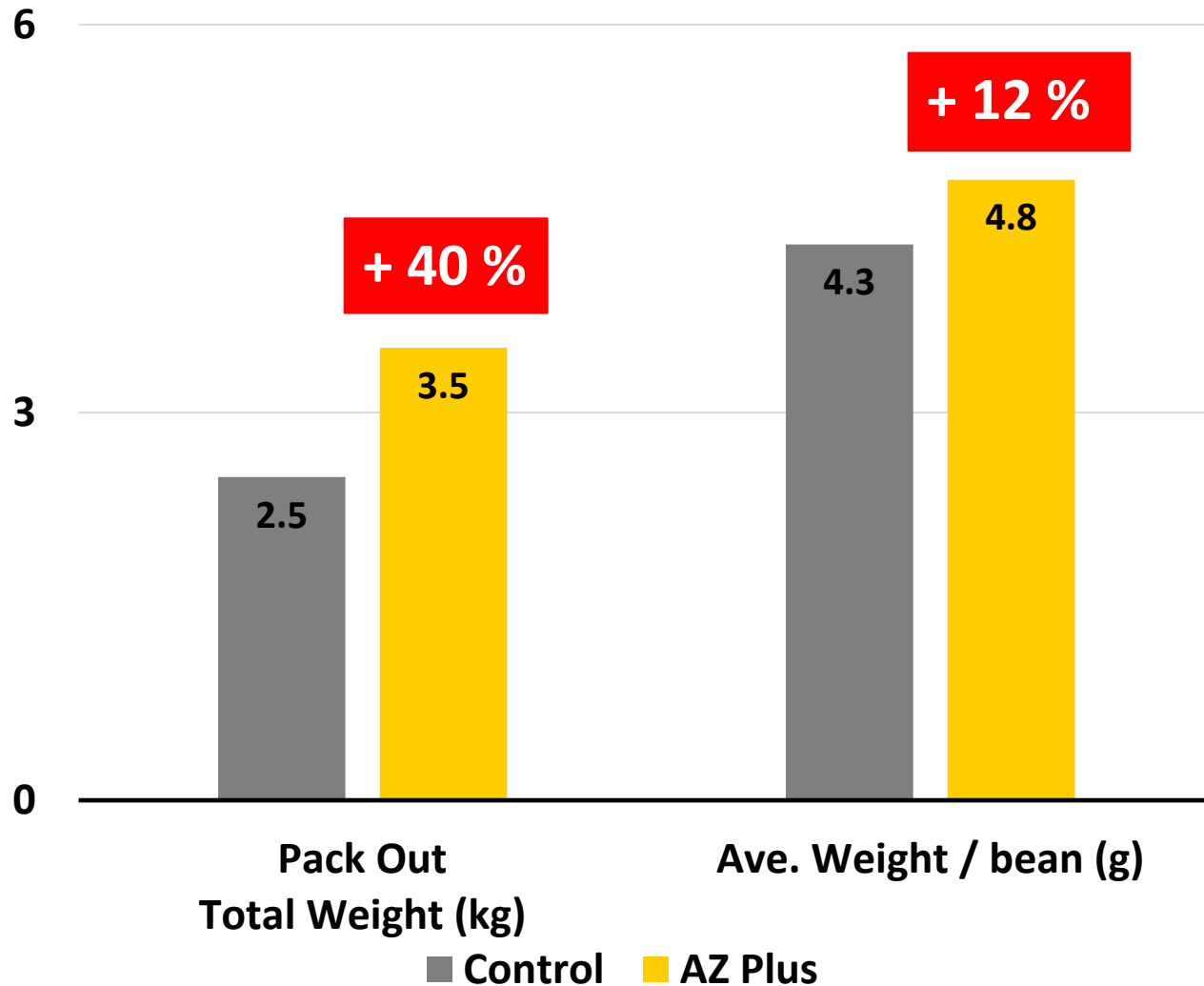
Control

- Lignosulfonate based product

Tradecorp AZ Plus

- 7 micronutrient EDTA Chemical mix

# Results – Hand Pack-out Yield



- AZ Plus increased Total hand samples **Pack-Out Yield by 40 %**
- This was due to **12% heavier beans**
- Brute Yield at harvest was similar and commercial packout data was not available

# Conclusion

- **Tradecorp AZ Plus** tended to increase micro nutrient **Tissue Content**, allowing **greater efficacy** and **higher yield** compared to Lignosulfonate competitor
- **Tradecorp AZ Plus** improved the photosynthetic energy available to the plant  
**Dry Tissue Result:**
  - **Iron uptake (+39%)**
  - **Potassium uptake (+38%)**
  - **Nitrate uptake (+8%)**
  - **Boron uptake (+7%)**
- Higher tissue nutrient content increased **Bean Weight +12 %**
- Recommend follow bins through packhouse to get commercial packout in next trial



# Conclusion

Tradecorp AZ Plus @ 1kg /ha x2 ideally 10 – 14 days apart increased:

- Hand Pack-Out Yield compared to Lignosulfonate nutrient products
- Dry Tissue nutrient content in particular N, K, Fe



tradecorp® AZ plus

EDTA based enzymatic process activator with L- $\alpha$  Free Amino Acids and 7 micro-nutrients



GUARANTEED CONTENTS:	w/w
L- $\alpha$ Free Amino Acids:	2.0%
Iron (Fe) soluble in water and chelated by EDTA:	6.0%
Manganese (Mn) soluble in water and chelated by EDTA:	2.5%
Zinc (Zn) soluble in water and chelated by EDTA:	1.2%
Copper (Cu) soluble in water and chelated by EDTA:	0.60%
Boron (B) soluble in water:	0.50%
Molybdenum (Mo) soluble in water:	0.40%
Cobalt (Co) soluble in water and chelated by EDTA:	0.02%

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