

MORE THAN A DECADE OF RESEARCH RESULTS FOR IFM

An RLF retrospective of Trial Data supporting Integrated Fertiliser Management



INTRODUCTION

A recent review of many published articles, video presentations and bulletins has highlighted the wealth of trial data and research results supporting RLF's integrated fertiliser management (IFM) approach for better crop and business outcomes.

In this **SPECIAL REPORT** we seek to bring together some of the important milestones that support RLF's belief in its fertilising 'mantra' of applying nutrients to soil, seed and leaf using an integrated fertiliser management program.

The traditional method of fertilising wheat in Australia, for instance, is to apply phosphorous in the form of MAP or DAP to the soil at sowing. However throughout this **SPECIAL REPORT** the evidence is presented against a soil-only approach to fertilising.

Rather it presents the evidence of a fully integrated approach to fertilising broadacre crops.

Similarly, trial data from China supports the evidence of RLF's integrated approach to fertilising for broadacre crops with compelling yield responses and returns of investment.

For so many reasons RLF's IFM approach works.

IFM is the modern farming future for crops of all types and sizes.

IFM has a role in marketplaces across the globe.

RLF is proud to be both the initiator of this technology and the developer of specialised products that secure these advantages for farmers and growers.

RLF is committed to the modern farming future of IFM.









In this **SPECIAL REPORT** you will find:

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Link and Listen to the IFM Message













A QUICK RECAP

What is IFM

The Framework

Integrated Fertiliser Management (IFM) is the term used to describe the process in which nutrient levels in soil, seed and leaf are managed synergistically to improve overall fertiliser performance and water use efficiency resulting in better crop quality and yield results.



This success depends on four basic functions:

- 1. Treating seeds with Seed Priming fertiliser to raise phosphorus and trace element levels to optimum or above optimum levels. This enables seedlings to set a higher yield potential, form greater root exploring ability and to better resist stress and disease.
- 2. Applying nutrient to soils usually as granular N-P-K at optimum, but not excessive levels. This is determined by fertiliser history, soil test and potential or expected yield.
- 3. Using Ultra Foliar fertiliser to provide up to 12 essential nutrients to the plant in the most effective way. This avoids 'hidden hunger' and future unseen yield losses. This can be achieved by using specially formulated Ultra Foliar fertilisers to extend the momentum of root efficient exploration and supply essential nutrient to the plant.
- 4. Not jeopardising these functions by soil applications in excess of crop demand, and by only applying moderate NPK input and stepwise nitrogen applications.



















The Goals

The goals of IFM are expressed as being:

- at the same financial cost (or even slightly less)
- better yield
- improved quality
- more financial return
- greater reliability





The Positive Impacts

Improvements and efficiencies such as:

- a reduction in the amount of granular fertiliser required
- more efficient water use
- increased plant strength and health
- assured crop quality and increased yield
- beneficial return of biomass to the soil

IFM is a powerful tool for the modern day farmer who wants to improve the potential of his crop today - and to protect the potential of his land for the future.

The Process

The following graphic shows how this process works.

It compares the 'OLD' method of fertilising with the 'NEW' in investment terms.

The improvements and efficiencies of IFM are clearly seen.

It describes the advantages of an IFM program.

It demonstrates the efficiencies.



















Basic Farmer Practice

Integrated Fertiliser Management











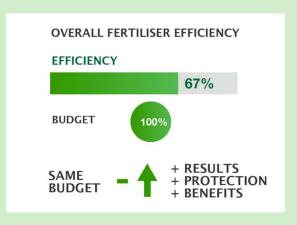






















What this chart so graphically demonstrates is :

- 1. 'OLD' practice will generally see 100% of the fertiliser budget used as NPK
- 2. 'OLD' practice typically sees no foliar applications, unless remediation of any known nutrient deficiency is required
- 3. supporting the success of IFM actually relies on the reduction of granular NPK use
- 4. the success of IFM through the combined (or integrated) use of BSN Seed Priming fertiliser, granular NPK and Ultra Foliar fertilisers shows better results and greater overall efficiencies
- 5. seed fertilised with BSN Seed Priming fertiliser utilising a very small percentage of the overall fertiliser budget can result in optimal yield potential as opposed to that of seed not fertilised, which risks below optimum yield potential
- 6. application of Ultra Foliar fertiliser provides plant available P, NK + trace elements during vital growth and development stages
- 7. the protection of the soil through the return of greater organic matter after each crop is both an investment for future returns and for the ongoing cropping-potential of the land



The Outcomes

As all products developed by RLF are designed and built for real on-farm performance, IFM - using RLF products - establishes its importance to the farmer because the following outcomes can consistently be achieved :

Plant

IFM can provide the plant with biological results such as strength, root size and development, shoot and tiller size and number, and overall general physiological well-being. It is these results that give the plant the real-life advantages that result in bigger, better and greater crop results.

Yield

IFM targets improved yield performances that can be both measured and quantified. As a result, higher yields provide greater financial return to the farmer.











Economics

IFM gives the ability to achieve a positive economic benefit as a direct result of using this process. RLF products and systems ensure that the farmer can confidently and reliably invest in products that are capable of delivering a return on investment.

Produce

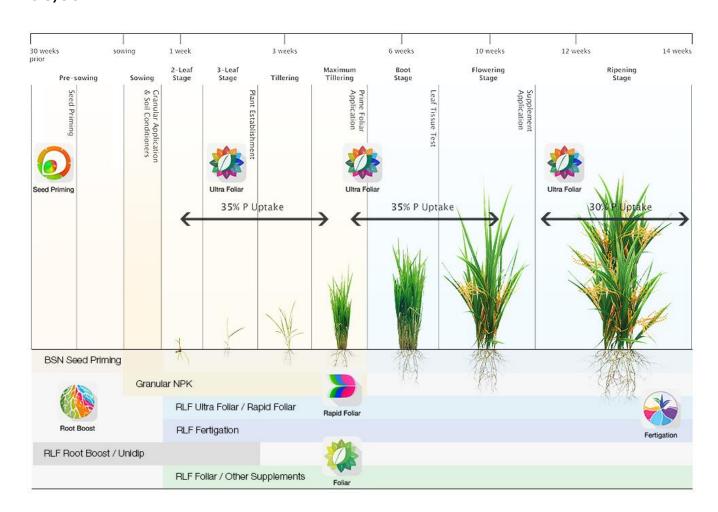
IFM has been shown to grow healthier (with higher nutritional values), tastier and better quality produce.



Sustainability

IFM is designed to produce more biomass for the future of the soil. RLF products have been demonstrated to substantially increase the nutrient value of the plant and the root systems. Following harvest the plant matter returns its nutrition to the root biomass, which in turn directs its nutritional value back to the soil, ready for future use.

The Cycle















Why is it Important

Crop quality and yield is becoming increasingly more important for markets all over the world, as the world population grows and the viability of some agricultural lands decrease with overuse or over-management.

Farmers and growers everywhere are looking for crop advantage.

But they are also looking for ongoing and future sustainability advantage too.



IFM is important because it supports all of these crucial outcomes :

- 1. It minimises risks and maximises opportunities for cropping success and increased yield
- 2. it ensures input costs are invested in the best areas to drive home the best yield
- 3. it gives the opportunity to reduce traditional input costs by channelling just 10-20% of the fertiliser budget into modern farming products
- **4.** it adopts new farming practices based on plant science and advancing technology for more efficient and beneficial products
- 5. it provides the advantages of the latest high performance products available
- 6. it applies plant science principles by establishing new nutrition practices involving fertilising the seed (95% effective) and applying high performance Ultra Foliar (80-85% effective) in support of the less effective, but required methods (a soil granular regime of 15% effectiveness)
- 7. it gives opportunity to increase the quality and health of crops and produce
- 8. it gives opportunity to increase crop yield
- 9. it can deliver better financial returns
- **10.** it improves the quality of the soil through the return of nutritious organic biomass so that it can continue to support farming and agricultural business enterprises for years into the future

It is a new approach. It is one of improved crop performance and increased yield.

It is for these reasons that IFM is important.











IFM TRIAL RESULTS AND DATA

Trial Details	page
Merriwagga, NSW Australia	10
'Brittas' Harvest, Coonawindra, NSW Australia	11
Mt Cooper, South Australia	12
Gilgandra, New South Wales Australia	12
Geshai Village, Zhongzhoa County Neihuang City, Henan Province China	13
Mt Cooper, South Australia	13
Keith, South Australia	13
Luyin Village, Xiancheng City, Henan Province China	14
Boggabilla, New South Wales Australia	14
Wandearah East, South Australia	14

Benefits and Results

This section showcases a selection of trial results from around the globe. They feature wheat crops, and farming enterprise sizes are of different sizes.

In all cases a fully IFM program has been followed with the use of an RLF Seed Priming product and an RLF Ultra Foliar product. The results are easy to read and give the most relevant information for farmers and growers – such as yield results and where provided returns on investment. This list is not exhaustive and is representative only. Much more information can be viewed at www.ruralliquidfertilisers.com.

RLF continually strives to improve its products for a wide range of broadacre crops as it works with its customers to improve profit margin. The broad aim of any IFM trial is to evaluate the profit margin of either the individual or the local area practice, as opposed to an RLF IFM program. In this way, valid choices become available for farmers and growers, and if taken wisely will enhance the benefits of their particular business enterprise markedly.



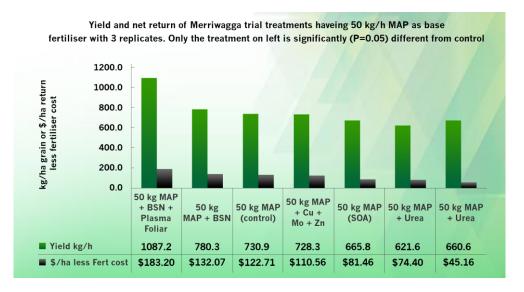






The Merriwagga Trial (2008)

The Merriwagga Trial was conducted by the NSW Department of Primary Industry and involved wheat crops. It is fully described within the reference of Technical Bulletins given at page 22.



Wheat crops (for instance), based on many of the principles of plant physiology, are expected to perform best under IFM. This starts with :

- 1. Priming the seed using BSN Superstrike to lift phosphorus and trace element levels in every single seed. This priming sends the signal to the embryo from day-1 of germination for maximum yield potential.
- 2. Foliar spraying the crop using Plasma Ultra Foliar during crop growth to keep the momentum going and to even up the crop nutrient status further improving root efficiency of nutrient uptake from soil.
- 3. Adjusting soil-based fertiliser inputs to take advantage of the additional benefits of seed priming and foliar spraying.

The table that follows is based on the reported prices used in producing the graph of the Merriwagga trial shown above.

Treatment	Yield kg/ha	Gross Return \$/ha	Fertiliser Cost \$/ha	\$/ha Return Less Fertiliser cost
MAP + BSN + Plasma	1087.2	271.79	\$88.60	\$183.20
MAP+ BSN	780.3	195.06	\$63.00	\$132.07
MAP (Control)	730.9	182.71	\$60.00	\$122.71
MAP + Cu + Mo + Zn	728.3	182.06	\$71.50	\$110.56
MAP + SOA	665.8	166.45	\$85.00	\$81.46
MAP + Urea	621.6	155.40	\$81.00	\$74.40
100 kg MAP	660.6	165.15	\$120.00	\$45.16













The 'Brittas' Harvest Trial (2014)

The 'Brittas' Harvest concluded with harvest late in 2014. It was conducted at the RLF demonstration site at Canowindra NSW, Australia.

The trial has been comprehensively covered in video presentations posted to the www.ruralliquidfertilisers.com global website, with some presentations being subtitled for international marketplaces. The full results of the trial can be found in IN60 referenced at page 21.

The profit results from the 'Brittas' Trial are very good.

The Key Benefits Charted

Plot Size = 0.0045ha (37.5m x 1.2m)	Control (average of two replicates)	BSN	BSN + FOLIAR (IFM)
Yield Results kg/ha	5584 kg/ha	5668 kg/ha	5977 kg/ha
Yield as % of Control (Control set at 100%)	100%	101.5%	107.04%
Gross Return \$/ha (based on \$260/tonne)	\$1451.84	\$1473.68	\$1554.02
Net return \$/ha (after cost)	\$1451.84	\$1470.68	\$1529.02
Benefit + \$/ha	\$0/ha	\$18.84/ha	\$77.18/ha
Net return \$/ha (after cost and granular saving)	\$1451.84	\$1486.68	\$1545.02
Benefit \$/ha	\$0	\$34.84	\$93.18

Profit















IFM 'Trial Briefs' - a selection from the records

Trial	Yield %	Return on Investment %
Mt Cooper, South Australia	10.20%	467.00%
Gilgandra, NSW Australia	30.20%	1100.00%
Geshai Village, Henan Province China	15.80%	1600.00%
Mt Cooper, South Australia	12.20%	546.00%
Keith, South Australia	10.50%	242.00%
Luyin Village, Henan Province China	42.17%	1588.00%
Boggabilla, NSW Australia	10.00%	472.00%
Wandearah East, South Australia	9.40%	263.00%
	140.47%	6272.00%

Mt Cooper, South Australia (2003)

Crop: Wheat Trial type: Weigh Trailer Trial

Yield Results:

Control IFM

3602 (kg/ha) 3969 (kg/ha)





Measured Yield Response

Summary & Financial Return:

Yield increase over Control (kg/ha) 367

Yield increase over Control (%) 10.20%

Return on Investment ROI 467%





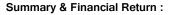
Gilgandra, New South Wales Australia (2001)

Crop: Wheat Trial type: Weigh Trailer Trial

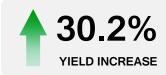
Yield Results :

Control IFM

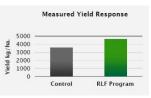
3640 (kg/ha) 4740 (kg/ha)



Yield increase over Control (kg/ha) 1100
Yield increase over Control (%) 30.2%
Return on Investment ROI 1100%





















Geshai Village, Zhongzhoa County Neihuang City, Henan Province China (2013)

Crop: Wheat Trial type: On-farm Demonstration Trial

Yield Results:

Control IFM

Summary & Financial Return:

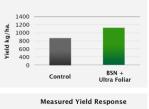
Yield increase over Control (%)

Return on Investment ROI

Yield increase over Control (kg/ha)

840.00 (kg/ha) 977.33 (kg/ha)

15.80%*
yield increase



Measured Yield Response



133.33

15.80%

1600%

Mt Cooper, South Australia (2003)

Crop: Wheat Trial type: Weigh Trailer Trial

Yield Results:

Control IFM

3504 (kg/ha) 3933 (kg/ha)

12.20%
YIELD INCREASE

Summary & Financial Return:

Yield increase over Control (kg/ha) 429

Yield increase over Control (%) 12.20%

Return on Investment ROI 546%





Measured Yield Response

3900 3800 3700

3600 3500 3400

Keith, South Australia (1997)

Crop: Wheat Trial type: Weigh Trailer Trial

Yield Results:

Control IFM

3290 (kg/ha) 3635 (kg/ha)

10.50%
YIELD INCREASE

Summary & Financial Return:

Yield increase over Control (kg/ha) 345

Yield increase over Control (%) 10.50%

Return on Investment ROI 242%













^{*}Note: severe adverse weather conditions were experienced during this season (frost)







Luyin Village, Xiancheng City, Henan Province China (2013)

Crop: Wheat Trial type: On-farm Demonstration Trial

Yield Results:

Control IFM

Yield increase over Control (kg/ha)

8133.33 (kg/ha) 1157.33 (kg/ha)

Summary & Financial Return :

Yield increase over Control (%) 42.17%

Return on Investment ROI 1588%

YIELD INCREASE

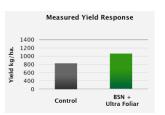
1588% ROI

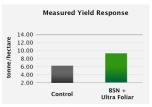
42.17%*

based on financial data of the day

*Note: severe adverse weather conditions were experienced during this season (frost)

344.00





Boggabilla, New South Wales Australia (2001)

Crop: Wheat Trial type: Weigh Trailer Trial

Yield Results:

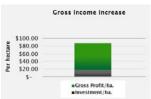
Control IFM

5890 (kg/ha) 6480 (kg/ha)

10.00%
YIELD INCREASE







Summary & Financial Return :

Yield increase over Control (kg/ha) 590

Yield increase over Control (%) 10.00%

Return on Investment ROI 472%

Wandearah East, South Australia (2003)

Crop: Wheat Trial type: Weigh Trailer Trial

Yield Results:

Control IFM

2493 (kg/ha) 2727 (kg/ha)

9.40%
YIELD INCREASE

Summary & Financial Return :

Yield increase over Control (kg/ha) 234

Yield increase over Control (%) 9.40%

Return on Investment ROI 263%



















China









Australia



















THE COMMON THREAD OF EVIDENCE-BASED OUTCOMES

IFM is establishing a very clear upwards - % increase - performance direction for both yield and profits. The very clear evidence is starting to build significantly.

* Of the representative group of eight trials shown within this Special Report, an average across these trials shows a beneficial yield increase of 17.55%, with a very satisfying increased return of investment at 784%. These outcomes and returns are too great to ignore. Very steadily over the years, as RLF has worked with its farming customers, the same common thread of outcomes has been experienced and seen at 'the bottom line'.





What this all means for the farmer, is that for the same financial investment into fertiliser routines and programs, greatly improved returns on many different levels can be gained by embracing RLF's integrated fertiliser management approach to fertiliser practices.

These returns include:

- increased crop yield opportunity
- minimal risk and maximum opportunity program for cropping success
- assured crop quality, strength and health advantages
- potential for better financial returns and marketplace opportunities
- improved soil quality aimed to sustain the business into the future
- reduced granular fertiliser input and costs
- more efficient water use
- an opportunity to make the change to modern day farming practice with a proven product with a credible record of evidence-based outcomes
- the support and advice that comes with an RLF IFM program of fertiliser management including the easy access to product and services

All of these returns add a great deal more than just financial reward.

Adopting new farming practices based on plant science and advancing technology - with proven and world-leading products such as BSN Seed Priming and Ultra Foliar - gives farmers and growers great confidence to achieve these beneficial outcomes.











RETHINKING YOUR FERTILISER INVESTMENT STRATEGY

Based on plant physiology, there are proven benefits to IFM.

Based on time and economic efficiencies, there are also proven reasons to consider a change to your traditional fertiliser programs.

By budgeting up to 10% - 20% of your fertiliser expenses for Seed Priming and Ultra Foliar you could expect increased benefits and returns on investment.

Let's look at some:

- The young plant (embryo) gets its first signal of having sufficient phosphorus when the seed imbibes water. Later, when the radicle grows into a developing root system, (depending on the soil P-level or its accessibility to granular phosphate), the second signal as to the yield potential by the early completion of tillers 1 and 2 is perceived. It is therefore important that the available phosphorus in the seed is adequate and this is secured through Seed Priming with BSN.
- It is well known that the root uptake of phosphorus is some 10% 20% of the season's input. This contrasts with an efficiency of some 80% for Ultra Foliar applied phosphate.
- Where soil tie-up of phosphorus is high, the contribution of foliar phosphorus in improving yield is higher.
- Having phosphorus in a broad-spectrum blend is an easier and more practical approach to growing uniform healthy crops, than to vary fertiliser application rates in the same paddock or row, based on soil fertility mapping.
- Foliar uptake requires half of the plant's energy as compared to soil uptake. The extra energy could be used by the root system to increase root mass and root-associated microbial activity.
- By budgeting and using some 10% 20% of your P in increasing seed level of phosphorus, and phosphorus-based foliar fertilisers, yield benefits result with no added fertiliser cost.



















HIGHLIGHTING OUR CLIENT STORIES

"Year in, Year out!" - The Campbells

"We like our crops to jump out of the ground and BSN Superstrike helps us to achieve that year in, year out. When it comes time to foliar spraying of trace elements we apply Crop Specific Foliars (CSF) to every hectare. RLF products are very efficient which means we don't have to handle a large volume of product when compared to sulphates. RLF help manage our total fertiliser program to maximise production."



Farmers:David and Linda CampbellProperty Size:12000ha'sLocation:Esperance, Western AustraliaAnnual Rainfall:375mmFarm Enterprise:Wheat, Barley, Lupins, Beans, and SheepTime on RLF Program:4 years

"Saves us Money" - The Kittos

"The sandplain we farm is very productive, but leaching had always been a big issue for us with our high rates of granular fertiliser. We use the BSN Superstrike to get the crops to establish faster and to develop a larger root system sooner. Combined with a Plasma foliar spray after the nitrogen and potassium top up, the RLF program helps us to dramatically reduce leaching of our granular fertiliser, which at the end of the day saves us money!"



Farmers:Ian and Rob KittoProperty Size:8000haLocation:MullewaAnnual Rainfall:375mmFarm Enterprise:Wheat, LupinsTime on RLF Program:4 years

"Ground to Top" - The Parkers

"What I like about the RLF program is that I can make the crops grow vigorously under the ground as well as on top. The extra root growth from the BSN Superstrike means that there is better uptake of the granular fertiliser and less leaching on our sandy soils."



Farmers:Gareth and Karen ParkerProperty Size:3000ha'sLocation:Coorow, Western AustraliaAnnual Rainfall:350mmFarm Enterprise:Wheat, LupinsTime on RLF Program:9 years













"Total Farm Plan" - The Sedgwicks

"We wanted a total farm planned approach to our farming system and after using the RLF products we were very pleased with the on-farm service and support that we received. RLF's on-farm backup and focus on fertiliser efficiency helped us develop our farming practices to a far more profitable level. Our crops perform better in the dry years and better in the wet years. We apply BSN Superstrike to all our seed and foliar spray CSF over every hectare of crop!"



Farmers:Ray and Hillary SedgwickProperty Size:8800ha'sLocation:Narembeen, Western AustraliaAnnual Rainfall:320mmFarm Enterprise:Wheat, Barely, Triticale, SheepTime on RLF Program:9 years

"Hitting the Target" - The Hoopers

"BSN Superstrike is great at promoting root growth to give the seed an early kick. I like the nutrient hitting the target and getting the nutrient inside the seed is as close as you can get. The bigger root system picks up more granular fertiliser. CSF lets us mix and match the nutrient input levels based on the season. The increased biomass below the surface can only be good."



Farmers:Jeff and Kaye HooperProperty Size:5000haLocation:Muntadgin, Western AustraliaAnnual Rainfall:330mmFarm Enterprise:Wheat, Lupins. CanolaTime on RLF Program:8 years

"Good Early Vigour" - The Shreeves

"I like the idea of good early vigour and that's why I treat my seed with BSN Superstrike. It promotes bigger and stronger root systems at germination which gives the crop more access to all the nutrients in the soil. If nutrients are marginal it will hold off the deficiency and get you over the line until you get a chance to top the nutrients up with a CSF foliar spray."



Farmers:Ron and Lorraine ShreeveProperty Size:6500ha'sLocation:Merredin, Western AustraliaAnnual Rainfall:320mmFarm Enterprise:Wheat, Barely, Lupins, CanolaTime on RLF Program:2 years













FROM THE ARCHIVES - INSIGHTS SHOWCASING IFM

@ www.ruralliquidfertilisers.com

Over a long period of time our clients, team members and distributors have written about the benefits of IFM. The selection of IN's that follow are provided for your reading interest as they not only share the experiences of our team, but are enlightening and educative. They provide 'a snapshot in time' and are testament to the many successes that IFM has demonstrated. But more than anything else, they highlight the important role that an IFM fertiliser strategy has played over the years. Simply click on the prompt to read the full RLF Insight.

 The Need to Improve Water and Fertiliser Efficiency (released 1 October 2007)



This Insight observes the fertiliser manufacturing costs that rise with an increase in the cost of fuel, and how water use efficiency and harvest index will become increasingly important to growers.

Click Here

• Effective Subsoil Utilisation (released 1 March 2009)



This Insight shows the restrictions caused by hard pan in soils and provides an answer using tilling methods plus IFM to enhance soil profile.

• The Foliar Result Just keep on Coming in (released 1 July 2009)



This Insight demonstrates the obvious benefits received when a barley grower used IFM and RLF products.

Click Here

• Is your Sowing Rate Right? (released 1 November 2009)



This Insight discusses how a minimum input strategy can be, on average, a winner for cereal crop growers in the sandy soils of Western Australia through IFM.

From the Archives - Potatoes in the Late 1990's (released 18 July 2014)



This Insights looks back on early successes with IFM in the potato crop. As far back as the late 1990's better yield, better uniformity and better colour were observed.

Click Here











 Be part of RLF's Private Field Day! (released 27 August 2014)



This Insight is truly spectacular and documents a day on the farm of an RLF client who achieves great results through a program of IFM. They are always willing to share the success of their farm fertiliser strategies and the images are stunning.

Click Here













 IFM Results from 'Brittas' Harvest (released 24 February 2015)



This Insight documents the benefits, profits and other outcomes associated with a controlled trial of IFM versus a district practice control crop.

Click Here















TECHNICAL BULLETINS THAT DISCUSS IFM AND TRIAL DATA

Technical Bulletins have been an important way in which RLF has communicated and imparted its knowledge and understanding of the role of the important trace elements within the fertilising routines of farmers and growers over the years. They have also been instrumental in helping team members keep abreast of the science that underpins our specialised range of products and advancing technologies. The selection of Technical Bulletins that follow are included for your reading interest. They provide a point of reference in any given time (each release date is shown) and form a record of how the advances in technology have all contributed to the ongoing success of IFM. Simply click on the prompt to read the full Technical Bulletin.

 Statistically Significant Yield Increase in Wheat using BSN and Plasma in replicated trials of NSW Department of Primary Industries in 2008 (released 7 May 2009)



This Technical Bulletin examines the reported trial data of two trials conducted by the NSW DPI in 2008. The Rankins Springs Trial and the Merriwagga Trial (already referred to in the body of this Special Report).

Click Here

 NSW Trial Confirms Benefits of Fertiliser Integration (released 29 January 2010)



This Technical Bulletin discusses the **Merriwagga Trial** in greater detail, and compares the outcomes of all the treatments within the Trial that had the district fertiliser practice of 50kg MAP per hectare in common. The benefits of RLF's fertiliser integration in wheat crops is confirmed.

Click Here

• Integrated Fertiliser Program for Canola (released 27 July 2010)



This Technical Bulletin provides an Integrated Fertiliser program for canola crop and discusses the specific crop requirements for this crop type.

Click Here

 Benefits of Fertiliser Integration and its Application to Wheat Crop TB138



(released 3 August 2010)

This Technical Bulletin discusses the benefits of fertiliser integration particularly as it relates to the wheat crop, (and mirrors the benefits explained in the A Quick Recap section of this Special Report).

Click Here













Benefits of Integrated Fertiliser Management (released 8 April 2011)







This Technical Bulletin specifically discusses the foliar formulation of tank mix that is best suited for a program of Integrated Fertiliser Management (IFM). It describes the synergistic feedbacks between root, rhizosphere and shoot resulting in increased fertiliser uptake efficiency and plant productivity.

Click Here

Integrated Fertiliser Management and the Role of Foliar Phosphorus and Nitrogen in Unlocking the Soil Phosphorus

TB144



(released 28 October 2014)

This Technical Bulletin discusses the foliar formulation of tank mix that is best suited to IFM as an additional aid to stimulate rhizosphere activity and the release of fixed soil phosphorus. In recent years, because of the security concerns associated with the use of solid ammonium nitrate and the increasing demand for liquid mixtures of ammonium nitrate called upon, this subject is examined. Click Here

Benefits of Integrated Fertiliser Management in Rice Production (released August 2013)







This Technical Bulletin discusses the benefits of an integrated fertiliser program for rice production and further, provides a guide for the use of granular fertilisers, seed treatment and foliar products.

Click Here

Integrated Fertiliser Management increases Cotton Profit Margin (released 30 July 2014)

TB148





This Technical Bulletin examines the science that supports an Integrated Fertiliser Management plan for cotton crops. Both irrigated and dryland crops have been shown to benefit from IFM as evidenced from over two decades of research and practise. Click Here



















CONTACTS

If you are interested in partnering with RLF in a trial of IFM Products on your property, or simply want advice or information, you can contact your nearest RLF representative.

Managers are located in all states of Australia, all provinces of China and at several international locations.

Their details are listed as follows:



RLF Australia



Grant Borgward

Sales + Customer Services Group (SCG)

National Sales Manager

Email: gborgward@rlf.com.au

Mobile: 0428816701



Ross Coleman

Sales + Customer Service Group (SCG)

State Manager (SA)

Email: rcoleman@rlf.com.au

Mobile: 0427836733



Greg Kaynes

Sales + Customer Service Group (SCG) Area Sales Manager (NNSW / SQLD)

gkaynes@rlf.com.au Email:

Mobile: 0428720199



Richard Stone

Sales + Customer Service Group (SCG)

Field Operations Manager (NSW) Email: rstone@rlf.com.au

Mobile: 0429459208



Mathew Denton

Corporate Group (CG)

Commercial Manager Asia Pacific

mdenton@rlf.com.au Email: Mobile: 0417847993



Greg Elliot

Sales + Customer Services Group (SCG)

Field Operations Manger (WA) gelliot@rlf.com.au Fmail:

Mobile: 0427811045



Jared Siviour

Sales + Customer Service Group (SCG)

Area Representative (SA)

Email: Jsiviour@rlf.com.au Mobile: 0438816005



Michael Taylor

Sales + Customer Service Group (SCG)

Area Representative (NSW) Email: mtaylor@rlf.com.au

Mobile: 0417262422



Rural Liquid Fertilisers

Street Address:

61 Dowd Street, Welshpool WA 6106

Freecall: Telephone:

1800 753 000 +61 8 9334 8700



RLF New Zealand



Jason Reid

Address:

Director Element Raw Materials New Zealand Sales + Customer Service Group (SCG)

jason@elementrm.co.nz Email:

+ 64 21 156 1049 Mobile: Telephone: + 64 3 3181 262

> 573 Halkett Road RD1 Christchurch 7671

> > New Zealand



RLF Thailand



Saranratch (Pui) Tipparatnarapon

Sales + Customer Service Group (SCG)

Client Service Representative

Email: saranratch@rlfglobal.com Mobile: + 66 895 559 991 Telephone: +66 (0)2 104 9164 Address: 388 Exchange Tower,

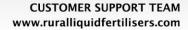
29th Floor, Sukhumvit Road, Klongtoey, Klongtoey,

Bangkok 10110















RLF China



Wang Lin Bao

Sales + Customer Service Group (SCG) Sales Director

Email: wanglinbao@rlfchina.com.cn

Mobile: 13816823469



Gong An

Sales + Customer Service Group (SCG)

Sales Manager

Email: Gongan@rlfchina.com.cn

Mobile: 18689902055



Dong Fang

Sales + Customer Service Group (SCG)

Sales Manager

Email: dongfang@rlfchina.com.cn

Mobile: 18192210238



Li Jian Cai

Sales + Customer Service Group (SCG)

Sales Manager

Email: Lijiancai@rlfchina.com.cn

Mobile: 13699005618



Ma De Liang

Sales + Customer Service Group (SCG)

Sales Manager

Email: madeliang@rlfchina.com.cn

Mobile: 18565196639 / 13751719712



Che Fei

Sales + Customer Service Group (SCG)

Sales Manager

Email: Chefei@rlfchina.com.cn

Mobile: 18679141775



Dan Wang

Sales + Customer Service Group (SCG)

Sales Assistant

Email: huangchen@rlfchina.com.cn

Mobile: 15093498586 / 13621623970



Dong Qi Jun

Sales + Customer Service Group (SCG)

Sales Manager

Email: Dongqijun@rlfchina.com.cn

Mobile: 13973150096



Zhang Xue Kun

Sales + Customer Service Group (SCG)

Sales Manager

Email: zhangxuekun@rlfchina.com.cn

Mobile: 13708760855



Zhang Zhen Xing

Sales + Customer Service Group (SCG)

Sales Manager

Email: zhangzhenxing@rlfchina.com.cn

Mobile: 13589873505



Chen Min

Sales + Customer Service Group (SCG)

Sales Director

Email: chenmin@rlfchina.com.cn

Mobile: 13609010102



Fang Shi Xian

Sales + Customer Service Group (SCG)

Sales Manager

Email: fangshixian@rlfchina.com.cn

Mobile: 18877177724



Kang Guo Tong

Sales + Customer Service Group (SCG)

Sales Manager

Email: kangguotong@rlfchina.com.cn Mobile: 15838321092 / 13621602980



Yin Yao Lin

Sales + Customer Service Group (SCG)

Sales Director

Email: yinyaolin@rlfchina.com.cn

Mobile: 13808613685



Liu Shi Jian

Sales + Customer Service Group (SCG)

Sales Manager

Email: liushijian@rlfchina.com.cn

Mobile: 18904316683



Mu Guang Rong

Sales + Customer Service Group (SCG)

Sales Manager

Email: muguangrong@rlfchina.com.cn

Mobile: 13625365058



Xu Jian You

Sales + Customer Service Group (SCG)

Sales Manager

Email: xujianyou@rlfchina.com.cn

Mobile: 15803829816



Xi Ju Qun

Sales + Customer Service Group (SCG)

Sales Director

Email: xijuqun@rlfchina.com.cn

Mobile: 13213244220 / 13621628105



Bai Yi Gen

Sales + Customer Service Group (SCG)

Sales Manager

Email: Baiyigen@rlfchina.com.cn

Mobile: 13667128486



Zhao Hai Long

Sales + Customer Service Group (SCG)

Sales Manager

Email: zhaohailong@rlfchina.com.cn

Mobile: 15117247798







CONCLUSION

Special Reports such as this one give the opportunity to take a big-picture view of a product or particular practice.

RLF's IFM, with its specialised products of BSN Seed Priming and Ultra Foliar, consistently demonstrates its great value and worth to the farmer in trials and other evaluations (whether field or laboratory-based) conducted by our staff team in marketplaces all over the world. It is a good thing to review this progress, and to be reminded of just how important and powerful the message that this story tells, is for our customers. The beneficial results and outcomes, as identified by the experiences of our clients and the trial results, speak for themselves.

RLF shows its commitment to the agricultural world through its world-leading products and looks forward to the future with confidence. It knows that its farmer and grower customers can share this same confidence in the products they manufacture for IFM.

by Carol Phillips

Executive Consultant Communications and Media

Email: carol@rlfglobal.com

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