



# Mainfert's Dairy System

Individual Farm Specific Nutrient Program



A **comprehensive** soil, plant, animal and production approach to nutrient management.

Address biological, physical and chemical parameters of the soil to increase its **organic matter**.

We have been advising clients for **over 25 years** on sustainable supply of nutrients.

We are **passionate, knowledgeable** consultants putting the results before the sale.

**MEETING TOMORROW'S REGULATIONS TODAY**

# Steps to Success

A block that may seem optimum with regular monitor paddock soil testing, may in fact hide plenty of variability within.

Mainfert offer a benchmark soil testing service where all paddocks are tested to determine which require capital, maintenance or no nutrient input. This can save wasted expenditure and improve production on low nutrient paddocks. We provide colour coded maps for easy reference. The information obtained is then used for our annual nutrient recommendations.

"My fertiliser bill is over \$200,000 per year, so it makes great sense to invest \$3,000 each year to target fertiliser in the right paddocks. A testing cost of \$6/hectare quickly identifies which nutrients to invest to get the best nutrient balance and by the end of the second year we have halved our lime expense."

- Chris Rollinson

*Dairy farmer, Mayfield, 470 ha, 900 cows*

UP TO  
50%  
DIFFERENCE



## Farm Specific Nutrient Program Example

Timing		KG/HA	N	P	S	Ca	K	Na	HUMATES	MINERALS
August/September	Early Spring Mix	100	18		8	2		4		B, Cu, Co, Zn, Se
October	UrateS	70	22		6	3			6	
November	Spring Maintenance	150	22	20	1				10	
December	UrateS + K	90	22		6	3	15		6	
January	UrateS	60	22		6	3			6	
February	Autumn FPF	100	18	8	5	14		2		B, Cu, Co, Zn, Se
March	UrateS	60	22		6	3			6	
April	UrateS	60	22		6	3			6	
<b>TOTALS</b>			<b>168</b>	<b>28</b>	<b>44</b>	<b>31</b>	<b>15</b>	<b>6</b>	<b>40</b>	

### What you can expect from a change to this program:

- The use of nitrogen will drop by at least a third in the first season while maintaining expected pasture production
- Noticeable improvement in pasture density
- Cows become more content
- Significant increase in rooting depth, soil health, worm population & soil aggregation
- Better palatability and higher feed conversion



# Innovative Products

## Fine Particle Fertiliser

The ultimate in nutrient and biological product applications. One pass will address macro elements, trace elements, lime and biological stimulants. It's the most even and accurate application system available.

## Mainphos Range

Mainphos is a Mainfert exclusive range of pH neutral, sustained nutrient release products.

Mainfert has worked with independent manufacturers to develop fertilisers that meet modern requirements for non-soluble phosphate and sulphur applications. As with all Mainfert nutrient solutions the Mainphos range is adaptable to your system, for capital, maintenance, regenerative or biological farming requirements.

## Urate S

Combination of urea, ammonia sulphate, elemental sulphur, lime and humates. Reduces nitrogen inputs at the same time as applying regular amounts of sulphur.

## The Results

Westingdon Farm 2010-2021 | Mainfert formerly Mainland Minerals

Fertiliser Supplier	Year	N Applied Kg/ha	P Applied Kg/ha	N LOSS Kg/ha	COWS Total	SUPPLEMENTS imported kg/cow	PRODUCTION Total kg ms
Previous Supplier	2009/2010	300	38	62	1015	788	459852
Previous Supplier	2010/2011	402	38	63	1050	952	471563
Mainfert	2011/2012	201	29	46	1100	909	498418
Mainfert	2012/2013	241	29	47	1070	713	500248
Mainfert	2013/2014	227	44	49	1295		576415
Mainfert	2014/2015	211	39	31	1120	892	550000
Mainfert	2015/2016	193	44	28	1050	761	509250
Mainfert	2016/2017	189	27	34	1025	610	480000
Mainfert	2017/2018	189	20	45	1000	630	478000
Mainfert	2020/2021	130	31	44	1010	479	472000

### Notes:

- Farm use of nitrogen has halved since Mainland started and still maintaining 18 - 20T p.a. pasture production.
- Significant increase in rooting depth, soil health, worm populations & soil aggregation.
- Big improvement in pasture density.
- Cows more content now. They are being fed quicker & sitting down by mid-morning. No longer chasing passing traffic looking for more feed.
- No more pasture pull. Prior to Mainfert's program, we were getting 10-15% pasture pull each grazing round.

## Mainfert enable our customers to understand their farms better than ever before.

“Here at Toropuke we run 1500 milking cows with approximately 50% being wintered on the farm. At about 480kg milk solids per animal, annual production falls north of 700,000kg.”

We decided to go with Mainland Minerals (recently renamed Mainfert) 10 years ago and I'm very glad we did. Our dependency on nitrogen had grown to 420 units per annum and while the grass looked okay we weren't seeing contented animals.

Mainfert's Nutrient Advisors were intensely interested in the health of our soil and even though there was some transitional time, once our nutrient management was on the right track we could see the results we wanted. Milk production up, expensive nutrient wastage to environment eliminated, stronger healthier pasture and content animals that were grazing fast and clean and then laying down much earlier. Our N usage now is below 170kg per annum.

Mainfert take care of our total fertiliser program and provide a range of products including stabilised nitrogen, traditional granular products and fine particle fertiliser inclusive of minerals and trace elements.

We're happy customers and glad to see Mainfert move from strength to strength. They deserve to do well because they genuinely care about the links between healthy soil, nourishing pasture, animal health and performance and the farmers back pocket.

**Contract Milker / Farm Manager Tim McNae and wife Chloe manage Toropuke a 470Ha dairy farm near Darfield.**



## Expected Results

Work with an experienced, dedicated, longstanding nutrient advisor and expect to see the following outcomes:

- Reduced nutrient inputs
- More profit
- Meet environmental guidelines
- Strategic, targeted nutrient applications to inconsistent paddocks
- Better soil structure
- More earthworms
- Superior pasture palatability & quality
- Improved animal health

