



Loveland

AGRI PRODUCTS
Get Growing

CANOLA
Awaken ST + Jockey
Seed Treatment

LOV16_24

Trial Design



- Plot size – 10m x 1.75m – 4 reps
- Treatments Applied: Seed dressing

Seeding Date	Monday 16th May 2016
Site	Temora Agricultural Innovation Centre
Variety	Bonito TT Canola - 3kg/ha
Protocol	Pre Emergent: Roundup Ultramax @ 1.5 lt/ha + Trifluralin 480 @ 2.0 lt/ha + Atrazine @ 1.1 kg/ha Post Emergent: Fastac @ 250ml/ha + Talstar @ 200ml/ha Post Emergent: Atrazine @ 1.1kg/ha + Select @ 500ml/ha + Verdict @ 50ml/ha + Lontrel @ 300ml/ha + Liberate @ 500ml/100lt
GSP	Seed Treatment: Jockey at 20 lt/T seed Sowing fert: MAP @ 75kgs/ha + Flutriafol 500 at 200ml/ha Top dress fert: 100kg Urea 23/06/16

Soil Test Data

SOIL 0-10 cm	
pH (CaCl ₂)	5.7
eCEC cmol +/-kg	8.2
Calcium (Amm-acet) cmol +/-kg	5.7
Magnesium (Amm-acet) cmol +/-kg	1.0
Exch. Sodium %	0.9

Nitrate nitrogen (KCL) mg/kg	33
Ammonium nitrogen (KCl) mg/kg	1
Phosphorus (Colwell) mg/kg	45
Potassium (Amm-acet) cmol+/kg	1.4
Sulfate-S (KCl40) mg/kg	7.8
Copper (DTPA) mg/kg	0.95
Zinc (DTPA) mg/kg	0.52

Trial Protocol



Treatment #	Treatment	Applied Rate /T seed
T1	GSP (Jockey 20 lt/T seed)	-
T2	GSP + Awaken ST	5 lt
T3	GSP + Awaken ST	10 lt
T4	Awaken ST	10 lt
T5	LPI 6194	300 ml
T6	Bare Seed	-

Canola Yield and Quality



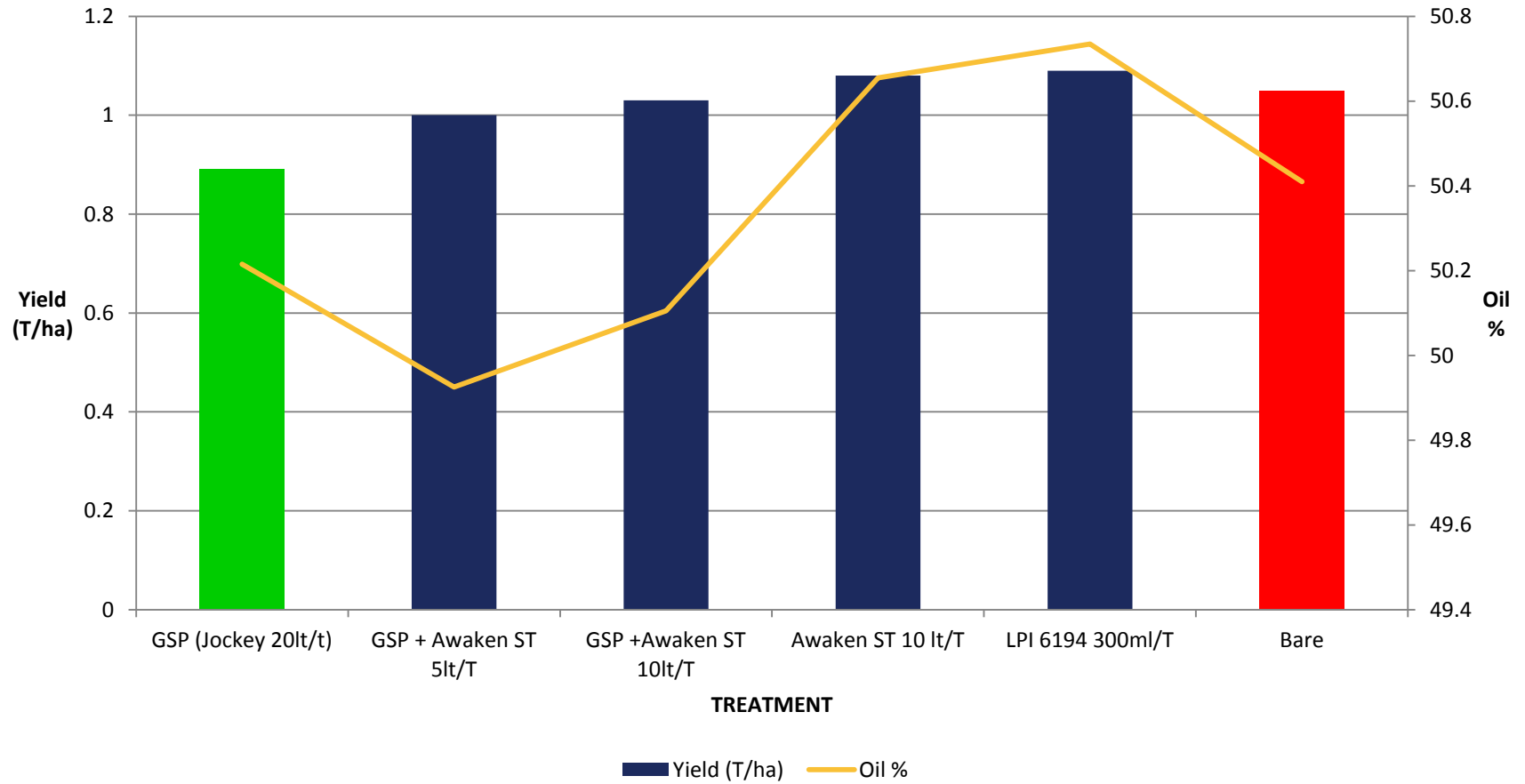
Treatment	Applied Rate /T seed	Grain Yield t/ha	Oil %	Protein %
GSP (Jockey 20lt/T)	-	0.89 a	50.2	16.7
GSP + Awaken ST	5 lt	1.00 a	49.9	16.9
GSP + Awaken ST	10 lt	1.03 a	50.1	17.1
Awaken ST	10 lt	1.08 a	50.7	16.8
LPI 6194	300 ml	1.09 a	50.7	17.0
Bare Seed	-	1.05 a	50.4	16.6

Yield Statistics

LSD (P=0.05) = 0.235

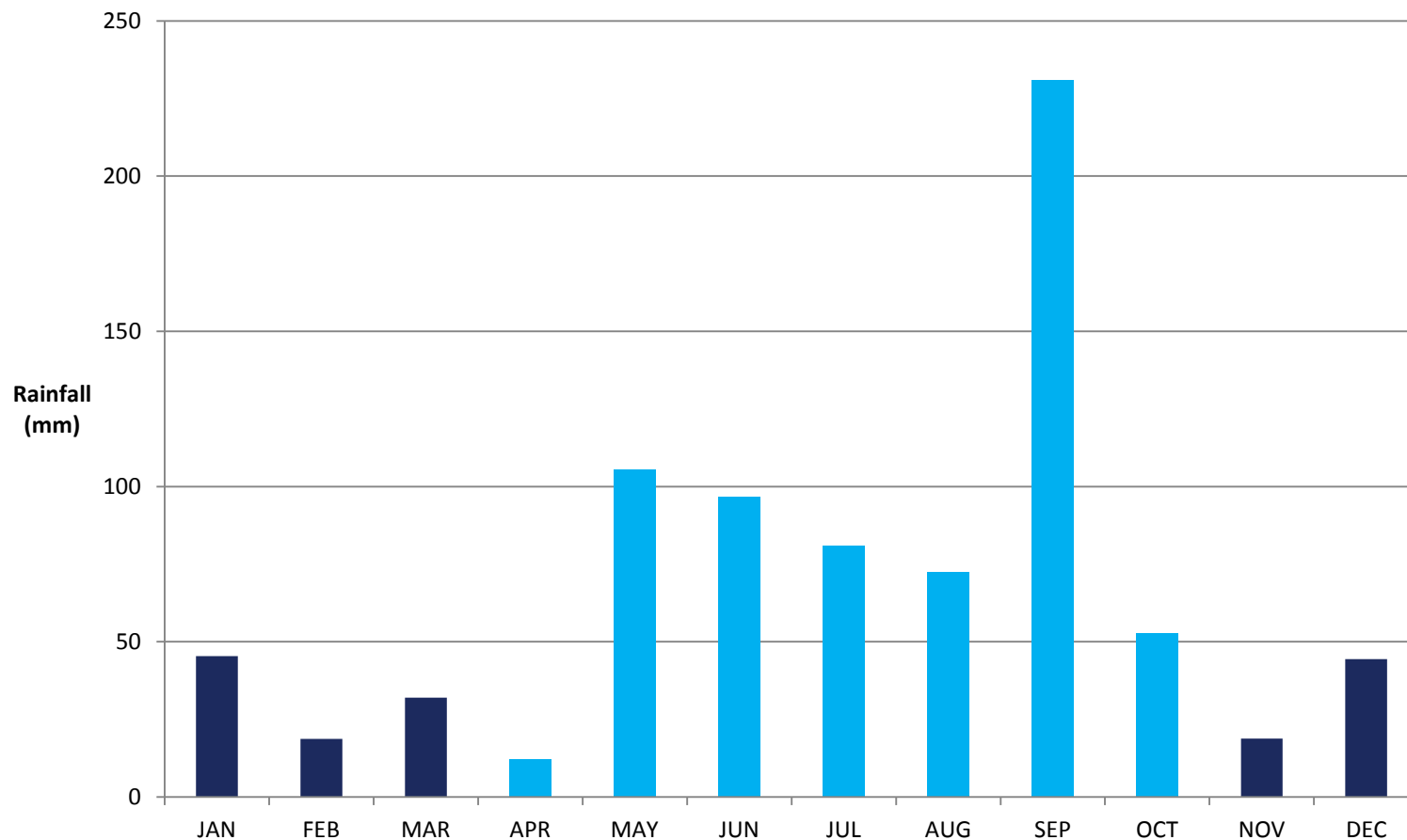
CV = 22.47

Canola Yield vs Protein



Treatment	Applied Rate /T seed	Grain Yield t/ha	Plants/ m2 4-10-16
GSP (Jockey 20lt/T)	-	0.89	35
GSP + Awaken ST	5 lt	1	36.3
GSP + Awaken ST	10 lt	1.03	39.4
Awaken ST	10 lt	1.08	38.8
LPI 6194	300 ml	1.09	38.8
Bare Seed	-	1.05	37.4

RAINFALL DATA - TAIC 2016



- **Total for Year:** 810.8 mm
- **Total - April – October:** 651.5 mm

Conclusions

- Trial suffered waterlogging
- No significant difference in yield 0.89 T – 1.09 T/ha
- LPI 6194 with no seed fungicide had a 200 kg/ha increase
- Awaken ST with no seed fungicide had a 190 kg/ha increase
- Oil ranged from 49.9 to 50.7% - so all high
- LPI 6194 and Awaken ST had a 0.5% increase in oil over GSP
- All treatments had Flutriafol 500 for added disease protection
- **Both Awaken ST and LPI 6194 showed positive yield increase**