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LIEBE GROUP SPRING FIELD DAY

Thursday 14th September 2006

The Liebe Group presents the 2006 Spring Field Day with support from the following organisations:

Department of Agriculture & Food	CSBP	Elders	Syngenta
Agritech Crop Research	Jolly & Sons	Boekeman Machinery	
Landmark/AWB	Canola Breeders WA	Chemtura	UWA
Grower Group Alliance	CSIRO	Kondidnin Group	Grain Pool
	Syme Family		

Disclaimer: All information in this booklet is believed to be true and correct.
No responsibility is taken for incorrect information printed.



WELCOME

I would like to welcome you all to our Spring Field Day. Unfortunately we stand here today in what has been a trying season for us all. Some of the trials have been severely affected by the season. This is unfortunate as I believe that we had lined up a great range of trials that would have provided some great information for us all. However some of the trials that we will have the opportunity to view will still provide us with great information. The agenda is very comprehensive and I urge you to take time to try and plan your day to maximise benefits to your business.

Thank you to CSBP, Agritech Crop Research, Department of Agriculture and Food (DAFWA), Elders, Syngenta, Landmark/AWB, Canola Breeders WA, Chemtura and UWA for their support and trials with the Liebe Group this season. We value your partnership in this day immensely. There are also a number of non-field presentations at this year's Spring Field Day which include the Grower Group Alliance Precision Agriculture roadshow tent, which has brought along presenters including Ian Maling from Silverfox, Michael Robertson from CSIRO and Ben White from the Kondidnin Group and machinery presentations from Jolly and Sons and Boekmans. Other non-field presentations include a 'Weed Seeker demonstration by Peter Newman from DAFWA, a speed fencing demonstration by Binnu farmer Don Nairn and Tim Wiley from DAFWA, a tynes vs disc demonstration by the Kondinin Group, a climate forecasting presentation by Kari-Lee Falconer from DAFWA, beer competition by the Grainpool and we are most fortunate to have US Consul General Robin McClellan as our guest speaker!

I would like to take this opportunity to thank the Syme family for making this site available and for their tremendous assistance in helping make these trials a success.

We have taken steps to implement a longer time line with our planning for the Spring Field Day. I have pleasure in announcing that the Spring Field Day will be hosted by Steve Carter at Xantippe in 2007 and Clinton Hunt at Marchagee in 2008. This will enable us to ensure good weed hygiene at the site for variety trials. It will also enable us to plan different rotation, nutrition and disease based trials. We are excited about this and believe we will enhance our already great relationship with our research partners. We welcome members who would like to host the Spring Field Day to register your interest with the office.

Please do not hesitate to catch up with myself or any of the committee during the day if you want to have a chat about anything. We always welcome your feedback.

I hope you all enjoy the day.

Regards,

Stuart McAlpine
R&D Chairperson
Liebe Group

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MAIN TRIAL SITE PADDOCK INFORMATION

Farmer: Ian & Jeanette Syme

Location: South Buntine

3 paddocks: A1, C5 & J2

Soil test results from 2005

A1 – 2006 Pasture

Soil components	0-10 cm	10-20 cm	20-30 cm
Nitrate N (mg/kg)	1	1	1
Ammonium N (mg/kg)	1	1	1
P (mg/kg)	27	10	10
K (mg/kg)	65	40	106
S (mg/kg)	4.9	10.4	15.9
Organic Carbon (%)	1.06	0.50	0.59
Reactive Iron (mg/kg)	421	601	534
Conductivity (dS/m)	0.029	0.027	0.039
pH (CaCl ₂)	5.0	4.7	5.8

Crop Rotation: 2005 = Wheat (Arrino), 2004 = Wheat (Arrino), 2003 = Wheat (Calingiri), 2002 = Volunteer Pasture, 2001 = Volunteer Pasture

C5 – 2006 Wheat

Soil components	0-10 cm	10-20 cm	20-30 cm
Nitrate (mg/kg)	1	1	1
Ammonium N (mg/kg)	2	2	2
P Colwell (mg/kg)	19	13	12
K Colwell (mg/kg)	185	181	173
Sulphur (mg/kg)	3.1	3.7	8.1
Organic Carbon (%)	0.90	0.66	0.81
Reactive Iron (mg/kg)	272	300	358
Conductivity (dS/m)	0.050	0.034	0.047
pH (CaCl ₂)	5.00	5.8	6.1

Crop Rotation: 2005 = Pasture, 2004 = Wheat (Calingiri), 2003 = Volunteer Pasture, 2002 = Volunteer Pasture, 2001 = Wheat (Calingiri)

J2 – 2006 Wheat

Soil components	0-10 cm	10-20 cm	20-30 cm
Nitrate (mg/kg)	4	3	2
Ammonium N (mg/kg)	2	1	1
P Colwell (mg/kg)	24	9	7
K Colwell (mg/kg)	39	28	22
Sulphur (mg/kg)	16.1	13.4	36.2
Organic Carbon (%)	0.78	0.82	0.47
Reactive Iron (mg/kg)	455	563	513
Conductivity (dS/m)	0.052	0.029	0.038
pH (CaCl ₂)	5.0	4.9	4.5

Crop Rotation: 2005 = Lupin (Belara), 2004 = Wheat (Arrino), 2003 = Volunteer Pasture, 2002 = Serradella/Cadiz, 2001 = Wheat (Calingiri)

2006 Rainfall (mm)

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	GSR total	Total
89	6	4	29	26	9	15	21	25	123	220

LIEBE GROUP SPRING FIELD DAY AGENDA - Choose your own Field Day

9.00	9.30	Registration				
9.30	9.35	Welcome – Keith Carter, Liebe Group President				
9.35	9.40	Farm Information – Ian Syme, Main Trial Site Host Farmer				
9.40	9.50	Housekeeping – Brianna Peake, Liebe Group Executive Officer				
TIME		FIELD PRESENTATIONS				MARQUEE PRESENTATIONS
10.00	10.30	4 Pre-emergent herbicide Syngenta (1of2)	8 Wheat NVT Agritech (1of3)	10 Lupin Weed Management - DAFWA (1of3)	6 Tactical Nitrogen CSBP (1of2)	PA tent browsing (1of1)
10.40	11.10	2 Wheat Time of Sowing – DAFWA (1of3)	4 Pre-emergent herbicide Syngenta (2of2)	9 Canola NVT Agritech (1of3)	5 Rappa Speed Fencing Demonstration (1of3)	Seasonal Forecasting (1of1)
11.20	11.50	8 Wheat NVT Agritech (2of3)	11 Pasture Options Elders (1of2)	7 Wheat Practice for Profit – Liebe/Agritech (1of3)	3 Weed Seeker Demonstration (1of2)	Variable Rate Technology (1of2)
12.00	12.20	Liebe Group – Research and Development Planning				
12.20	1.10	Special Guest Speaker – Robin McClellan, US Consul General				
1.10	1.50	LUNCH				
2.00	2.30	2 Wheat Time of Sowing – DAFWA (2of3)	8 Wheat NVT Agritech (3of3)	5 Rappa Speed Fencing Demonstration (2of3)	1 Premium Choice Varieties AWB/Landmark (1of2)	Know Your Territory Silver Fox (1of2)
2.40	3.10	7 Wheat Practice for Profit – Liebe/Agritech (2of3)	10 Lupin Weed Management - DAFWA (2of3)	9 Canola NVT Agritech (2of3)	3 Weed Seeker Demonstration (2of2)	7 C's of purchasing GPS Equipment (1of1)
3.10	3.30	AFTERNOON TEA				
3.40	4.10	5 Rappa Speed Fencing Demonstration (3of3)	7 Wheat Practice for Profit – Liebe/Agritech (3of3)	6 Tactical Nitrogen CSBP (2of2)	1 Premium Choice Varieties AWB/Landmark (2of2)	Variable Rate Technology (2of2)
4.20	4.50	9 Canola NVT Agritech (3of3)	2 Wheat Time of Sowing – DAFWA (3of3)	10 Lupin Weed Management - DAFWA (3of3)	11 Pasture Options Elders (2of2)	Know Your Territory Silver Fox (2of2)
5.00	58.10	Close				
5.10 onwards		CBH Group – beer competition and lupin product tastings, Georgie Gardner singing, bar open and BBQ				

Presentations

Trial No. (times showing)	Name	Company	Presenters	Description
1 (2)	Premium Choice Varieties	AWB/Landmark	Ty Henning	Performance of AWB Premium Choice Wheat varieties
2 (3)	Wheat Time of Sowing	DAFWA	Christine Zacoju-Kunesch	Performance of wheat varieties x 3 times of sowing
3 (2)	Weed Seeker	DAFWA	Peter Newman	Demonstration of new 'green seeking' spray technology
4 (2)	Pre-emergent herbicide	Syngenta	Grant Morrow	Testing of new pre-emergent herbicide
5 (3)	Rappa Speed Fencing	Grower Demo	Don Nairn and Tim Wiley	Demonstration of Rappa electric fencing technology
6 (2)	Tactical Nitrogen	CSBP	Erin Cahill	Investigate optimum Flexi N timing for yield and quality of wheat and barley
7 (3)	Wheat Practice for Profit	Liebe Group	Darren Chitty	4 wheat varieties x 4 management practices
8 (3)	Wheat NVT	Agritech	Peter Burgess and wheat breeders	Testing of developed and new wheat varieties
9 (3)	Canola NVT	Agritech	Peter Burgess and canola breeders	Testing of developed and new canola varieties
10 (3)	Lupin Weed Management	DAFWA	Martin Harries	Lupin in narrow and wide row spacing x time of sowing x weed management practices
11 (2)	Pasture Options	Elders	Dave Scholz	Productive grasses, wimmera vs. tetraploid ryegrass and annual legume comparisons
Marquee Presentations				
(1)	Seasonal Forecasting	Liebe Group DAFWA	Brianna Peake Karri-Lee Falconer	Yield Prophet predictions for Main Trial Site and DAFWA seasonal forecasting
(2)	Variable Rate Technology	CSIRO and Liebe Group	Michael Robertson Brian McAlpine	Managing spatial variability on farm and grower experience
(1)	7 C's of Purchasing GPS Equipment	Kondinin Group	Ben White	Discussion of what needs to be considered when buying GPS equipment and PA grower case study.
(2)	Know Your Territory	Silver Fox	Ian Maling	Making Variable Rate Happen AND Pay

A1

5 km south of Buntine

Mullewa
Wubin
Road

Tactical N
CSBP
6

Rappa
Speed
Fencing
Demo
5

Pre-emergent
Syngenta
4

P
demo
CSBP

Wheat time
of sowing
DAFWA
2

Premium
Choice
Varieties
AWB/
Landmark
1

Barley
Practice
for Profit
Liebe

Weed
Seeker
Demo
3

Wheat Practice
for Profit
Liebe
7

Wheat
NVT
Agritech
8

Precision
Agriculture
Machinery
Demonstration
& Tynes vs
Discs

Marque
PA tent
Carpark
Toilets

Lupin weed
management
DAFWA
10

Pasture
Options
Elders
11

Premium
Choice
Varieties
AWB/
Landmark

C5

Canola NVT
Agritech
9

J2

11 km
north of
Wubin

Trial not presented

PREFERRED VARIETY TRIAL – NE WHEATBELT W.A.

Tyrone Henning, Landmark Agronomist Dalwallinu



BACKGROUND

The AWB Preferred variety trial is designed to look at the profitability that can be gained from the different preferred varieties while managing inputs to gain yield, protein and premium segregation in the North Eastern Wheatbelt of Western Australia.

Due to the competitive nature of export markets, premium choice varieties are needed so that the Australian grain grower can command a premium for their product in the international market place. The following varieties are premium choice varieties and are been tested to see if they can be more profitable to grow than the current conventional wheat varieties. All facets through the Golden Rewards Matrix are to be explored with protein percentage, screening percentage, hectoliter weight and not to forget yield to determine the profitability of each variety per hectare.

TRIAL DETAILS

Plot size & replication	1.8m x 20m Triple replicated randomized design
Soil type	Clay Loam
Sowing date	20/5/06
Seeding rate	75 kg/ha
Fertilisers/timing	Sowing
Herbicides/timing	K-Down, Pre-emergent
Fungicides/timing	NA
Insecticides/timing	Knockdown

TREATMENT LAYOUT

Plot	Treatment
1	Castle Rock
2	Bonnie Rock
3	Sapphire
4	Carnamah
5	Wyalkatchem

COMMENTS

The wheat stubble site had a higher clay content in the soil and the germination percentage was significantly reduced. The pasture site had a reasonable germination, however was staggered and patchy. The wheat stubble may not be taken to yield and the pasture site may not yield any significant results.

Due to the summer rain and low yield potential, the response to nitrogen should be limited to the amount of moisture available. Due to the trial been based on economics, the top up applications of Nitrogen have not been needed. With the drought conditions experienced at full flag emergence, no fungicide and Flexi-N were applied.

WHEAT TIME OF SOWING

Christine Zaicou-Kunesch, Research Officer, DAFWA Geraldton



Department of Agriculture and Food
Government of Western Australia



GRDC Grains Research &
Development Corporation

BACKGROUND

The aim of this trial is to investigate how the yield and quality of new wheat genotypes responds to sowing times and environments in the Western Region. Matching variety choice and sowing time to ensure the varieties can fill grain before drought and heat stress significantly reduce yields was never more important than this year. At the field day, growers will be able to compare the effect of different sowing times on the performance of 24 wheat varieties or potential varieties from public and private breeding organisations. In addition, the trial this year provides us with the opportunity to discuss the relative merits of wet and dry sowing on crop establishment and the impact of moisture stress on the growth, development and yield potential of the wheat crop. The wheat time of sowing trial is part of a statewide project funded by the GRDC and DAFWA to provide growers with agronomic packages for newly released wheat varieties.

TRIAL DETAILS

Plot size & replication	1.44 x 20m
Sowing date	TOS1: 17 th May; TOS2: 30 th May; TOS3: 29 th June
Seeding rate	Approx 65 kg/ha
Fertilisers/timing	At seeding 100kg Agras #1 banded

WHEAT VARIETIES

- 1 AGT Scythe
- 2 Arrino
- 3 Calingiri
- 4 Carnamah
- 5 EGABonnie Rock
- 6 EGA Eagle Rock
- 7 Ellison
- 8 EGA Wentworth
- 9 GBA03.1129
- 10 GBA3.09.AH
- 11 GBASapphire
- 12 H46
- 13 LPB0056
- 14 LPB0617
- 15 LPB1213
- 16 Sentinel
- 17 Tammarin Rock
- 18 WAWHT2713
- 19 Binnu
- 20 WAWHT2750
- 21 WAWHT2773
- 22 Wyalkatchem
- 23 Yitpi
- 24 Young

COMMENTS

The varieties sown on the 17th May (TOS1) emerged soon after sowing. Dry conditions at sowing on the 30th May (TOS2) resulted in a delayed emergence of the varieties in late June. The 3rd TOS was on the 29th July and the crops emerged a week later.

SYNGENTA PRE-EM 1 *LOLIUM RIGIDUM* EFFICACY VS COMPETITORS IN WHEAT



Grant Morrow, WA State Sales Manager

BACKGROUND

The aim of this trial was to demonstrate the efficacy of proposed use rates of Syngenta pre-em 1 for control of annual ryegrass (ARG) relative to other standard pre-emergent herbicides applied solo or as tank-mixes.

TRIAL DETAILS

Plot size & replication	1.8m x 12m; 4 replications
Soil type	Sandy loam over clay
Sowing date	24/05/06
Seeding rate	80 kg/ha Calingiri
Fertilisers/timing	80 kg/ha urea top dressed + 100 kg/ha MAPSCZ; applied at sowing
Herbicides/timing	1.5 L/ha Roundup PowerMax pre-sowing. 1 L/ha Buctril MA applied on 4/7/06

TREATMENT LAYOUT

No.	Treatment	Product rate (ml/g/ha)
1	Untreated	---
2	Syngenta pre-em 1	R1
3	Syngenta pre-em 1	R2
4	Syngenta pre-em 2	R1
5	Triflur X	1500
6	Triflur X	3000
7	Triflur X + Syngenta pre-em 1	1500 + R1
8	Triflur X + Syngenta pre-em 1	1500 + R2
9	Triflur X + Dual Gold	1500 + 312
10	Triflur X + Avadex	1500 + 1600
11	Triflur X + Diuron	1500 + 500
12	Logran + Syngenta pre-em 1	35 + R2

All treatments were incorporated by sowing (IBS) within 2 hours of application.

TRIAL DESIGN

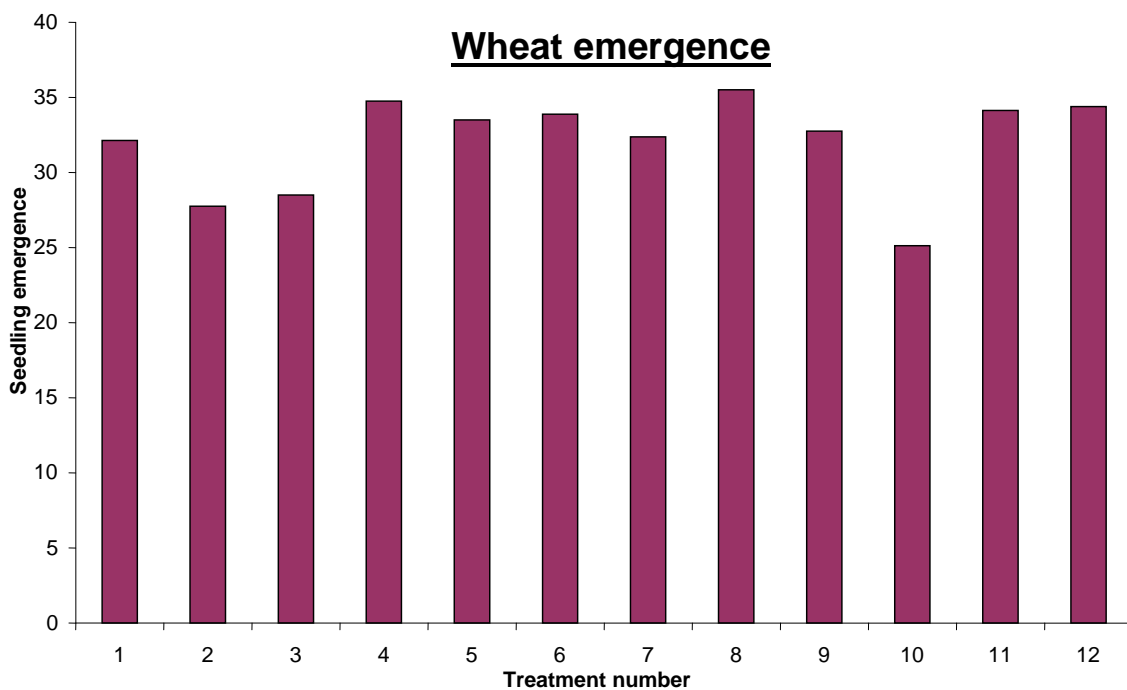
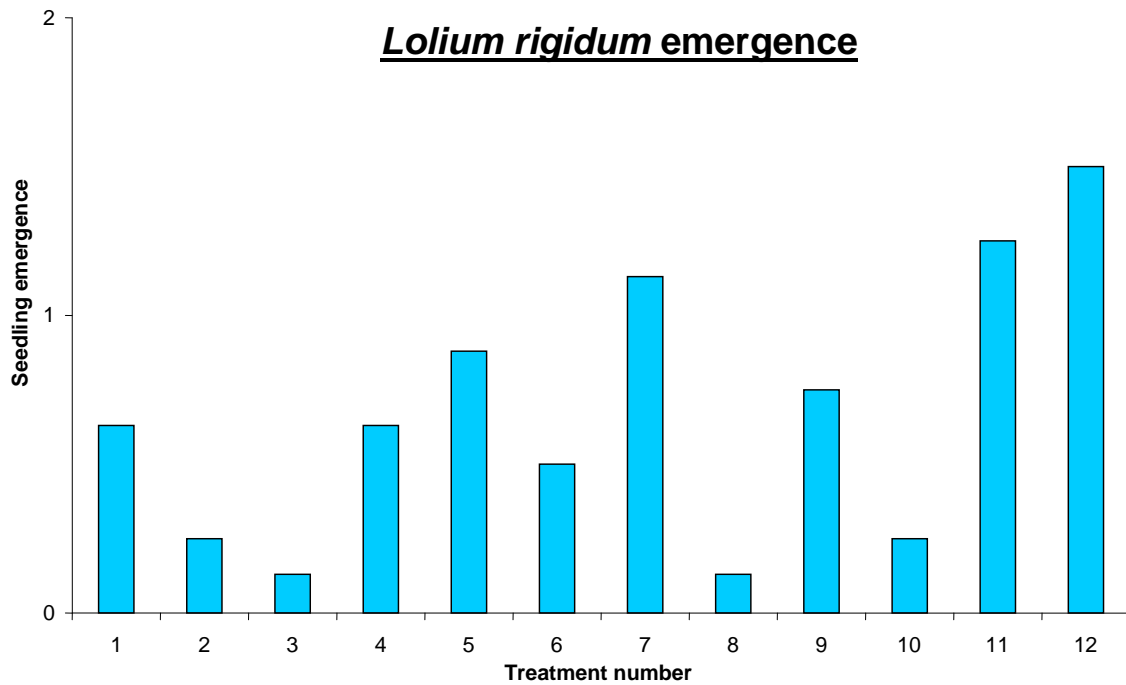


3	6	2	10	1	8	5	7	11	9	4	12
2	4	3	6	9	5	7	10	8	12	11	1
10	3	11	2	6	1	8	7	12	5	9	4
1	2	3	4	5	6	7	8	9	10	11	12

Fenceline

RESULTS

Assessment taken at 6 weeks after seeding (Wheat GS 7-14; *L. rigidum* GS 11-12)



No significant differences were detected between treatments for both wheat and *L. rigidum* seedling emergence.

COMMENTS

There was very limited emergence of *L. rigidum* seedlings within this trial, most likely due to lack of rainfall.

INVESTIGATE OPTIMUM NITROGEN TIMING FOR YIELD AND QUALITY OF WHEAT AND BARLEY

Erin Cahill and Dr Stephen Loss, CSBP.



BACKGROUND:

Until recently, most nitrogen was applied to crops as urea close to sowing. However, N-use efficiencies in WA are typically poor, mainly due to leaching of nitrate from our sandy soils during autumn and winter. CSBP and other trials have shown banding urea or Flexi-N can improve the efficiency of N uptake compared to topdressed applications. On average over 22 trials from 2000-2004 the N-use efficiency was increased by 4-8% when Flexi-N was banded on 22cm row spacings. Flexi-N is less toxic when placed close to the seed than urea, and has the added flexibility to act as a carrier for in-furrow fungicides and/or trace elements. The potential for N leaching can be reduced by applying several small applications as the season progresses rather than one large application at sowing, especially in wet seasons where yield potentials are high. Splitting N applications also allows the grower to re-assess the crop's yield potential and likely N demand during the year, thereby exploiting conditions in favourable seasons and saving costs on N in poor seasons. This trial looks at optimum timings for N applications in wheat and barley.

SOIL ANALYSIS	Description	pH	Salt	OC	N(Nit)	N(Amm)	P	Fe	K	S
0-10cm	Light brown loamy sand	4.7	0.056	0.52	11	3	16	327	68	3.2
10-20cm	Light brown loamy sand	4.4	0.022	0.38	2	1	7	676	34	4.6
20-30cm	Brown yellow loamy sand	4.5	0.029	0.24	2	1	2	620	29	12.5

	Ex Ca	Ex Mg	Ex K	Ex Na	Ex Al	ECEC	Cu	Zn	Al	PRI
0-10cm	1.53	0.37	0.2	0.14	0.12	2.4	0.32	0.38	0.3	3.9
10-20cm	0.94	0.19	0.1	0.06	0.21	1.5	0.28	0.11	4	7.8
20-30cm	0.98	0.21	0.09	0.06	0.24	1.6	0.14	0.04	2.2	20.1

	Variety	TREATMENT	5-6 WAS	Flag Leaf	Total*
		S BANDED	L/ha	L/ha	kg/ha
		L/ha			N P K
1	Wyalkatchem	-	-	-	14 16 16
2	Wyalkatchem	100 FN	-	-	56 16 16
3	Wyalkatchem	-	60 FN	-	39 16 16
4	Wyalkatchem	100 FN	-	50 FN	77 16 16
5	Wyalkatchem	-	60 FN	50 FN	60 16 16
6	Wyalkatchem	100 FN	60 FN	-	81 16 16
7	Wyalkatchem	100 FN	60 FN	50 FN	102 16 16
8	Baudin	-	-	-	14 16 16
9	Baudin	100 FN	-	-	56 16 16
10	Baudin	-	60 FN	-	39 16 16
11	Baudin	100 FN	-	50 FN	77 16 16
12	Baudin	-	60 FN	50 FN	60 16 16
13	Baudin	100 FN	60 FN	-	81 16 16
14	Baudin	100 FN	60 FN	50 FN	102 16 16

* Basal 140 MacroPro Extra + Impact on all plots

MANAGEMENT & OBSERVATIONS

- 31 May Wheat site sprayed with 1.8L Treflan, 2.0L Sprayseed & 35g Logran, and sowed 100kg Wyalkatchem + Jockey. Barley site sprayed with 2 L Treflan 2.0L Sprayseed & 135g Lexone, and sown with 80kg Baudin. Hydraulic problem on barley plot 10 - reseeded at end of trial. Both cereals sown to a depth of 2cms with the Conserva Pac. Large capeweed, some smaller doublegee, ryegrass and melons present. PSPE 100mls Talstar + 300mls Imidan. May have been hydraulic problems on other barley plots (not noted) so two extra plots sown on end (DB/AF/CT)
- 13 Jul Establishment is OK in both sites but plants are struggling under very dry conditions. N site is at about 1.5 leaf. P site barely 1 leaf. (RG)
- 18 Jul No change since last week – plants pretty dismal. Can pick a small response to P application, but no real N response. Noted some small to medium capeweed and small radish. Not worth spraying until we get more rain. (SL, JB).
- 17 Aug Plants are stressed and not much better than 3 leaf (only about 5 cm high). **Sprayed on the 6 WAS treatments at reduced rate of 60 L/ha** . Not much potential for more N. 3rd replicate in the P demo hasn't germinated and plants look worse than the N site. (RG)

LIQUID PHOSPHORUS DEMONSTRATION

Erin Cahill and Dr Stephen Loss, CSBP



BACKGROUND:

To profile two new liquid phosphorus products (Agstream Max and Macrostream) alongside their comparable granular products.

SOIL ANALYSIS	Description	pH	Salt	OC	N(Nit)	N(Amm)	P	Fe	K	S
0-10cm	Dark brown loamy sand	5.5	0.075	1.06	18	4	26	8	366	4.6
10-20cm	Brown clay	6.1	0.05	0.87	1	1	277	288	381	3.3

	Ex Ca	Ex Mg	Ex K	Ex Na	Ex Al	ECEC	Cu	Zn	Al	PRI
0-10cm	3.83	2.16	0.94	0.24	-	7.2	0.91	0.52	-	10.2
10-20cm	6.44	5.66	0.95	0.26	-	13.3	0.8	0.36	-	29.5

	TREATMENTS	BANDED	TD 5-6WAS	TD 8 WAS*	kg/ha			
	Banded kg or L/ha	kg/ha	kg/ha	kg/ha	N	P	K	S
1	Nil P	65 Urea	100 Flexi-N	50 Flexi-N	93	0	0	0
2	57 Agstar	47 Urea	100 Flexi-N	50 Flexi-N	93	8	0	5
3	50 AgStream Max	50 Urea	100 Flexi-N	50 Flexi-N	93	8	0	4
4	71 MacroPro Extra	50 Urea	100 Flexi-N	50 Flexi-N	93	8	10	7
5	73 MacroStream	54 Urea	100 Flexi-N	50 Flexi-N	93	8	10	7
6	114 Agstar	30 Urea	100 Flexi-N	50 Flexi-N	93	16	0	11
7	100 AgStream Max	34 Urea	100 Flexi-N	50 Flexi-N	93	16	0	8
8	143 MacroPro Extra	35 Urea	100 Flexi-N	50 Flexi-N	93	16	16	14
9	145 MacroStream	42 Urea	100 Flexi-N	50 Flexi-N	93	16	16	13

* top up will depend upon rainfall and yield potential

Chemicals as for other site. Sow 100 kg/ha Wyalkatchem

MANAGEMENT & OBSERVATIONS

31 May Sprayed 1.8 L Treflan, 2L Sprayseed & 35g Logran and sowed 100kg Wyalkatchem + Jockey into marginal moisture with Conserva Pak. Treatment 7 had banding hose off on the middle tyne (row 5) - reseeded on ends. All liquids applied neat. PSPE 100mL Talstar and 300mL Imidan. (DB/AF/CT)

WHEAT PRACTICE FOR PROFIT

Darren Chitty, Agronomist, Agritech Crop Research



BACKGROUND

Agritech Crop Research conducted this trial on behalf of the Liebe Group in order to determine the profitability of four levels of crop management inputs. These levels of input were applied to 4 wheat varieties Arrino, Calingiri, Wyalkatchem and Bonnie Rock.

- **Low** input treatments are based on a farmer delivering grain to the bin at the lowest possible cost, regardless of seasonal conditions.
- **District** average inputs are based on what is thought to be common grower practice in the Liebe Group area.
- **High** input treatments simulate a paddock with high yield potential matched with increased management inputs to maximise yields and profitability.
- **Active** inputs are dependent on seasonal conditions and are determined by the Liebe R&D Committee.

The trial is intended to run over 10 seasons, with this being the 6th year.

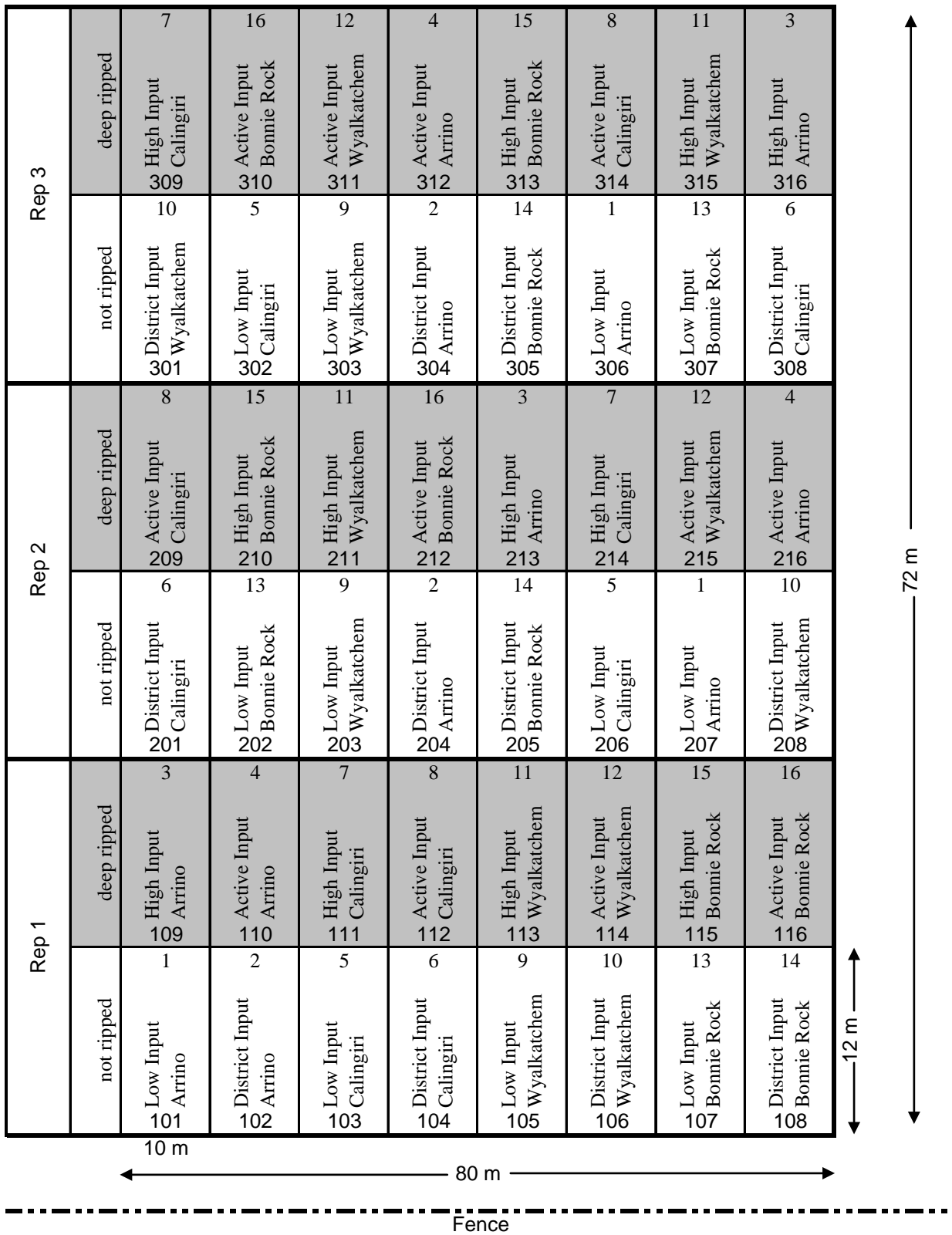
TRIAL DETAILS

Plot size & replication 12 x 10m, 3 reps

Sowing date 27/5/06

TREATMENT LAYOUT

Input	No's.	Variety	Treatment	Rate	Timing	Appl Date
LOW	1	Arrino	Seed	50 kg/ha	Sowing	27/05/2006
	5	Calingiri	Trifluralin	1.2 L/ha	IBS	27/05/2006
	9	Wyalkatchem	DAP	50 kg/ha	sidebanded	27/05/2006
	13	Bonnie Rock	Diuron	350 mL/ha	Z13-Z15	28/07/2006
			LVE MCPA	400 mL/ha	Z13-Z15	28/07/2006
DISTRICT	2	Arrino	Seed	70 kg/ha	Sowing	27/05/2006
	6	Calingiri	Premis	100 ml/100 kg	with seed	27/05/2006
	10	Wyalkatchem	Trifluralin	1.5 L/ha	IBS	27/05/2006
			Logran	35 g/ha	IBS	27/05/2006
	14	Bonnie Rock	Agstar	100 kg/ha	sidebanded	27/05/2006
			Urea	50 kg/ha	IBS	27/05/2006
			2,4-D Amine	1 L/ha	Post Em	28/07/2006
HIGH	3	Arrino	Deep ripped			
	7	Calingiri	Seed	100 kg/ha	Sowing	27/05/2006
	11	Wyalkatchem	Real	150 ml/100 kg	with seed	27/05/2006
			Trifluralin	1.5 L/ha	IBS	27/05/2006
	15	Bonnie Rock	Logran	35 g/ha	IBS	27/05/2006
			Agstar	140 kg/ha	Sideband	27/05/2006
			Urea	80 kg/ha	IBS	27/05/2006
			Giant	600 mL/ha	Z13	28/07/2006
MOP			80 kg/ha	Z12	28/07/2006	
ACTIVE	4	Arrino	Deep ripped			
	8	Calingiri	Seed	70 kg/ha	Sowing	27/05/2006
	12	Wyalkatchem	Trifluralin	1.5 L/ha	IBS	27/05/2006
			Agstar (5.75 units P)	42.3 kg/ha	Sideband	27/05/2006
	16	Bonnie Rock	LVE MCPA	1.2 L/ha	Z13	28/07/2006



RESULTS

ANALYSIS OF VARIANCE FOR CROP VIGOUR (1-9) AND WEED CONTROL (1-9) 6 SEPT. 2006 102 DAS

No.	Input	Variety	Crop Vigour	Weed Control
1	Low	Arrino	4.7 g	8.0 a
2	District	Arrino	5.7 def	8.0 a
3	High	Arrino	7.7 a	8.0 a
4	Active	Arrino	6.7 bc	8.0 a
5	Low	Calingiri	5.3 efg	8.0 a
6	District	Calingiri	6.7 bc	8.0 a
7	High	Calingiri	7.0 ab	8.0 a
8	Active	Calingiri	6.3 bcd	8.0 a
9	Low	Wyalkatchem	5.0 fg	8.0 a
10	District	Wyalkatchem	5.0 fg	8.0 a
11	High	Wyalkatchem	6.3 bcd	8.0 a
12	Active	Wyalkatchem	6.3 bcd	8.0 a
13	Low	Bonnie Rock	5.0 fg	8.0 a
14	District	Bonnie Rock	5.0 fg	8.0 a
15	High	Bonnie Rock	6.7 bc	8.0 a
16	Active	Bonnie Rock	6.0 cde	8.0 a
LSD (P=.05)			1.0	0.0
CV			9.9	0.0
Replicate F			0.238	0.000
Replicate Prob(F)			0.790	1.000
Treatment F			6.714	0.000
Treatment Prob(F)			0.000	1.000

Means followed by same letter do not significantly differ (P=.05, LSD)

WHEAT NATIONAL VARIETY TESTING

Darren Chitty, Agronomist, Agritech Crop Research



BACKGROUND

The Grains Research and Development Corporation (GRDC) have initiated a change from the traditional crop evaluation system. Previously the trials were conducted on a state by state basis and were mostly an adjunct to the state's breeding efforts. The NVT is a national system that is inclusive for all potential new varieties of crops, regardless of the public or private company responsible for the breeding and release of the variety.

The NVT is of direct benefit to growers, with all costs of the NVT system in all states borne by GRDC, the exception being in Western Australia where a partnership arrangement exists between the GRDC and the Department of Agriculture for the provision of pulse and coarse grains testing.

Acceptance of entries into NVT trials is conditional that the crop varieties under evaluation are very close to release or are currently available to growers. Crop varieties submitted for evaluation in the NVT will have already been evaluated by the respective breeding companies in those regions targeted.

TRIAL DETAILS

Plot size & replication	1.76 x 12m, 3 reps
Sowing date	19/5/2006
Fertilisers/timing	110 kg/ha Maxam IBS 17/5/06 and 100 kg/ha MAPSCZ Plus banded 19/5/06
Herbicides/timing	17/5/06: 1 L/ha Chlorpyrifos, 2 L/ha Roundup Powermax, 300 mL/ha Ester, 1.7 L/ha Trifluralin 20/7/06: 1.5 L/ha Buctril MA, 300 mL/ha Lontrel

VARIETIES

AGT Scythe	Australian Grains Technologies
Annuello	Dept of Primary Industries VIC
Arrino	Dept of Agriculture WA
Binnu (WAWHT2734)	Dept of Agriculture WA
Bullaring	Dept of Agriculture WA
C643	Enterprise Grains Australia 2
C718	Enterprise Grains Australia 2
Calingiri	Dept of Agriculture WA
Carinya	SunPrime Seeds
Carnamah	Dept of Agriculture WA
Datatine	Dept of Agriculture WA
EGA Blanco	Enterprise Grains Australia
EGA Castle Rock	Enterprise Grains Australia
EGA Eagle Rock	Enterprise Grains Australia
EGA Gregory	Enterprise Grains Australia
EGA Wentworth	Enterprise Grains Australia
GBA Ruby	Grain Bio-tech Australia Pty Ltd
GBA Sapphire	Grain Bio-tech Australia Pty Ltd
GBA03.09.AH	Grain Bio-tech Australia Pty Ltd
GBA03.09.AS	Grain Bio-tech Australia Pty Ltd
GBA03.09.CS	Grain Bio-tech Australia Pty Ltd
GBA0311.26	Grain Bio-tech Australia Pty Ltd
GBA0311.29	Grain Bio-tech Australia Pty Ltd
Janz	Dept of Primary Industries QLD
LPB0056	LongReach Plant Breeders Pty Ltd
LPB03-1617	LongReach Plant Breeders Pty Ltd
LPB03-1688	LongReach Plant Breeders Pty Ltd

LPB0617	LongReach Plant Breeders Pty Ltd
LPB1213	LongReach Plant Breeders Pty Ltd
LPB1302	LongReach Plant Breeders Pty Ltd
NGSP005	Nugrain
NGSP006	Nugrain
NGSP010	Nugrain
NGSP024	Nugrain
NGSP091	Nugrain
PACW4002	Pacific Seeds
RAC1262	Australian Grains Technologies
Reeves	Dept of Agriculture WA
Spear	SA Research and Development Inst
TMB1806F	Enterprise Grains Australia 2
VO2697R	Australian Grains Technologies
VR1128	Australian Grains Technologies
WAWHT2248	Dept of Agriculture WA
WAWHT2713	Dept of Agriculture WA
WAWHT2726	Dept of Agriculture WA
WAWHT2727	Dept of Agriculture WA
WAWHT2730	Dept of Agriculture WA
WAWHT2740	Dept of Agriculture WA
WAWHT2750	Dept of Agriculture WA
WAWHT2773	Dept of Agriculture WA
WAWHT2782	Dept of Agriculture WA
WAWHT2784	Dept of Agriculture WA
WAWHT2793	Dept of Agriculture WA
WAWHT2821	Dept of Agriculture WA
WAWHT2822	Dept of Agriculture WA
WAWHT2831	Dept of Agriculture WA
WAWHT2833	Dept of Agriculture WA
WAWHT2836	Dept of Agriculture WA
WAWHT2838	Dept of Agriculture WA
WAWHT2842	Dept of Agriculture WA
WAWHT2847	Dept of Agriculture WA
Westonia	Dept of Agriculture WA
WI23322	Australian Grains Technologies
Wyalkatchem	Dept of Agriculture WA
Yitpi	SA Research and Development Inst
Young	Australian Grains Technologies



72m

Fence

	Range 1	Range 2	Range 3	Range 4	Range 5	Range 6
	Buffer					
Row 1	GBA0311.29	RAC1262	EGA Wentworth	Westonia	GBA03.09.AS	LPB03-1617
Row 2	Annuello	GBA0311.26	WAWHT2727	WAWHT2773	GBA Sapphire	NGSP091
Row 3	GBA03.09.CS	Arrino	LPB03-1688	WAWHT2713	WAWHT2842	WAWHT2248
Row 4	EGA Castle Rock	WAWHT2726	VO2697R	Bullaring	NGSP024	Young
Row 5	WAWHT2740	Spear	LPB0617	WAWHT2836	Janz	EGA Blanco
Row 6	AGT Scythe	WAWHT2822	WAWHT2831	LPB1213	PACW4002	WAWHT2847
Row 7	Datatine	NGSP005	EGA Gregory	WAWHT2730	LPB1302	WI23322
Row 8	WAWHT2833	VR1128	WAWHT2784	WAWHT2821	WAWHT2750	WAWHT2838
Row 9	WAWHT2793	WAWHT2734	NGSP010	Carnamah	LPB0056	GBA03.09.AH
Row 10	WAWHT2782	Calingiri	Wyalkatchem	EGA Eagle Rock	C718	GBA Ruby
Row 11	C643	Reeves	Yitpi	NGSP006	TMB1806F	Carinya
Row 12	Yitpi	LPB03-1617	Janz	WAWHT2847	WAWHT2726	WAWHT2727
Row 13	Young	LPB03-1688	WAWHT2838	GBA03.09.AS	Annuello	Bullaring
Row 14	EGA Wentworth	GBA Sapphire	GBA0311.29	WAWHT2782	Spear	Datatine
Row 15	PACW4002	WAWHT2821	C718	GBA03.09.CS	WAWHT2793	RAC1262
Row 16	WI23322	GBA03.09.AH	NGSP091	WAWHT2750	Reeves	WAWHT2713
Row 17	LPB0056	WAWHT2836	EGA Castle Rock	C643	Arrino	Calingiri
Row 18	LPB0617	Carinya	NGSP024	WAWHT2734	WAWHT2784	LPB1213
Row 19	WAWHT2730	WAWHT2831	WAWHT2248	WAWHT2740	WAWHT2773	NGSP010
Row 20	EGA Eagle Rock	LPB1302	TMB1806F	NGSP005	Carnamah	Westonia
Row 21	VO2697R	NGSP006	WAWHT2822	WAWHT2833	EGA Gregory	GBA0311.26
Row 22	WAWHT2842	GBA Ruby	EGA Blanco	AGT Scythe	VR1128	Wyalkatchem
Row 23	TMB1806F	NGSP010	RAC1262	GBA Ruby	EGA Castle Rock	WAWHT2833
Row 24	WAWHT2727	C718	GBA03.09.AH	WAWHT2793	AGT Scythe	LPB0617
Row 25	Westonia	WAWHT2750	WAWHT2842	Annuello	WAWHT2730	NGSP005
Row 26	EGA Gregory	EGA Blanco	PACW4002	Datatine	WAWHT2734	Yitpi
Row 27	WAWHT2847	Bullaring	Spear	Arrino	EGA Wentworth	WAWHT2821
Row 28	WAWHT2713	Janz	Young	GBA Sapphire	NGSP006	WAWHT2782
Row 29	NGSP024	WAWHT2773	Calingiri	WI23322	GBA03.09.CS	WAWHT2836
Row 30	NGSP091	GBA03.09.AS	LPB0056	Carinya	WAWHT2822	EGA Eagle Rock
Row 31	Carnamah	Wyalkatchem	Reeves	WAWHT2726	GBA0311.29	WAWHT2831
Row 32	LPB1213	WAWHT2248	GBA0311.26	VR1128	LPB03-1688	C643
Row 33	WAWHT2838	WAWHT2784	LPB1302	LPB03-1617	WAWHT2740	VO2697R
	Buffer					

Rep 1

Rep 2

Rep 3

CANOLA NATIONAL VARIETY TESTING

Darren Chitty, Agronomist, Agritech Crop Research



BACKGROUND

The Grains Research and Development Corporation (GRDC) have initiated a change from the traditional crop evaluation system. Previously the trials were conducted on a state by state basis and were mostly an adjunct to the state's breeding efforts. The NVT is a national system that is inclusive for all potential new varieties of crops, regardless of the public or private company responsible for the breeding and release of the variety.

The NVT is of direct benefit to growers, with all costs of the NVT system in all states borne by GRDC, the exception being in Western Australia where a partnership arrangement exists between the GRDC and the Department of Agriculture for the provision of pulse and course grains testing.

Acceptance of entries into NVT trials is conditional that the crop varieties under evaluation are very close to release or are currently available to growers. Crop varieties submitted for evaluation in the NVT will have already been evaluated by the respective breeding companies in those regions targeted.

TRIAL DETAILS

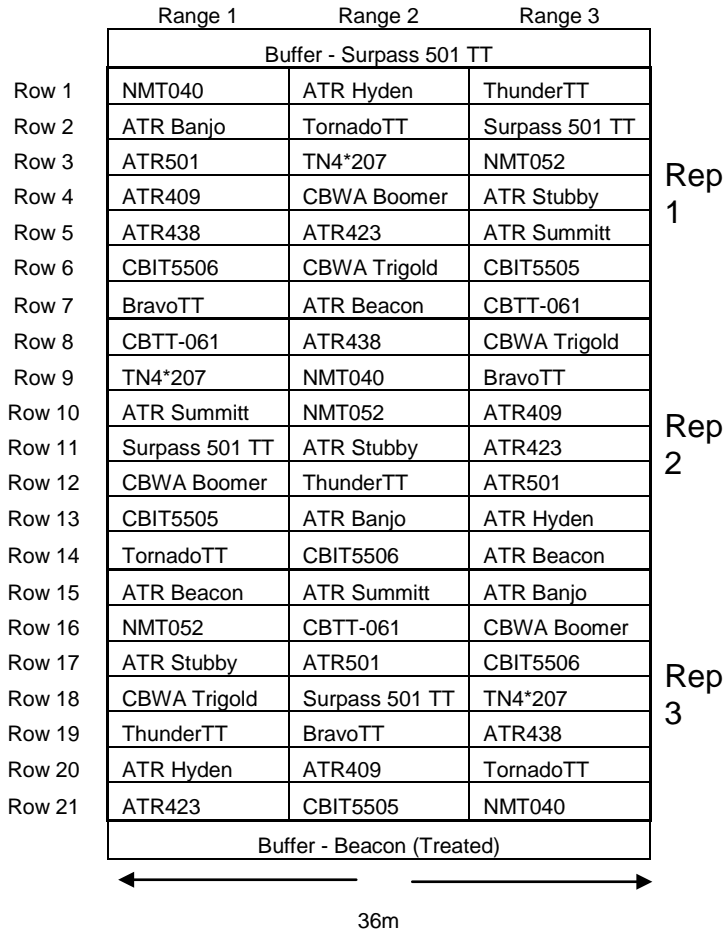
Plot size & replication	1.76 x 12m, 3 reps
Sowing date	17/5/2006
Fertilisers/timing	150 kg/ha Maxam IBS 17/5/06, 100 kg/ha MAPSCZ Plus banded 19/5/06, 150 kg/ha Maxam Topdressed 17/5/06
Herbicides/timing	17/5/06: 1 L/ha Chlorpyrifos, 2 L/ha Roundup Powermax, 2 L/ha Atrazine, 1.7 L/ha Trifluralin 3/7/06: 2 L/ha Atrazine, 375 mL/ha Targa, 2 L/ha Chlorpyrifos, 27/7/06: 250 mL/ha Select, 1% v/v Hasten, 400 mL/ha Fastac Due

VARIETIES

ATR Banjo	AG-Seed Research Pty Ltd
ATR Beacon	AG-Seed Research Pty Ltd
ATR Stubby	AG-Seed Research Pty Ltd
ATR Summitt	AG-Seed Research Pty Ltd
ATR409	AG-Seed Research Pty Ltd
ATR423	AG-Seed Research Pty Ltd
ATR438	AG-Seed Research Pty Ltd
ATR501	AG-Seed Research Pty Ltd
BravoTT	Canola Alliance
CBIT5505	Canola Breeders International Ltd
CBIT5506	Canola Breeders International Ltd
CBTT-061	Canola Breeders Western Australia Pty Ltd
CBWA Boomer	Canola Breeders Western Australia Pty Ltd
CBWA Trigold	Canola Breeders Western Australia Pty Ltd
ATR Hyden	AG-Seed Research Pty Ltd
NMT040	Nutrihealth
NMT052	Nutrihealth
Surpass 501 TT	Pacific Seeds
ThunderTT	Pacific Seeds
TN4*207	AG-Seed Research Pty Ltd
TornadoTT	Pacific Seeds

TRIAL DESIGN

←N



ALTERNATIVE WEED CONTROL IN LUPINS

Martin Harries, Grain Legume Research Officer, DAWFA Geraldton



Department of Agriculture and Food
Government of Western Australia



BACKGROUND

Weed control in lupins is often poorer than desired. With the continued cost price squeeze alternative methods for weed management in lupins are required. In this trial a few methods were used. Dry vs delayed sowing to obtain a good weed knockdown. For each time of sowing some plots were to be shield sprayed or conventionally sprayed.

Why was the trial conducted?

We have little information on the trade off in yield due to the delaying of sowing as apposed to the improved yield that might occur because of better weed control with wet sown crops. Also if we can refine shielded spraying techniques it may be possible to continue dry sowing and obtain cheap reliable weed control.

TRIAL DETAILS

Plot size & replication	20 x 2m plots. Four replications
Soil type	Sand grading to clay at depth
Sowing dates	28/4/06 (Dry),
Seeding rate	100 kg/ha, Mandelup
Fertilisers/timing	80 kg/ha super deep banded at seeding
Herbicides/timing	Knockdown and Simazine immediately before each time of sowing. Roundup between shield sprayed wide rows.

TREATMENT LAYOUT (BLOCK 1)

Plot	Sowing time	Weed management
1	10-14 days after the break	Buffer 25cm
2	10-14 days after the break	25 cm rows conventional post-em control
3	10-14 days after the break	50 cm rows conventional post-em control
4	10-14 days after the break	50 cm rows shielded spraying
5	10-14 days after the break	Buffer 50 cm
6	Dry	Buffer 25 cm
7	Dry	50 cm rows shielded spraying
8	Dry	25 cm rows conventional post-em control
9	Dry	50 cm rows conventional post-em control
10	Dry	Buffer 50 cm
11	On the break (2-4 days)	Buffer 25 cm
12	On the break (2-4 days)	50 cm rows shielded spraying
13	On the break (2-4 days)	25 cm rows conventional post-em control
14	On the break (2-4 days)	50 cm rows conventional post-em control
15	On the break (2-4 days)	Buffer 50 cm

COMMENTS

The different times of sowing do have different levels of weeds in the plots. This demonstrates that wet sowing will result in better weed control and less pressure on selective herbicides.

It will not be possible to make an assessment of the impact of this delay in sowing on yield due to the season.

PRODUCTIVE PASTURES IN THE WHEATBELT

David Scholz, Agronomist Elders Dalwallinu and Kalannie



BACKGROUND

This trial was set up to provide a demonstration of the range of options available compared to current practices. In a dry year such as this, one or two paddocks of improved pasture can provide extra feed and be the difference between retaining or selling stock. Improved pastures also provide rotational benefits such as increasing soil nitrogen, improving soil organic matter and providing options for spray topping. Elders have released ready made pasture mixes (eg. Grazamax, included in this trial) and this is being compared to “make your own” mixes and oats, grasses or legumes by themselves. The use of the granular inoculant, Alosca, is also being demonstrated.

TRIAL DETAILS

Plot size & replication	Demo strips with two reps of each treatment x 20m, Alosca demo on the East end.
Soil type	Loamy sand
Sowing date	29/5/06
Seeding rate	Various
Fertilisers/timing	All plots received 80 kg/ha Agstar deepbanded or PSPE (Alosca demo)
Herbicides/timing	Roundup Powermax 1.2 L/ha + 25 mL/ha Hammer
Insecticides/timing	1.5 L/ha Chorpyrifos

TREATMENT LAYOUT

Ian Syme, Liebe MTS 2006

Plot 1	Oat buffer					Plot 6	Oat buffer					Plot 11	Oat buffer														
2	Prima gland clover 7kg/ha with no Alosca	3	Prima gland clover 7kg/ha with Alosca	4	Casbah 10kg/ha with no Alosca	5	Casbah 10kg/ha with Alosca	7	Legume Alosca inoculated (Cadiz, Dalkeith, Balansa, Casbah)	8	Legume Alosca inoculated (Cadiz, Dalkeith, Balansa, Casbah)	9	Legume NOT inoculated (Cadiz, Dalkeith, Balansa, Casbah)	10	Legume NOT inoculated (Cadiz, Dalkeith, Balansa, Casbah)	12	Grazamax (Elders ready made mix)	13	Grazamax (Elders ready made mix)	14	Tetilla, Dalkeith & Cadiz	15	Tetilla, Dalkeith & Cadiz	16	Grasspea, oats	17	Grasspea, oats
18	Grazing oats, Tetila & legumes (Cadiz, Dalkeith, Balansa, Casbah)	19	Grazing oats, Tetila & legumes (Cadiz, Dalkeith, Balansa, Casbah)	20	McGregor mix (oats, lupins, barley)	21	McGregor mix (oats, lupins, barley)	22	Wylah grazing wheat	23	Wylah grazing wheat	24	Grazing oats	25	Grazing oats	26	Pallinup oats (farmer practice)	27	Pallinup oats (farmer practice)	28	Tetila tetraploid ryegrass	29	Tetila tetraploid ryegrass	30	Seeded Native Wimmera (farmer practice, no Agstar at seeding)	31	Seeded Native Wimmera (farmer practice, no Agstar at seeding)
Legumes					Legumes					Mixes					Cereals & Grasses												

COMMENTS

The trial was seeded just after a 5mm rainfall event. This was not enough for germination and the next rain was not until towards the end of June. Had it been before the 5mm it may have been a different story. The site was also variable across the workings with some hardpan evident and some patches did germinate before others. The oats had the best germination in the dry conditions. This trial is in stark contrast to the astounding production we got last year at Hyde's.

Most notable is the difference between the native Wimmera ryegrass and the Tetila tetraploid ryegrass. The cereal and grass production is also superior to the legumes at this stage.

ANNUAL R&D SURVEY

What are the major problems on your farm?

What sort of workshops or training courses would you like the Liebe Group to run next year?

Are you interested in certain concepts/products/practices that you would like to test on farm with the assistance of Liebe Group staff?

Spring Field Day feedback?

Would you like to join the team?

TRIALS AND DEMONSTRATIONS IN THE LIEBE AREA 2006

FARMER	LOCATION	TYPE	TITLE	COMPANY	CONTACT
WHEAT					
Ian Syme	MTS Buntine	Trial	Wheat varieties x TOS	DAFWA	Christine Zaicou-Kunesch
Ian Syme	MTS Buntine	Trial	AWB Varieties x N application on fallow	AWB Landmark	Ty Henning
Ian Syme	MTS Buntine	Trial	AWB Varieties x N application on 3 yrs wheat	AWB Landmark	Ty Henning
Ian Syme	MTS Buntine	Trial	Wheat NVT	Agritech	Darren Chitty
Ian Syme	MTS Buntine	Trial	Wheat Practice for Profit	Agritech Liebe Group	Darren Chitty
Ian Syme	MTS Buntine	Trial	Root growth in hardpan vs non hardpan	UWA	Tina Acuna Len Wade
Ian Syme	MTS Buntine	Trial	Pre-emergent herbicide	Syngenta	Simon Kerin Pippa Michael
Gary Butcher	Pithara	Trial	Wheat NVT	Agritech	Darren Chitty
Peter Bryant	Maya East	Trial	Wheat NVT	Agritech	Darren Chitty
Neil Pearse	Miling	Trial	Wheat NVT	Agritech	Darren Chitty
Steve Bryant	Buntine West	Trial	S4 Yield Evaluation Trial	LongReach	Matu Peipi
BARLEY					
Ian Syme	MTS Buntine	Trial	Barley Practice for Profit	Agritech Liebe Group	Darren Chitty
Tony White	Miling	Demonstration	Disease management	Liebe Group	Jade Bagley
LUPINS					
Ian Syme	MTS Buntine	Trial	TOS x weed management	DAFWA	Martin Harries
Ian Syme	Buntine	Demonstration	Lupins w/o ALOSCA	Liebe Group	Jade Bagley
Paul and Daniel Bryant	Buntine West	Demonstration	Herbicide tolerance of lupins	Liebe Group	Jade Bagley
Bob Nixon	Kalannie	Trial	Lupin Stage 4	DAFWA WHRS	Jenny Garlinge Chris Matthews
Bruce White	Carnamah	Trial	CVT lupin	GRS	Steve Cosh
CANOLA					
Ian Syme	MTS Buntine	Trial	Canola NVT	Agritech	Darren Chitty
Ian Syme	MTS Buntine	Trial	Seed dressing	CBWA	Milton Sanders
Rod Birch	Coorow	Demonstration	Canola varieties	CBWA & Liebe Group	Milton Sanders & Jade Bagley
Mike Dodd	Buntine	Trial	Breeder trial	CBWA	Milton Sanders
PASTURE					
Ian Syme	MTS Buntine	Trial	Pasture growth vs variety	Elders Liebe Group	Dave Scholz
Doug Cail	Kalannie	Demonstration	Pastures on acidic soils	Liebe Group	Jade Bagley
Ross Fitzsimons	Buntine	Trial	Perennial Grass	DAFWA + Grain and Graze	Geoff Moore
Stuart McAlpine	LTRS	Trial	Native perennial legume, <i>Cullen</i>	CRC for Plant Based Management of Dryland Salinity	Richard Bennett
Ross Fitzsimons	Buntine West	Trial	Perennial Grass	DAFWA + Grain and Graze	Geoff Moore

PULSES					
Rob Nankivell	Maya East	Demonstration	Field pea varieties	Liebe Group	Jade Bagley
Rob Nankivell	Wubin West	Demonstration	Chickpea varieties	Liebe Group	Jade Bagley
Bruce White	Carnamah	Trial	CVT chickpea	GRS	Steve Cosh
LIVESTOCK					
Gary Butcher	Pithara	Demonstration	Livestock grazing records	Liebe Group	Brianna Peake
Colin McGregor	Maya East	Demonstration	Livestock grazing records	Liebe Group	Brianna Peake
Tony White	Miling	Demonstration	Livestock grazing records	Liebe Group	Brianna Peake
Ross Fitzsimons	Buntine	Demonstration	Livestock grazing records	Liebe Group	Brianna Peake
Keith Carter	Wubin East	Demonstration	Livestock grazing records	Liebe Group	Brianna Peake
FERTILISER					
Ian Syme	MTS Buntine	Trial	Tactical N	CSBP	Erin Cahill
Ian Syme	MTS Buntine	Demo	Liquid versus granular P	CSBP	Erin Cahill
Anton Wilson	Wubin	Demonstration	Black Urea vs	Liebe Group	Jade Bagley
Rowan McCreery	Kalannie	Trial	Fertiliser placement	Summit	Andrew Donkin
SOIL HEALTH					
Stuart McAlpine	LTRS Buntine	Trial	Biology trial – Soil Health Project	Liebe Group	Emma Glasfurd
Grant Hudson	Goodlands	Demonstration	Skip row Vs conventional seeding	Liebe Group	Emma Glasfurd
Grant Hudson	Goodlands	Demonstration	Incorporated Lime Vs no incorporation.	Liebe Group	Emma Glasfurd
Rowan McCreery	Kalannie	Demonstration	Lime Vs Gypsum/Dolomite	Liebe Group	Emma Glasfurd
Brian McAlpine	Buntine	Demonstration	Deep ripping and Deep Banding Lime	Liebe Group	Emma Glasfurd
Stuart McAlpine	LTRS Buntine	Trial	Inter-row deep ripping	DAFWA Liebe Group	Paul Blackwell
Stuart McAlpine	LTRS Buntine	Trial	Rotation trial	CSIRO	Kelley Whisson
Ian Bowman	Carnamah	Demonstration	Long term liming trial	Liebe Group DAFWA	Emma Glasfurd
Peter and Colin Bryant	Latham	Demonstration	Deep ripping and deep placement of Lime	Liebe Group	Emma Glasfurd
Brian McCreery	Kalannie	Demonstration	Deep ripping Lime trial	Liebe Group	Emma Glasfurd
Colin McGregor	East Maya	Demonstration	Deep banding Lime	Liebe Group	Emma Glasfurd
Tony Mason	Perenjori	Demonstration	Deep ripping trial	Liebe Group	Emma Glasfurd
Paul Sutherland	Pithara	Demonstration	Deep ripping lime trial	Liebe Group	Emma Glasfurd
Gary Halliwell	Maya	Demonstration	Deep placement lime trial	Liebe Group	Emma Glasfurd
Stuart McAlpine	Buntine West	Demonstration	Limesand vs G-lime	Liebe Group	Jade Bagley
OTHER					
Peter Bryant	Maya	Demonstration	Yield Prophet and PYCAL	Liebe Group	Brianna Peake
Harry Hyde	Dalwallinu	Demonstration	Yield Prophet and PYCAL	Liebe Group	Brianna Peake
Gary Butcher	Pithara	Demonstration	Yield Prophet and PYCAL	Liebe Group	Brianna Peake
Ian Syme	Buntine	Demonstration	Yield Prophet and PYCAL	Liebe Group	Brianna Peake

Mike Dodd	Buntine West	Trial	Oil Mallee trial	CALM/DAFWA	Dan Huxtable
Brian McAlpine	Buntine	Demo	YP and variable rate fertiliser	CSIRO	Mike Robertson
Stuart McAlpine	Buntine	Demo	YP and variable rate fertiliser	CSIRO	Mike Robertson
Tony White	Miling	Demo	Saltland site with saltbush, saltwater couch, perennial grasses and Safeguard ryegrass	SGSL/Liebe	Brianna Peake
Keith Carter	East Wubin	Demo	Sub-tropical perennial grasses mixed with annual legumes. Saltbush inter-row	SGSL/Liebe	Brianna Peake
Bernie Driscoll	Ballidu	Demo	Saltland site with lucerne, saltbush, safeguard ryegrass	SGSL/Ballidu Woolpro	Brianna Peake
Keith Carter	Wubin	Demonstration	E/W compared to N/S sowing directions	Liebe Group	Emma Glasfurd

CALENDAR OF LIEBE EVENTS

DATE	<u>EVENT</u>	<u>PLACE</u>	<u>CONTACT</u>
16 th October	General Meeting	Liebe Group Office	Sophie Keogh 9664 2030
21 st October	Liebe Annual Dinner	Wheatlands Hotel Dalwallinu	Sophie Keogh 9664 2030
11 th December	General Meeting	Liebe Group Office	Sophie Keogh 9664 2030

COMING EVENTS FOR 2007

- Trials Review Day
- Annual General Meeting
- Crop Update
- Women's Field Day
- Spring Field Day
- South East Asia Tour
- Numerous Field Walks

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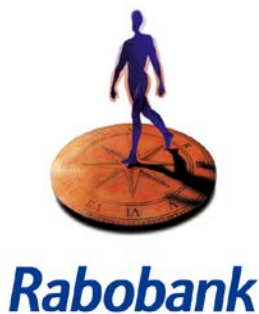
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