



Loveland

AGRI PRODUCTS
Get Growing

2015 WA Trial Data
Basis in Wheat, Geraldton, WA.

Trial Setup

- Fully randomised & replicated plot work – 3 replicates
- Plot size = 18m X 1.6m
- Treatments applied – K Till, Basis
- Application Date – 7th May 2015 @ seeding.

Planting Date	7th May 2015
Site	Geradlton, WA.
Variety	Mace Wheat @ 80 kg/ha
Protocol	K Till +/- Basis @ 4 Lt/tn @ seeding
GSP	K Till @ 50 kg/ha

K Till Extra	N	P	K	S	Ca	Cu	Zn
	10.2	12.0	11.2	6.0	---	0.10	0.20

Trial Protocol

Treatment #	Treatment	Applied Rate
T1	Untreated	----
T2	K Till	50 kg/ha
T3	K Till + Basis	50 kg/Ha + 4 Lt/tn
T4	K Till	100 kg/ha
T5	K Till + Basis	100 kg/ha + 4 Lt/tn

K Till Extra	N	P	K	S	Ca	Cu	Zn
	10.2	12.0	11.2	6.0	---	0.10	0.20

Wheat Early Vigour / Biomass

Treatment #	Treatment	Applied Rate	Biomass
T1	Untreated	----	7.50
T2	K Till	50 kg/ha	8.0
T3	K Till + Basis	50 kg/Ha + 4 Lt/tn	8.0
T4	K Till	100 kg/ha	8.0
T5	K Till + Basis	100 kg/ha + 4 Lt/tn	8.0

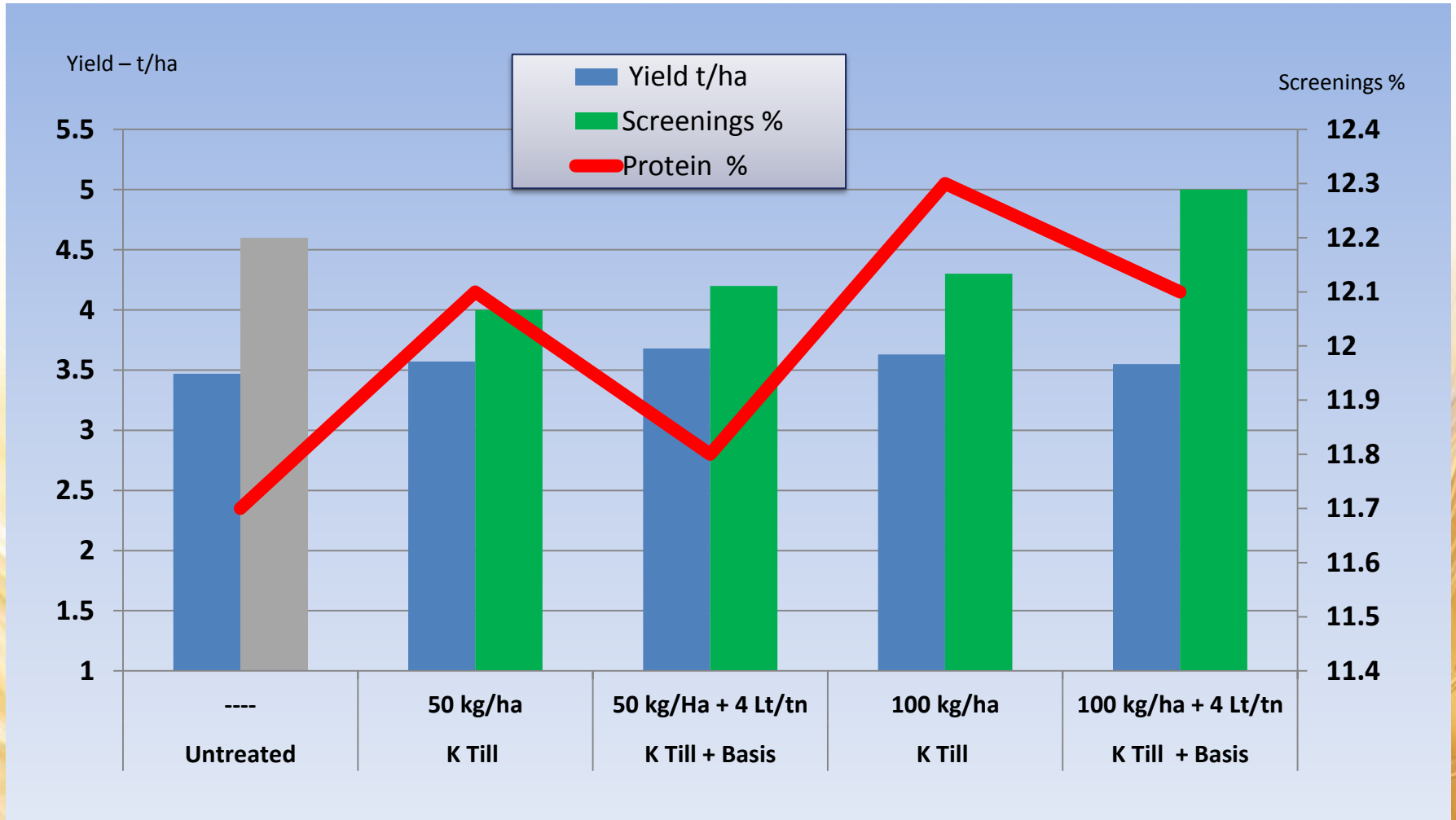
LSD (P=.05) = 0.0 CV = 0.0

Wheat Yield

Treatment #	Treatment	Applied Rate	Grain Yield t/ha	Protein %	Screenings %
T1	Untreated	----	3.47	11.7	4.6
T2	K Till	50 kg/ha	3.57	12.1	4.0
T3	K Till + Basis	50 kg/Ha + 4 Lt/tn	3.68	11.8	4.2
T4	K Till	100 kg/ha	3.63	12.3	4.3
T5	K Till + Basis	100 kg/ha + 4 Lt/tn	3.55	12.1	5.0

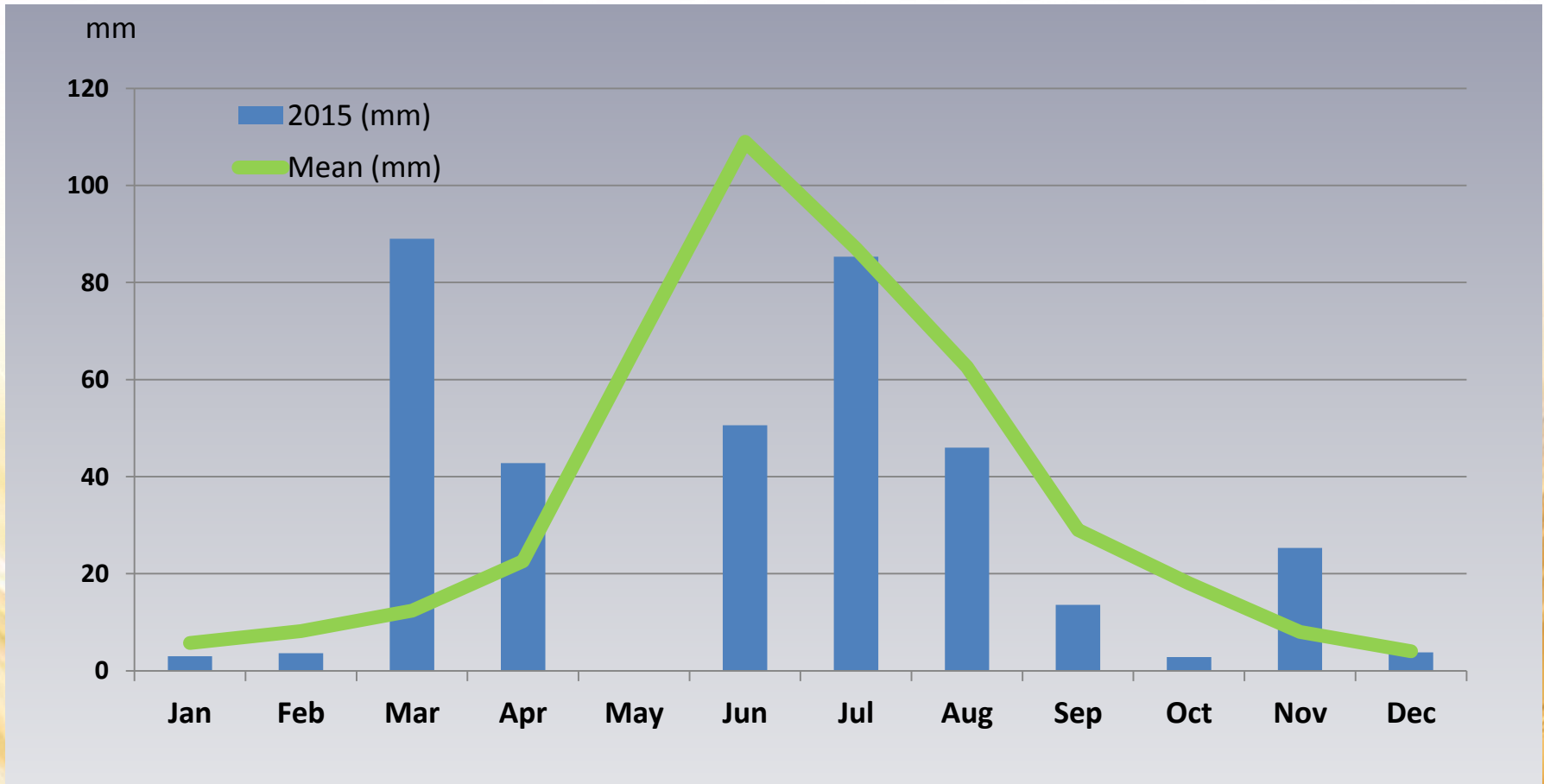
LSD (P=.05) = 0.154 CV = 2.28

Wheat Yield – t/ha



LSD (P=.05) = 0.154 CV = 2.28

Geraldton Rainfall



Conclusions

- **Good growing conditions were experienced at this site with yields ranging from 3.47 to 3.68 t/ha.**
- **This trial site has shown a small response to applied fertiliser with all treatments yielding slightly higher than the nil starter fertiliser. However the response by doubling the starter fertiliser to 100 kg/ha was possibly not warranted.**
- **Basis treated fertiliser applied with 50kg/ha has shown a significant improvement in yield at this site when compared to an equivalent rate of K Till. Soil nutrition levels at his site were excellent.**
- **In this scenario Basis has been responsive when applied with the lower rate of Fertiliser..**