



Loveland
AGRI PRODUCTS™

Trial Data

Awaken ST + Basis XC - Wheat

Forbes, NSW

Trial Setup

- Plot size = 10m x 1.75m - 4 replicates

Planting date: *08/05/2017*

Application date: *Treatments applied 1 day prior to sowing*

Site: *Forbes, NSW*

Variety: *Beckom wheat @ 50kg/ ha (all seed had Evergol Prime)*

GSP: *Sowing Fertiliser: MAP @ 65kg/ ha - Treated Flutriafol 500 @ 200mL/ ha*

Top Dress Fertiliser: Urea @ 120kg/ ha

Protocol: *Pre Sow: Panzer 450 @ 1.5L/ ha + Sakura @ 118gm/ ha + SP700 @ 250mL/ 100L*

Post Emergent: Broadside @ 1.4L/ ha

Trial Protocol

Treatment		Applied Rate L/ t
T1	GSP	-
T2	GSP + Awaken ST	3.65
T3	GSP + Basis XC	2
T4	GSP + Awaken ST + Basis XC	3.65 + 2
T5	Foundation LM	5

NOTE:

Awaken ST: Zinc Ammonium Acetate - Applied 3.65L/ t seed

Basis XC: Bio chemical product - Applied 2L/ t fertiliser

Foundation LM: Bio chemical product - Applied on seed/ t

Soil Test Data

Soil (31/03/2014)	0-10cm	10-30cm
pH (CaCl ₂)	4.5	5.9
CEC (meq/100g)	5.49	6.57
Calcium (Amm-acet) (meq/100g)	3.74	5.16
Magnesium (Amm-acet) (meq/100g)	0.53	0.68
Sodium (Amm-acet) (meq/100g)	<0.1	<0.1
Nitrate nitrogen NO ₃ -N ppm	14.1	8.0
Ammonium nitrogen NH ₄ -N ppm	1.9	1.8
Phosphorous (Colwell) ppm	45	14
Potassium (Amm-acet) (meq/100g)	1.12	0.64
Sulfur (MCP) ppm	5	3
Copper (DTPA) ppm	0.7	0.5
Zinc (DTPA) ppm	1.2	0.2

Deep N (0-60cm) (24/01/2017)	
Nitrate nitrogen (KCl) mg/kg	6
Ammonium nitrogen (KCl) mg/kg	<1
Sulfate-S (KCl40) mg/kg	2

NOTE

Paddock had 2.5t/ ha variable rate Lime applied.

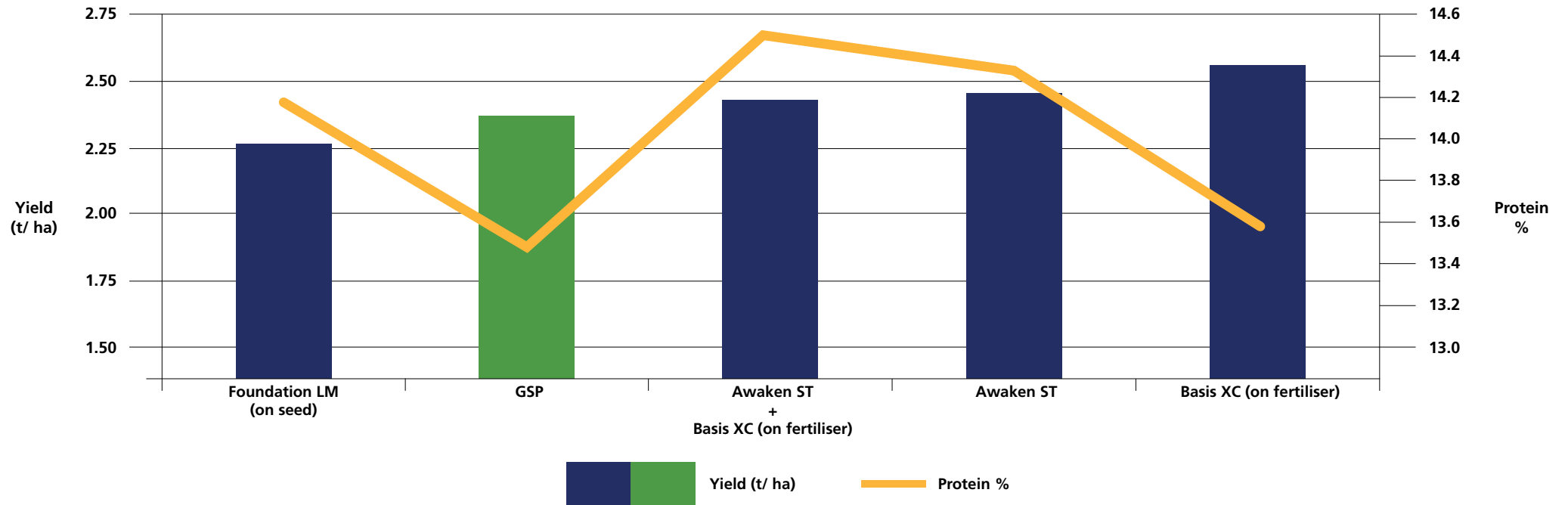
© 2020 Loveland Agri Products. Always read and follow label directions.
Awaken is a registered trademark of Loveland Agri Products.

Yield

Treatment	Applied Rate L/ ha	Grain Yield t/ ha		P = 0.20	Protein %	Test WGT kg/ hl
GSP	-	2.36	a	ab	13.5	81.2
GSP + Awaken ST	3.65	2.43	a	ab	14.3	81.8
GSP + Basis XC	2	2.54	a	a	13.6	80.8
GSP + Awaken ST + Basis XC	3.65 + 2	2.42	a	ab	14.5	81.2
Foundation LM	5	2.26	a	b	14.2	82
	LSD (P=0.05)	0.295				
	LSD (P=0.2)	-		0.183		
	CV	7.97				

© 2020 Loveland Agri Products. Always read and follow label directions.
Awaken is a registered trademark of Loveland Agri Products.

Yield vs Protein



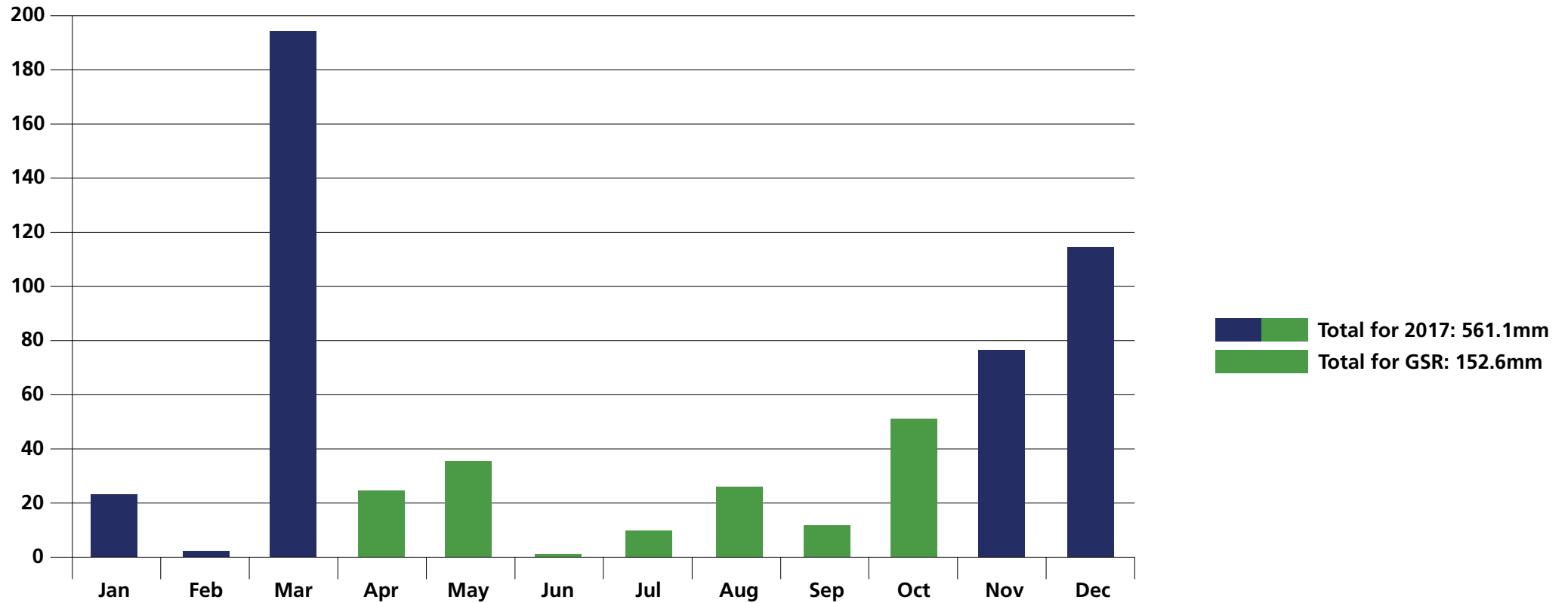
© 2020 Loveland Agri Products. Always read and follow label directions.
Awaken is a registered trademark of Loveland Agri Products.

Wheat - Plant and Head Counts

Treatment	Applied Rate L/ t	Plant Count/ m ² (31/05/2017)		Head Count/ m ² (16/10/2017)	
GSP	-	59.16	a	198	a
GSP + Awaken ST	3.65	55	ab	180.95	a
GSP + Basis XC	2	49.92	ab	172.15	a
GSP + Awaken ST + Basis XC	3.65 + 2	60.5	ab	187.55	a
Foundation LM (on seed)	5	47	a	191.95	a
LSD (P=0.05)		11.76		30.642	
CV		14.05		10.69	

© 2020 Loveland Agri Products. Always read and follow label directions.
Awaken is a registered trademark of Loveland Agri Products.

Forbes - Rainfall (mm)



© 2020 Loveland Agri Products. Always read and follow label directions.
Awaken is a registered trademark of Loveland Agri Products.

Conclusions

- This trial was affected by low in crop rainfall
- In this trial, all treatments achieved over 13% protein
- The GSP (MAP), achieved a yield of 2.36t/ ha
- Basis XC at 2L/ t achieved a 2.54t/ ha or 180kg increase
- Awaken ST at 3.65L/ t achieved a 2.43t/ ha or 70kg increase
- When Awaken ST was applied to the seed and Basis XC to the fertiliser, yield was 2.42t/ ha