



Loveland

AGRI PRODUCTS
Get Growing

2015 NSW Trial Data
LiFT on Wheat, Temora, NSW

Trial Setup

- Fully randomised & replicated plot work – 8 replicates
- Plot size = 10m X 1.76m
- Treatments applied – Awaken, LiFT (2015 formulation), Foundation LM, Black Label Zn.
- Application Date – 15th May 2015 @ seeding.
- Liquid applied with the seed.

Seeding Date	15 th May 2015
Site	Temora Research Station
Variety	Suntop @ 60 kg/ha
Protocol	MAP @ 80kgs/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 + 3.0 L/ha
T6	SSP + LiFT	13.7 L/ha
T7	GSP + ACA + Foundation LM	3.5 L/ha

LiFT - Liquid in Furrow Technology

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

Foundation LM :

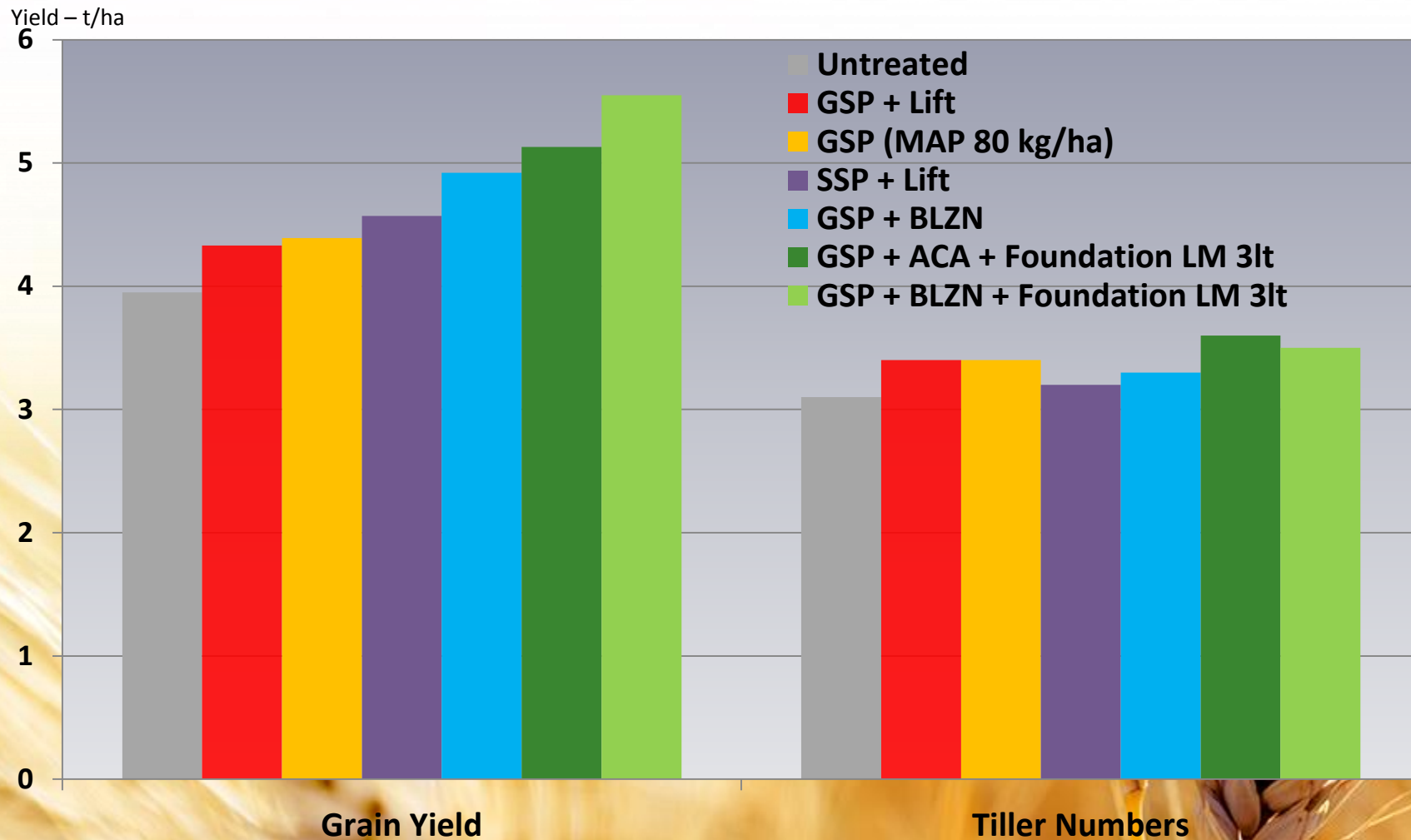
ACA / Awaken : Zinc Ammonium Acetate – 20-0-2 v/v

Wheat Grain Yield

Treatment #	Treatment	Applied Rate	Grain Yield t/ha
T1	Untreated	----	3.95
T2	GSP - MAP	80 kg/ha	4.39
T3	GSP + LiFT	13.7 L/ha	4.33
T4	GSP + BLZN	10 L/ha	4.92
T5	GSP + BLZN + Foundation LM	10 L/ha + 3.0 L/ha	5.55
T6	SSP + LiFT	13.7 L/ha	4.57
T7	GSP + ACA + Foundation LM	3.5 L/ha	5.13

LSD (P=0.05) = 0.685 CV = 14.45

Wheat – Tillers/m² vs Yield



Grain Yield

Tiller Numbers

LSD (P=0.05) = 0.685

CV = 14.45

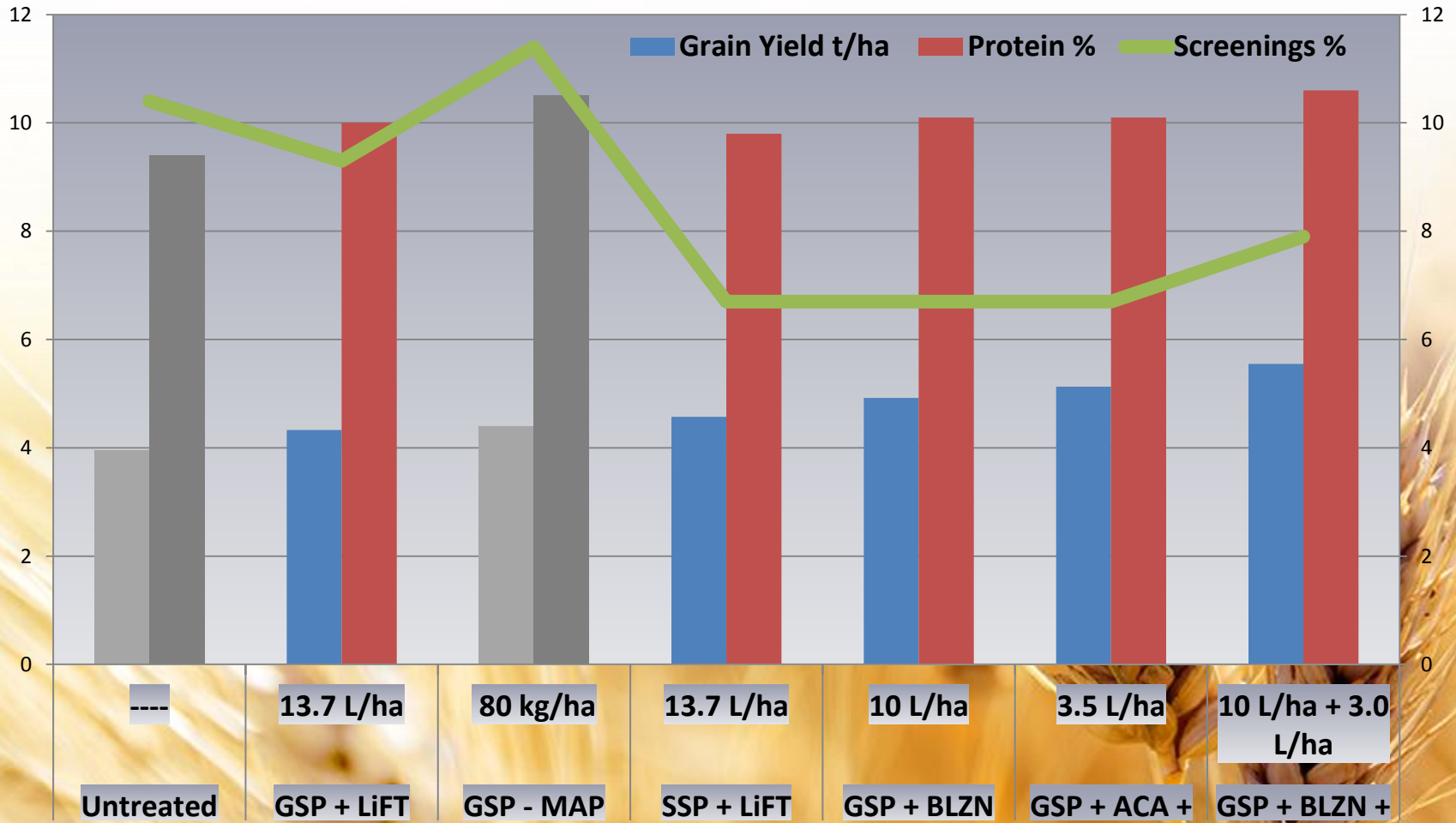
Wheat – Yield vs Protein vs Screenings

Treatment	Applied Rate	Grain Yield t/ha	Protein %	Screenings %
Untreated	----	3.95	9.4	10.4
GSP - MAP	80 kg/ha	4.39	10.5	11.4
GSP + LiFT	13.7 L/ha	4.33	10.0	9.3
GSP + BLZN	10 L/ha	4.92	10.1	6.7
GSP + BLZN + Foundation LM	10 L/ha + 3.0 L/ha	5.55	10.6	7.9
SSP + LiFT	13.7 L/ha	4.57	9.8	6.7
GSP + ACA + Foundation LM	3.5 L/ha	5.13	10.1	6.7

LSD (P=0.05) = 0.685 CV = 14.45

Wheat – Yield vs Protein vs Screenings

Yield - t/ha
Protein %

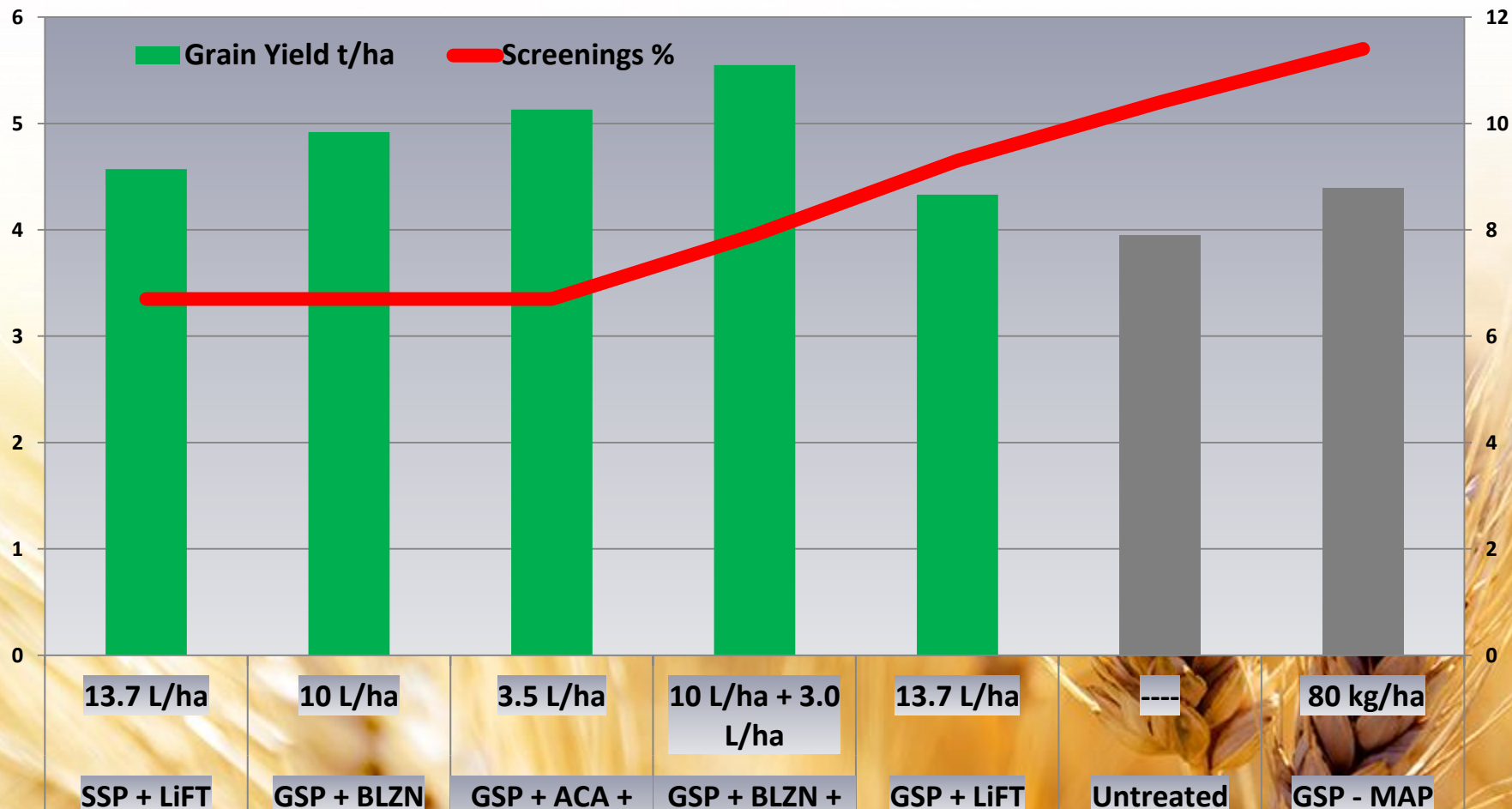


LSD (P=0.05) = 0.685 CV = 14.45

Wheat – Yield vs Screenings

Yield – t/ha

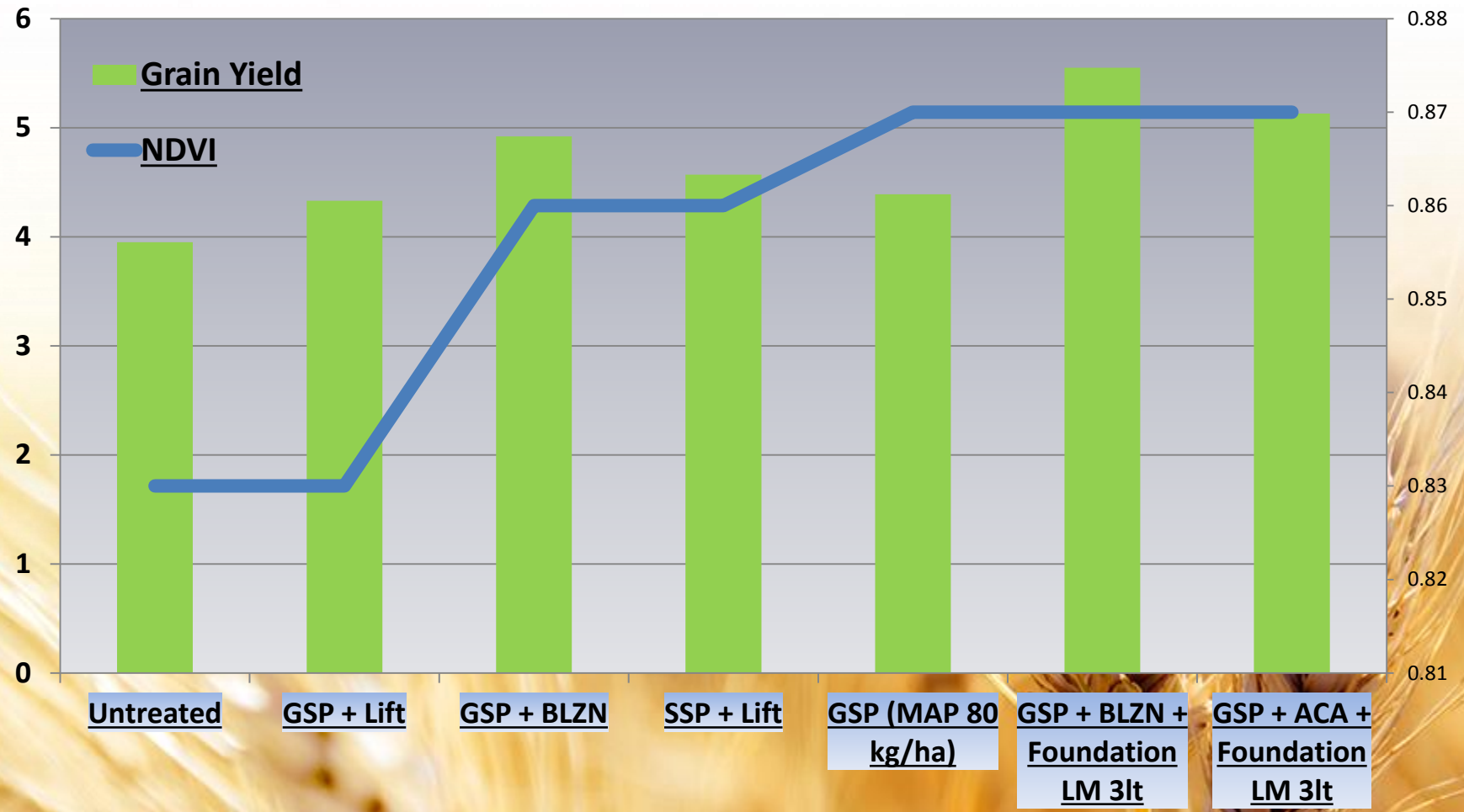
Screenings %



LSD (P=0.05) = 0.685 CV = 14.45



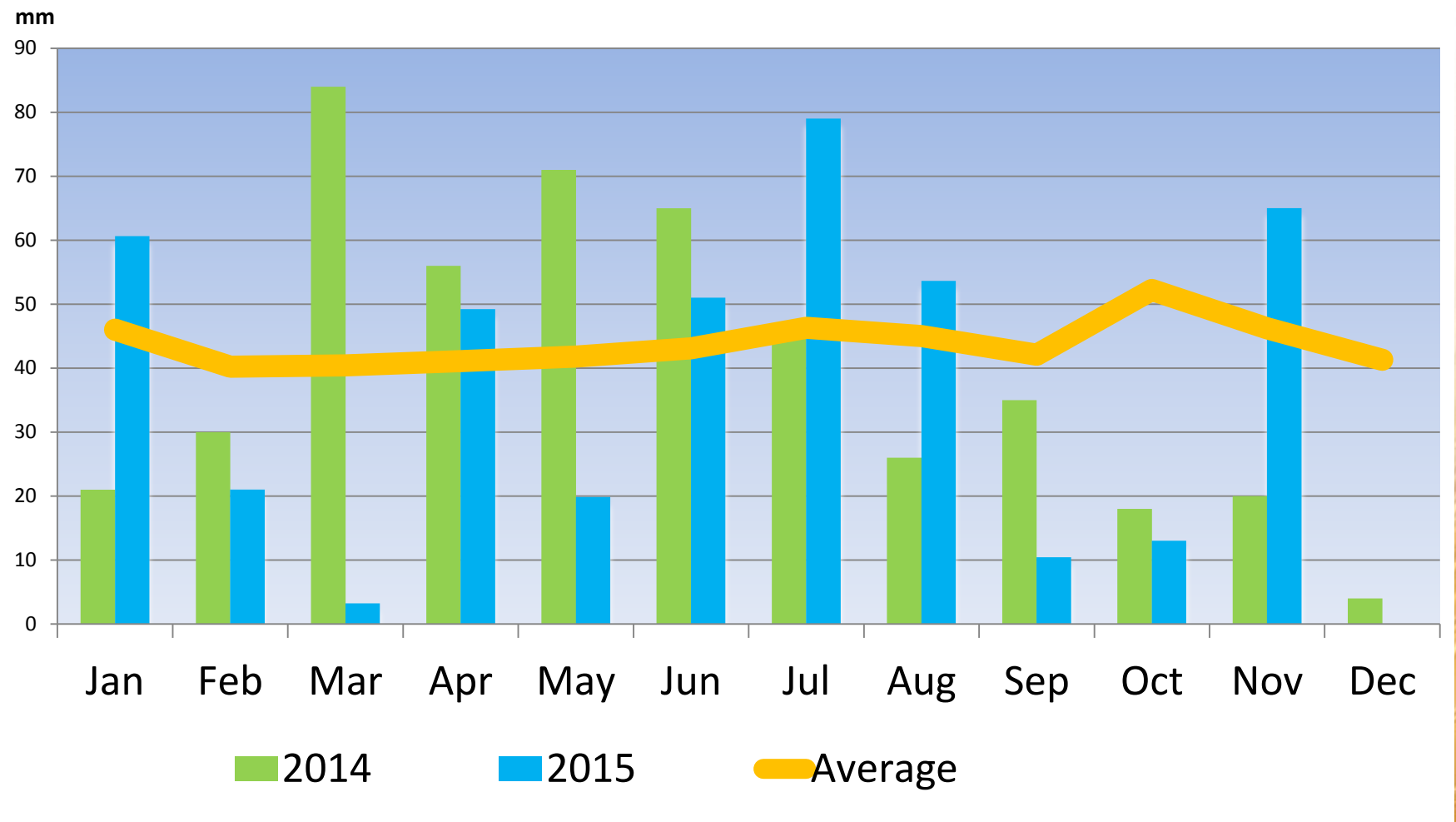
Wheat – NDVI correlation with yield



LSD (P=0.05) = 0.226 CV = 13.64



Temora Research Station Rainfall



Conclusions

- Slight correlation between increased tiller numbers and grain yield.
- Protein was very similar.
- Lower screenings with the Loveland products.
- GSP had the lowest test weight @ 79.9 kg/HL.
- GSP + BLZN + Foundation LM @ 86 kg/HL had the highest test weight.
- Visually no difference in the biomass during the season.
- NDVI correlation for MAP appeared greater than it actually yielded.
- Conversely, the top 2 NDVI values were the Foundation treatment plots.