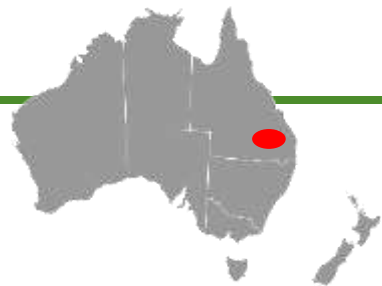


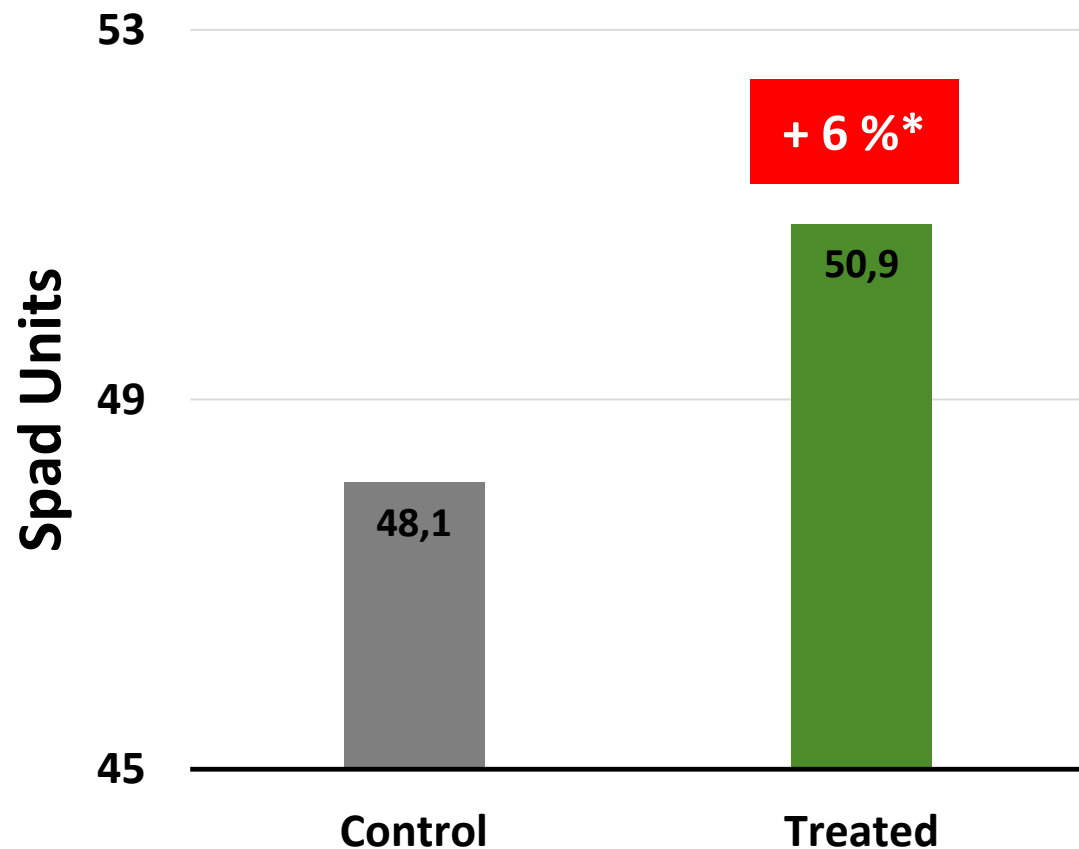
Trial: Green Beans



Crop:	Green Beans var. Hickok
Product:	Humifirst WG + Phylgreen 200
Farmer:	Gatton, Queensland, Australia
Aim:	Increase Yield & Quality
Application:	Drip, Tractor Boom Spray
Rate / Design:	Humifirst WG 2.5 kg /ha x1, Phylgreen 200 1 L /ha x2
Start date:	21/12/17
Harvest date:	23/02/2018
Assessment:	Hand assessment, pack out yield

Notes: Soil: Black loam, Climate: Sub Tropical, Irrigation: Drip

Results: Spad Units

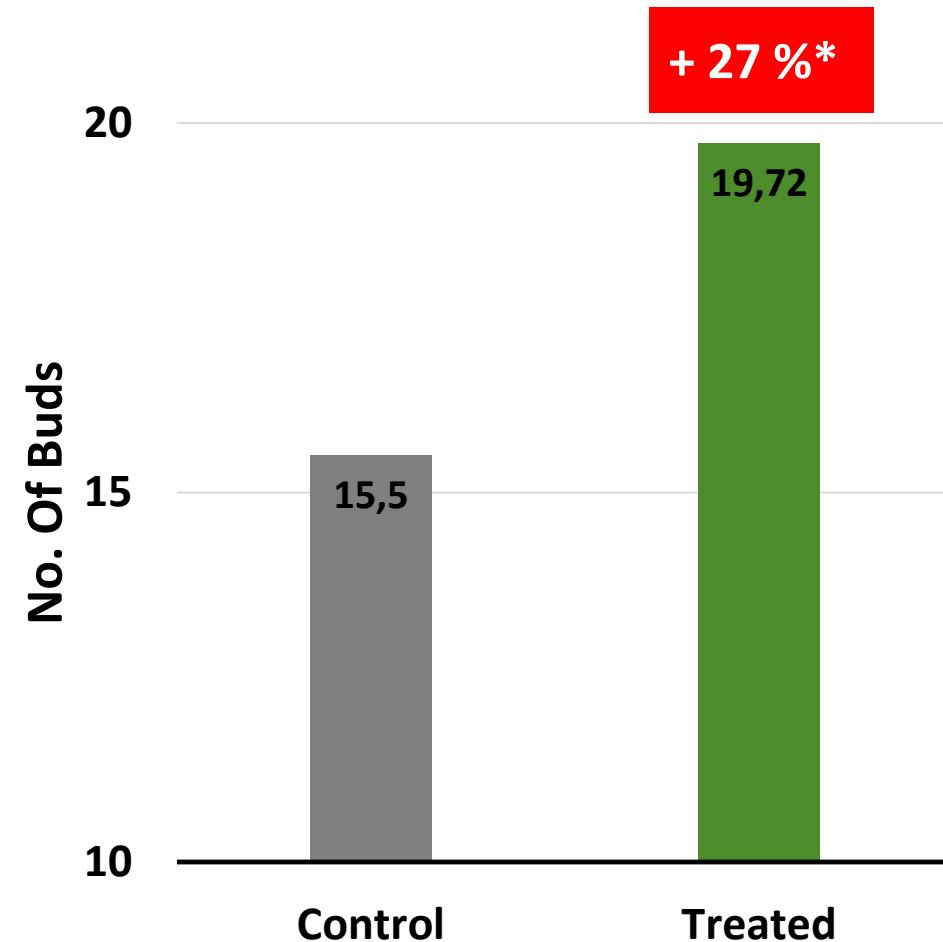
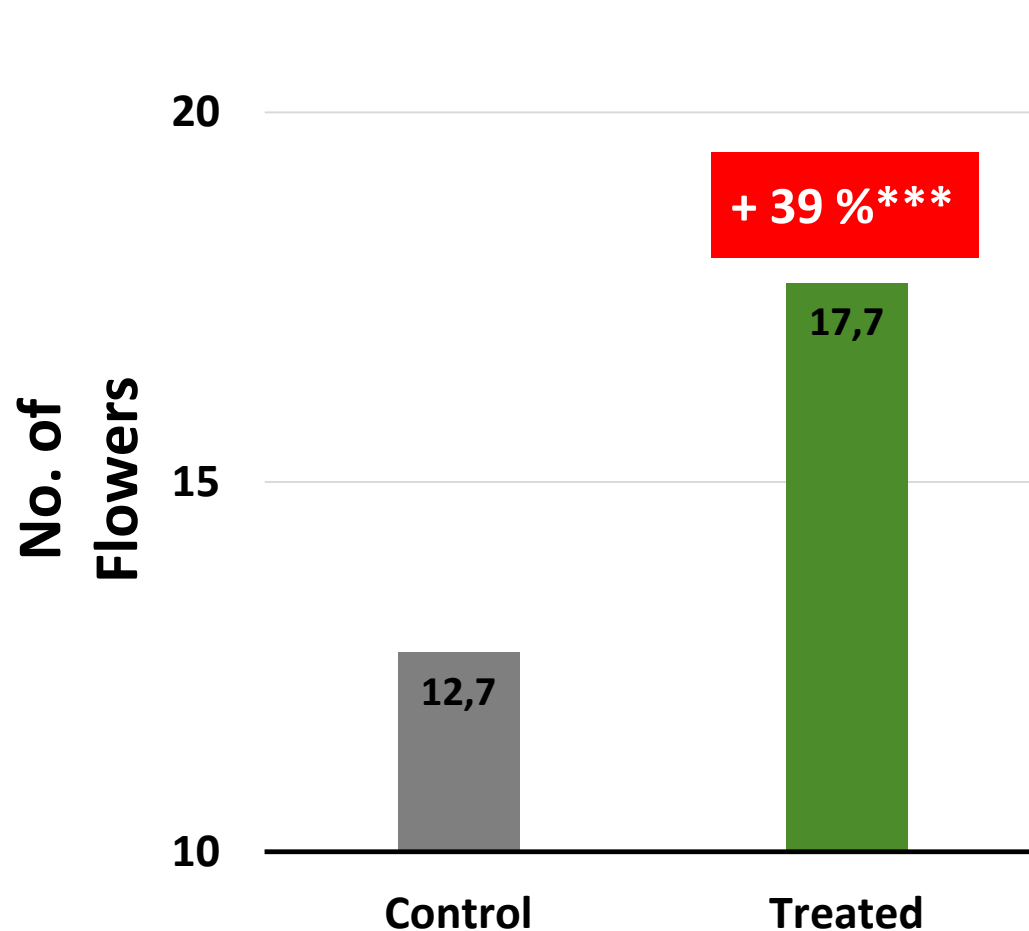


- SPAD indicates the amount of Chlorophyll in the leaf
- The more chlorophyll in the leaf the more efficient the plant photosynthesises
- More of the sun's energy is captured potentially increasing **Yield**
- **Humifirst WG + Phylgreen 200** increased SPAD +5 % (Sig.)

* P < 0.05

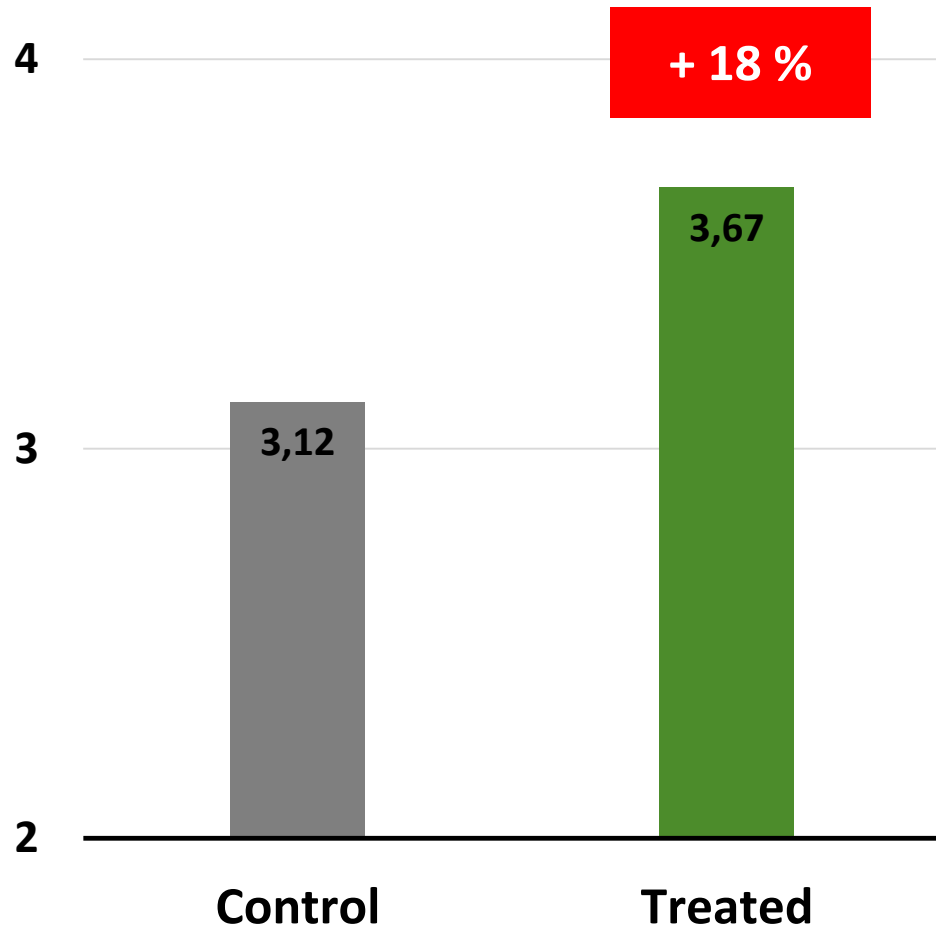
Results: No. of Flower and Set Buds

* P < 0.05, *** P < 0.001



- No. of Flowers and Set Buds (Sig.) will indicated the potential Yield both were significantly enhanced

Results: Packout Yield



- 3 linear meters were harvested in both the Control and Treated
- The bean were striped and sorted into a Pack-Out Yield then Weighed
- Brute Yield was not recorded
- Tradecorp Treatment **Pack-Out Yield +18 %**

Brute Yield + Comparisons

- Brute Yield was similar at 4.5 x 4T hoppers each in Treated & Control
 - $18\text{T} / 4\text{ha} = 4.5\text{T} / \text{ha}$ Brute Yield each in Treated & Control
- Actual Pack-Out was not tracked but based on usual norms 50% of the Brute Yield is discarded during Pack-Out
- Hand Pack Out data Treated is +18% compared to Control
- Control = $4.5 \times 50\% =$ **Control Pack – Out Yield = 2.25 T /ha**
- Treated = $4.5 \times 50\% \times 118\% =$ **Treated Pack – Out Yield = 2.7 T /ha**
- The **Tradecorp Treatment** increased **Pack-Out Yield** by **0.45 T/ha (+20%)**

Conclusion

Humifirst WG + Phylgreen 200

- increased **Spad** results by **+6%** (Sig.)
- increased **Flowers** **+39%** (Sig.)
- increased **Set Buds** **+27%** (Sig.)
- increased **Hand Pack Out Yield** **+18%**
- increase **Pack Out Yield** by **+0.46 T /ha** or **+20%** (est.)
- Question for future trials:
 - Why is the potential yield at Flower set not seen at harvest?
 - Could the potentially yield at Flower set be seen at harvest?
 - Machine Pack Out Yield needs to be followed through the shed



Conclusion

Humfirst WG @ 2.5 kg /ha

Phylgreen 200 @ 1L x2

increased

Pack Out Yield +20%

in Commercial Sized Blocks

