



Loveland

AGRI PRODUCTS
Get Growing

LENTIL
MICRO NUTRIENT
KAINTON, SA

LOV16

Trial Design



- LOCATION: Paskeville, Northern Yorke Peninsula, SA
- Landmark Contact/ Cooperator: Leighton Wilksch
- Plot size – 1.5m x 11m – replicated x 4
- Treatments Applied: 29th August (Canopy Closure)

Seeding Date	19th May 2016
Site	Paskeville, SA
Variety	Jumbo2 (Lentil) 50 kg/ha
Protocol	Pre Sow: Terbyne Xtreme + 700gm/ha Sowing Equipment: Conserva Pak tynes on 260 mm spacings. Post Emergent: 28th July – Clethodim @ 1 lt/ha. Post Emergent: 31st Aug – Chlorothalonil + Carbendazim + Pirimor @ 1.0 + 0.5L + 0.5kg/ha applied Post Emergent: 23rd Sept - Carbendazim + Pirimor @ 1.0 + 0.5L + 0.5kg/ha Post Emergent: 10th October - Carbendazim + Trojan @ 1.0 + 0.5 + 0.05L/ha
GSP	Sowing fert: MAP at 60 kg/ha

Soil Test Data

SOIL 0-10 cm	
pH (CaCl ₂)	
eCEC cmol +/kg	
Calcium (Amm-acet) cmol +/kg	
Magnesium (Amm-acet) cmol +/kg	
Exch. Sodium %	

DEEP N 0-60cm	
Nitrate nitrogen (KCl) mg/kg	
Ammonium nitrogen (KCl) mg/kg	
Sulfate-S (KCl ₄₀) mg/kg	

Nitrate nitrogen (KCL) mg/kg	
Ammonium nitrogen (KCl) mg/kg	
Phosphorus (Colwell) mg/kg	
Potassium (Amm-acet) cmol+/kg	
Sulfate-S (KCl ₄₀) mg/kg	
Copper (DTPA) mg/kg	
Zinc (DTPA) mg/kg	

Trial Protocol



	Treatment	Treatment lt/ha
T1	GSP	-
T2	Nutrisync D	0.365
T3	Nutrisync D	0.73
T4	Spraygro Firmrite	7
T5	SJB Lig-grain plus	2
T6	Nutrisync D + Firmrite	0.365 + 7
T7	Nutrisync D + SJB Lig-grain plus	0.365 + 2

SprayGro Firmrite – Ca- 16%

SJB Lig-grain Plus – Zn-4%; Cu-3%; Mn-1%; B-0.5%;Mo-0.1% - fully chelated

Yield



Treatment	Treatment lt/ha	Yield T/ha
GSP	-	2.75
Nutrisync D	0.365	2.91
Nutrisync D	0.73	2.76
Spraygro Firmrite	7	2.73
SJB Lig-grain plus	2	2.65
Nutrisync D + Firmrite	0.365 + 7	2.77
Nutrisync D + SJB Lig-grain plus	0.365 + 2	2.79

Yield



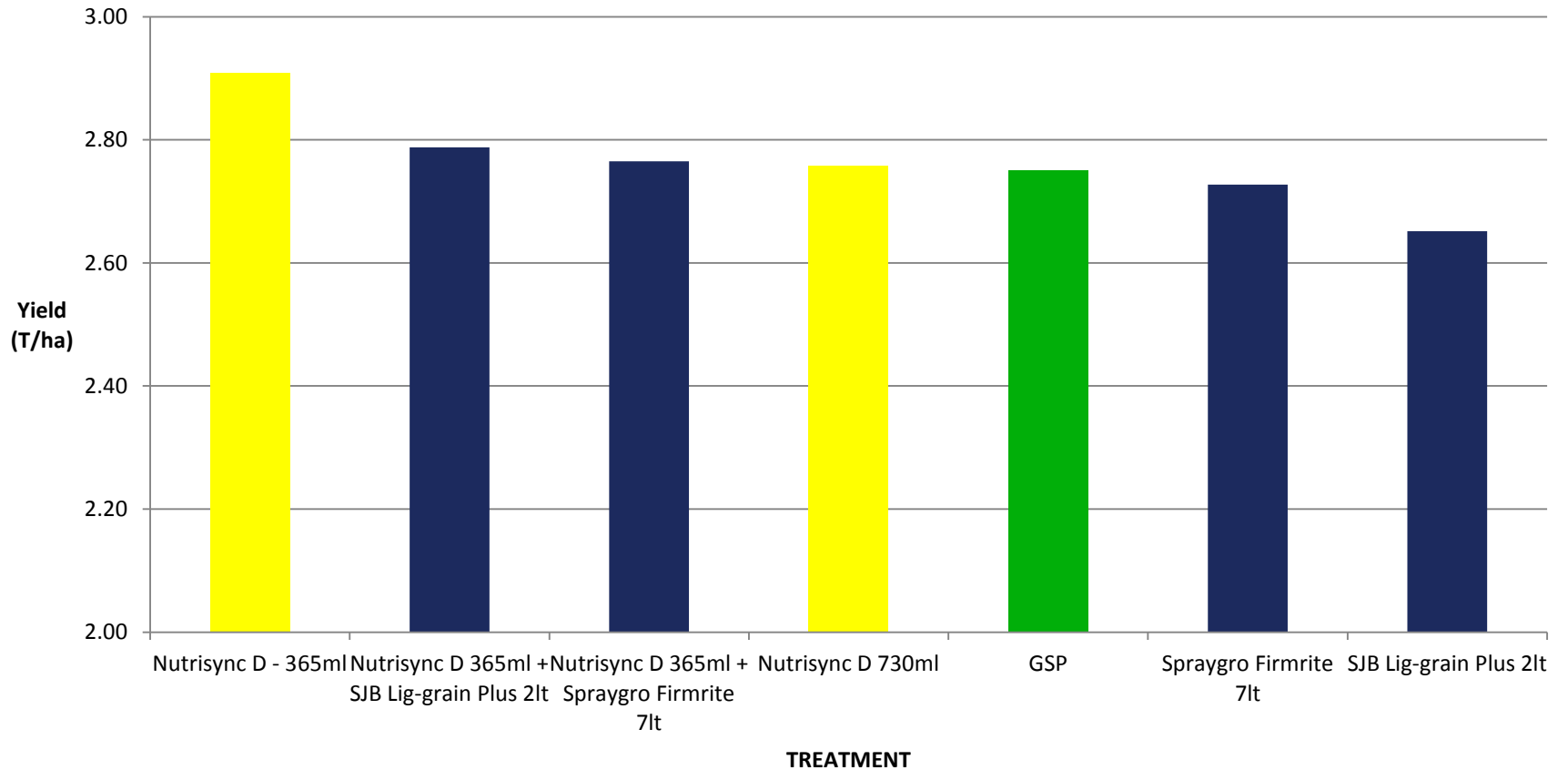
Treatment	Treatment lt/ha	Yield T/ha	Yield as % GSP	Sig diff
Nutrisync D	0.365	2.91	106	a
Nutrisync D + SJB Lig-grain plus	0.365 + 2	2.79	101	ab
Nutrisync D+ Spraygro Firmrite	0.365 + 7	2.77	100	ab
Nutrisync D	0.73	2.76	100	ab
GSP	-	2.75	100	ab
Spraygro firmrite	7	2.73	99	ab
SJB Lig-grain plus	3	2.65	96	b

Yield Statistics

LSD (P=0.05) - 0.24

CV - 7.7

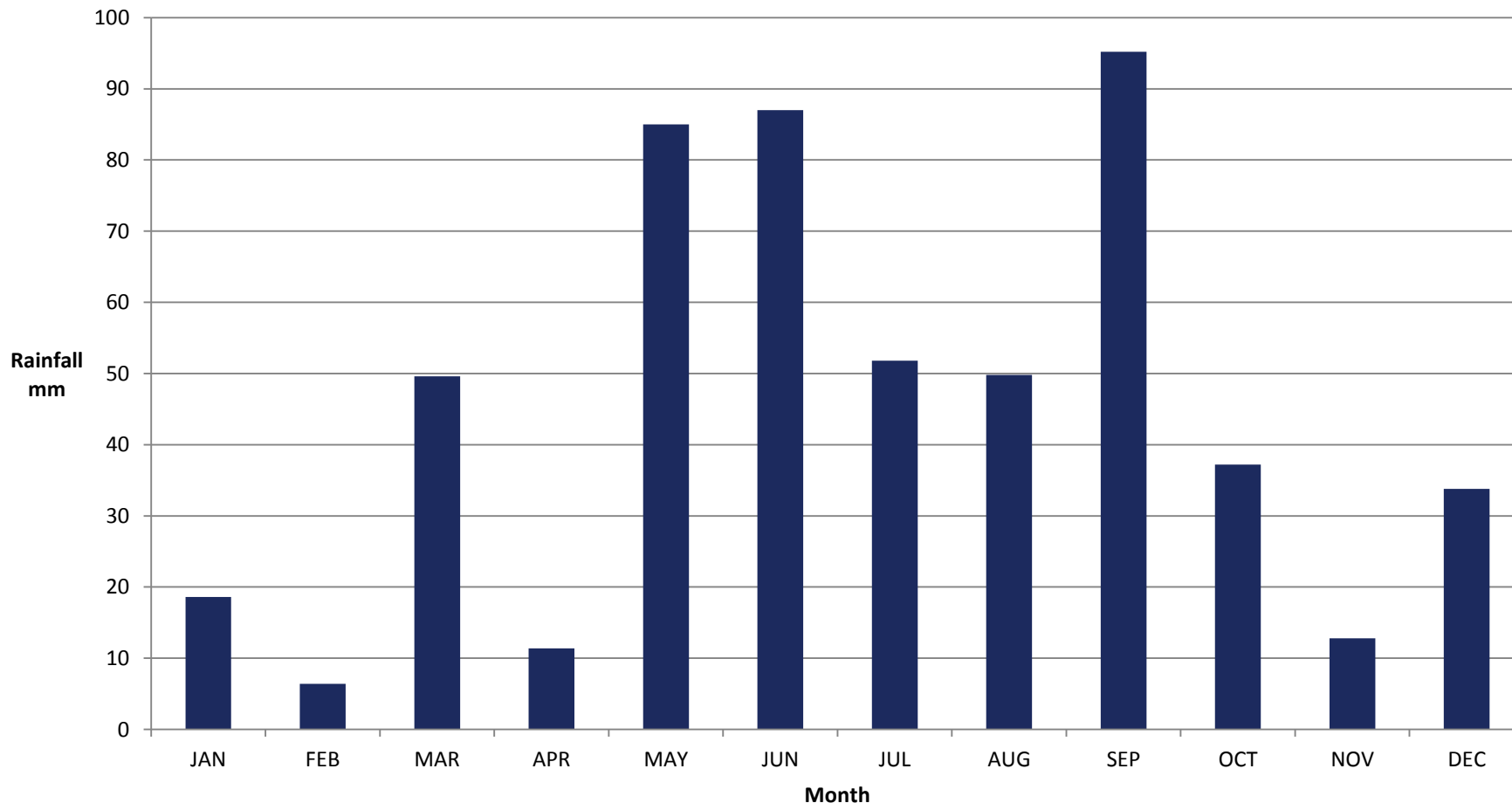
Yield (T/ha)



Rainfall Total – 538.6 mm



RAINFALL 2016 Paskeville SA



Conclusions

- Grower Standard yielded 2.75 T/ha
- **Nutrisync D applied at 365ml/ha** at canopy closure topped this trial with 2.91 T/ha or a 6% increase on GSP