



Loveland
AGRI PRODUCTS™

Trial Data

Awaken ST - Lentil & Faba Bean

Minhard, SA

Trial Setup

Location:	Minhard	
Plot size:	8m X 1.5m	
Replicates:	3	
Sowing date:	04/05/2016	
	Beans	Lentils
Sowing rates:	Samira 12 plants/m ² BASF Nodulator Granular Inoculant	Hurricane 120 plants/m ² BASF Nodulator Granular Inoculant
Fertiliser:	80kg/ ha DAP	80kg/ ha DAP
Herbicides:	Double Knockdown 1.2 Triflur + Propyzamide + 0.5 Diuron + 1 Lorsban 500 Select + 180 Factor + 1% Hasten 2L Chlorothalonil + 150 Tebuconazole + 3L Signature ZMC 1.5L Chlorothalonil + 0.5 Spinfo + 3L Signature ZMC + 300 Piramor 2L Chlorothalonil + 0.5 Spinfo 1.2L Chlorothalonil + 0.5 Spinfo + 30 Trojan Dessicated 1.5L Spray Seed + 25g Sharpen + 1% MSO	Double Knockdown 1.2 Triflur + 1 Propyzamide + 0.5 Diuron + 1 Lorsban 500 Select + 180 Factor + 1% Hasten 150mL Brodal 2L Chlorothalonil + 0.5 Spinfo + 300 Piramor 1.5L Chlorothalonil + 0.5 Spinfo + 3L Signature ZMC + 300 Piramor 2L Chlorothalonil + 0.5 Spinfo 1.2L Chlorothalonil + 0.5 Spinfo + 30 Trojan Dessicated 1.5L Spray Seed + 25g Sharpen + 1% MSO

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

Soil Test & Rainfall Data

Soil 0-10cm	
pH (CaCl ₂)	6.5
DGT P	42
PBI	36

Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Rainfall (mm)	1	74	8	32	89	78	74	31	64	36	4	24
Total (mm)	515											
2016 GSR	404											
Mean	425											

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

Trial Protocol (both crops)

Seeding		Foliar
T1	Untreated Control	
T2	3L Foundation LM (in-furrow)	
T3	10L Black Label Zinc (in-furrow)	
T4	Awaken ST (on seed)	
T5	K Seeding (48 SOP 20K)	
T6	K Seeding	5L LoKomotive (start of flowering)
T7	K Seeding + 4L Calbud	5L LoKomotive (start of flowering)
T8		5L LoKomotive x2 (start of flowering + 3 weeks)
T9		365mL NutriSync D (start of flowering)
T10		5L LoKomotive + 365mL NutriSync D + 4L Calbud x2 (start of flowering + 3 weeks)

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

Yield - Lentil

Lentils	Seeding	Foliar	Yield t/ ha	% of untreated
4	Awaken ST (on seed)		3.27	128%
9		NutriSync D	2.98	116%
7	K Seeding + Calbud	LoKomotive	2.74	107%
2	Foundation LM (in-furrow)		2.69	105%
5	K Seeding (48 SOP 20K)		2.67	104%
6	K Seeding	LoKomotive	2.65	104%
3	Black Label Zinc (in-furrow)		2.62	102%
8		LoKomotive x2	2.60	102%
10		LoKomotive + NutriSync D + Calbud x2	2.58	101%
1	Untreated Control		2.56	100%
Mean			2.73	
LSD (0.05)			ns	
CV			11.9	

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

Yield - Faba Beans

Faba Beans	Seeding	Foliar	Yield t/ ha	% of untreated
9		NutriSync D	5.53	103%
4	Awaken ST (on seed)		5.49	102%
8		LoKomotive x2	5.45	102%
3	Black Label Zinc (in-furrow)		5.39	101%
7	K Seeding + Calbud	LoKomotive	5.37	100%
1	Untreated Control		5.36	100%
6	K Seeding	LoKomotive	5.36	100%
5	K Seeding (48 SOP 20K)		5.35	100%
2	Foundation LM (in-furrow)		5.14	96%
10		LoKomotive + NutriSync D + Calbud x2	5.02	94%
Mean			5.35	
LSD (0.05)			ns	
CV			4.7	

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

Conclusions

- Awaken ST returned a 700kg (28%) yield increase over the control treatment when applied to lentils and a 130kg (2%) increase when applied to Faba Beans as a seed treatment
- NutriSync D when applied to Lentils increased yield compared to control by 400kg (16%) and 140kg (3%) when applied to Faba Beans