

# DEOSAN

# Product Guide 2025

Supporting  
New Zealand  
farmers



Proud Kiwis



In the 1990's a young dairy farmer from the Waikato was so impressed with the results from his chosen teat spray, that he bought the company.

## A classic Kiwi story

Mike Bodle from Walton, had experienced bad mastitis issues until he discovered Teat-Ex from multinational chemical company, Diversey Lever. However, in 1993, Diversey made the decision to exit the New Zealand market. When Mike heard he may no longer be able to source Teat-Ex, he got in his ute and drove to their head office in Auckland, determined to protect the future good health of his herd, and came home with the Deosan formulations.

It was the start of an ambitious business venture, motivated entirely by his belief in an excellent product, if somewhat handicapped by the fact Mike had never run a business like this before.

Four years later, Mike handed the reins over to younger brother Kip, who had a keen interest in business. Kip was the third son in the Bodle family and spent most of his childhood entertaining his brothers on the farm and reminding them that one day he would make it 'big' beyond the farm gate.

Kip decided that the Deosan brand was the opportunity he had been waiting for. The next eight years unfolded with many trials and tribulations, struggles and innovations. But perseverance won in

the end, and today Deosan is recognised as a preeminent name in product innovation and sales and marketing excellence, in and around dairy shed consumables products.

TeatX is now New Zealand's market-leading teat spray. And with Deosan's full dairy detergent and liquid mineral supplement range, Deosan is cementing its place at the forefront of the teat care, dairy shed hygiene and animal health categories.

With nationwide distribution through all rural retailers and vets, and a team of Territory Managers spanning the country supported by a technical and product development team, Deosan is well on the way to becoming another iconic Kiwi agribusiness brand. A grass roots business, Deosan is all about good people, innovation, sustainability, excellence and a commitment to putting something back each year, to help New Zealand's dairy sector succeed.

We're proud to be developing and selling products that are made to suit New Zealand's unique farming conditions and ultimately helping our Kiwi dairy farmers produce the best milk in the world.

Kip Bodle CEO



Bodle family farm,  
Kiwitahi, Waikato

## Key benefits, at a glance

We're delighted to be able to offer NZ dairy farmers a range of innovative products specifically formulated for NZ conditions. We continually look for ways to add value to our farmers and believe our range does this through quality and performance, backed with unparalleled service. But it doesn't finish there. We are passionate about doing our bit to protect the resources that sustain our dairy industry. We source the most environmentally-friendly ingredients and always look for ways to innovate our products so that we can improve biodegradability, without compromising on-farm performance.

We've cut to the chase, and developed a quick and easy way for you to get to know our products.

All our labels highlight the three key product benefits, giving you everything you need to make your purchasing choice quickly, at a glance.

Welcome to Deosan! We look forward, with your help, to continuing to make a difference to building a sustainable NZ dairy farming sector.



We take pride in being able to offer you a complete range of teat care, dairy hygiene and liquid minerals to help maintain peak condition in your herd.





Teat Care

# TeatX<sup>®</sup> Plus

Advanced Chlorhexidine Teat Sanitiser



### 3 key benefits

- 1 Fast penetration speed
- 2 Delivers superior teat condition to help prevent mastitis
- 3 Multiple dilution rates 1:4, 1:7, 1:9



Available sizes: 20L, 100L, 200L, 1,000L

#### Other TeatX<sup>®</sup> Plus features

- Contains high levels of glycerine emollient
- Kind on teats with neutral pH
- Fast penetration speed
- Stable in most water types
- Highly stable against chemical contamination
- Produces a fine mist spray for better teat surface coverage

#### Product composition

Components	Concentration [%]
Glycerine Emollient	<40.0
Nonionic Surfactants	<10.0
Ethanol	<5.0
Chlorhexidine Digluconate	<5.0
Dye	<0.1
Water	To 100%
<b>Total active (Chlorhexidine)</b>	<b>1.9%</b>
<b>Total Emollient (Glycerine)</b>	<b>40%</b>

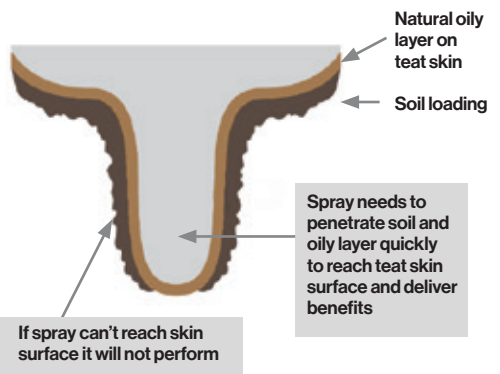
Teat Care

# TeatX<sup>®</sup> Plus



#### Superior teat spray formulation

- **The importance of wettability**  
The ability for the teat spray to penetrate soil and the oily layer on the udder and teat  
TeatX<sup>®</sup> PLUS penetrates in less than 2 seconds  
Chlorhexidine teat sprays have persistent activity and remain actively killing bugs for up to 8 hours post spraying.



TeatX<sup>®</sup> Plus is a revoutionary new formula designed to improve teat condition and recognised to be the best defence against mastitis infection.

- Chlorhexidine amounts have been optimised to the level proven to effectively control all common forms of bacteria found in New Zealand. This level reduces the residue risk associated with use of Chlorhexidine at high levels
- Technologically advanced dual surfactants expedite penetration into the teat skin surface (<2 sec)
- Formulated and produced in New Zealand for our unique conditions
- Includes only Glycerine as the emollient which is recognised as more effective than other emollients (sorbitol)
- Passed the New Zealand Teat Sanitiser Efficacy Testing Protocol A: 1998 & EN1656.



## Mixing chart



### 1:4 mixing

1 part TeatX<sup>®</sup> Plus to 4 parts water = total of 5 parts

5L Vessel	=	1L TeatX <sup>®</sup> Plus	+	4L Water
20L Vessel	=	4L TeatX <sup>®</sup> Plus	+	16L Water
50L Vessel	=	10L TeatX <sup>®</sup> Plus	+	40L Water
80L Vessel	=	16L TeatX <sup>®</sup> Plus	+	64L Water
100L Vessel	=	20L TeatX <sup>®</sup> Plus	+	80L Water

Teat Care

# TeatX<sup>®</sup>

Advanced Chlorhexidine Teat Sanitiser



## 3 key benefits

- 1 Fast penetration speed
- 2 Delivers superior teat condition to help prevent mastitis
- 3 Multiple dilution rates 1:4, 1:7, 1:9



Available sizes: 20L, 100L, 200L, 1,000L

### Other TeatX<sup>®</sup> features

- Neutral pH to reduce irritation on cows skin
- Stable against most water types
- Highly stable against chemical contamination
- Produces a fine mist spray for better teat surface coverage

### Product composition

Components	Concentration [%]
Glycerine Emollient	<40.0
Nonionic Surfactants	<10.0
Ethanol	<5.0
Chlorhexidine Digluconate	<5.0
Dye	<0.1
Water	To 100%
Total Active (Chlorhexidine)	3.0%
Total Emollient (Glycerine)	35%

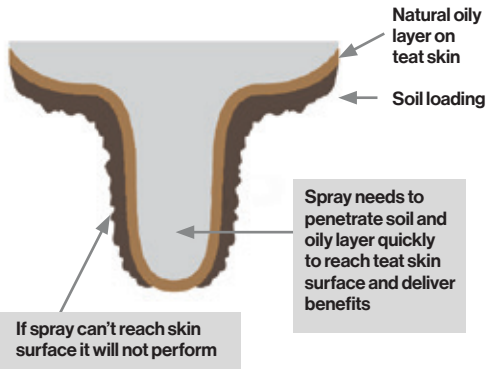
Teat Care

# TeatX<sup>®</sup>



## Superior teat spray formulation

- **The importance of wettability**  
The ability for the teat spray to penetrate soil and the oily layer on the udder and teat



- **Most stable teat spray**  
Water quality is a big issue in NZ sheds. **TeatX<sup>®</sup>** is the most stable teatspray, staying clear at high levels of chemical and water contamination when compared to all other chlorhexidine teat sprays.

	Distilled Water	Hamilton Town Supply	Hard Water	Alkaline Water
TeatX <sup>®</sup>	Clear	Clear	Clear	Clear
Other Chlorhexidine Sprays	Clear	Cloudy	Cloudy	Cloudy

- TeatX<sup>®</sup> is New Zealand's leading chlorhexidine teatspray delivering superior teat condition to help prevent mastitis.** It is the only teatspray on the market which has all the following components:
- Longer killing power during calving period
  - More emollient for better teat condition
  - Most stable against hard water & chemical contamination
  - pH neutral to be kinder on teats
  - < 2 second penetration
  - NPE free

## Mixing chart

### 1:4 mixing

1 part **TeatX<sup>®</sup> Plus** to 4 parts water = total of 5 parts

5L Vessel	=	1L <b>TeatX<sup>®</sup> Plus</b>	+	4L Water
20L Vessel	=	4L <b>TeatX<sup>®</sup> Plus</b>	+	16L Water
50L Vessel	=	10L <b>TeatX<sup>®</sup> Plus</b>	+	40L Water
80L Vessel	=	16L <b>TeatX<sup>®</sup> Plus</b>	+	64L Water
100L Vessel	=	20L <b>TeatX<sup>®</sup> Plus</b>	+	80L Water



Teat Care

# Triodex<sup>®</sup>

Advanced Iodine Teat Sanitiser

### 3 key benefits

- 1 Low irritant formulation to aid teat skin health
- 2 High levels of glycerine to improve teat condition
- 3 Simple mixing with no additional emollient required

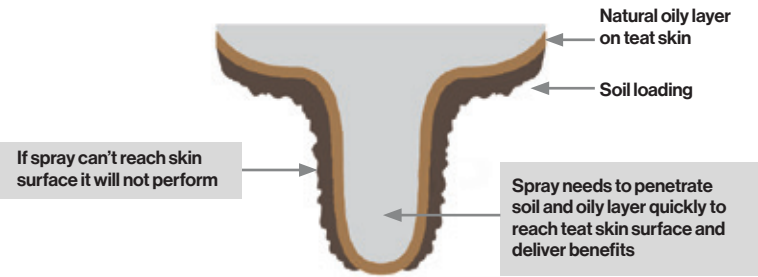
Other Triodex<sup>®</sup> features

- Fastest penetration speed
- Unique PVP Iodine formulation resulting in
  - less iodine needed for the same bug kill
  - less iodine leads to improved teat condition
- Cost effective multiple dilution rates 1:4 and 1:9
- NPE & QAC free
- Contains: 10g/L Available Iodine. 350g/L Glycerine Emollient.

Superior teat spray formulation

- The importance of wettability

The ability for teat spray to penetrate soil and oily layer on the udder and teat



- Triodex<sup>®</sup> wettability out performs all other iodine teat sprays in New Zealand.

Triodex<sup>®</sup> is formulated by New Zealand's leading teat spray manufacturing company, delivering superior teat condition to help prevent mastitis. Triodex<sup>®</sup> has been formulated using Deosan's unique surfactant technology.

Detergents

# Zoom<sup>®</sup> Acid

Fast acting acid detergent sanitiser



### 3 key benefits

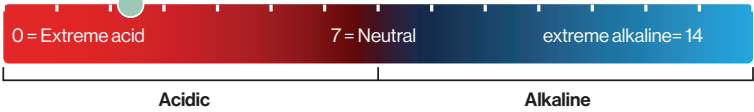
- 1 Cost effective 1ml/L dose rate in hot or cold
- 2 Superior cleaning and sanitation
- 3 Low residue risk formulation

Other Zoom<sup>®</sup> Acid features

- Formulated with Deosan's enhanced surfactant technology
- Synergistic acid blend
- Trialled extensively on farm and suitable for cleaning a broad range of milking machines and bulk milk tanks
- Stable foam profile in both hot and cold water
- Suitable across a wide range of water types
- Easy to rinse from the Milking Plant and BMT
- Biodegradable formulation
- QAC free

The pH scale

Zoom<sup>®</sup> Acid pH 2.4



Example Zoom<sup>®</sup> Acid wash program

Milking plant							
	M	T	W	T	F	S	S
AM	Hot Alkali	Hot Acid	Hot Acid	Hot Alkali	Hot Acid	Hot Acid	Hot Acid
PM	Cold Acid	Cold Acid	Cold Acid	Cold Acid	Cold Acid	Cold Acid	Cold Acid
Bulk milk tank							
	M	T	W	T	F	S	S
After milk Collection	Hot Alkali	Hot Acid	Hot Acid	Hot Alkali	Hot Acid	Hot Acid	Hot Acid

Use as part of your complete dairy hygiene system in conjunction with Alkali Powder, Chlor Alkali Liquid, Alkali Liquid and Hypo Chlor.



Available sizes: 20L, 100L, 200L, 1,000L



Available sizes: 20L, 100L, 200L, 1,000L

Detergents

# Alkali

Heavy duty alkali powder

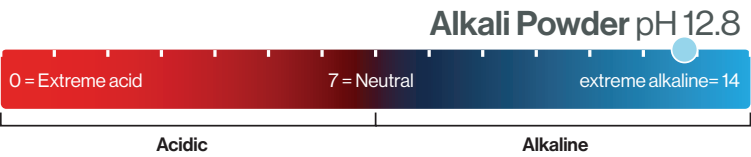
## 3 key benefits

- 1 800g/kg of total alkali
- 2 Low foaming formulation
- 3 Fast penetration for removal of fat and protein deposits

### Other Alkali Powder wash features

- Softens hard water and prevents deposits
- Highly stable in hot water
- Compatible with a wide range of water types
- 3.2 % stable chlorine content

### The pH scale



### Example wash program

Milking plant							
	M	T	W	T	F	S	S
AM	Hot Alkali	Hot Acid	Hot Acid	Hot Alkali	Hot Acid	Hot Acid	Hot Acid
PM	Cold Acid	Cold Acid	Cold Acid	Cold Acid	Cold Acid	Cold Acid	Cold Acid

Bulk milk tank							
	M	T	W	T	F	S	S
After milk Collection	Hot Alkali	Hot Acid	Hot Acid	Hot Alkali	Hot Acid	Hot Acid	Hot Acid

Use as part of your complete dairy hygiene system in conjunction with **Zoom® Acid**.



Available sizes: 20kg

Detergents

# Alkali

Heavy duty alkali liquid

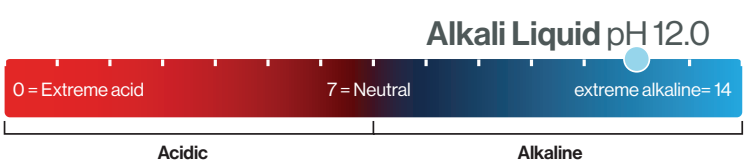
## 3 key benefits

- 1 High levels of caustic soda
- 2 Non foaming liquid formulation
- 3 Fast penetration for removal of fat and protein deposits

### Other Alkali Liquid wash features

- Softens hard water and prevents deposits
- Highly stable in hot water
- Compatible with a wide range of water types
- Ideal for automatic wash systems
- Non chlorinated formulation

### The pH scale



### Example wash program

Milking plant							
	M	T	W	T	F	S	S
AM	Hot Alkali	Hot Acid	Hot Acid	Hot Alkali	Hot Acid	Hot Acid	Hot Acid
PM	Cold Acid	Cold Acid	Cold Acid	Cold Acid	Cold Acid	Cold Acid	Cold Acid

Bulk milk tank							
	M	T	W	T	F	S	S
After milk Collection	Hot Alkali	Hot Acid	Hot Acid	Hot Alkali	Hot Acid	Hot Acid	Hot Acid

Use with **Hypo Chlor** in conjunction with **Zoom® Acid** as part of your complete dairy hygiene system.



Available sizes: 20L, 100L

Detergents

# Chlor Alkali

Powerful Liquid Chlorinated Alkali

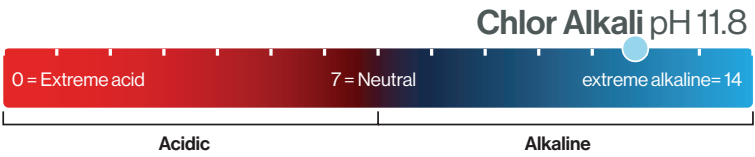
### 3 key benefits

- 1 High levels of caustic soda
- 2 Medium foaming liquid formulation
- 3 Fast penetration for removal of fat and protein deposits

Other Chlor Alkali wash features

- Softens hard water and prevents hard water deposits
- Highly stable in hot water
- Compatible with a wide range of water types

The pH scale



Example wash program

Milking plant							
	M	T	W	T	F	S	S
AM	Hot Alkali	Hot Acid	Hot Acid	Hot Alkali	Hot Acid	Hot Acid	Hot Acid
PM	Cold Acid	Cold Acid	Cold Acid	Cold Acid	Cold Acid	Cold Acid	Cold Acid

Bulk milk tank							
	M	T	W	T	F	S	S
After milk Collection	Hot Alkali	Hot Acid	Hot Acid	Hot Alkali	Hot Acid	Hot Acid	Hot Acid

Use as part of your complete dairy hygiene system in conjunction with ZOOM® Acid.

Detergents

# Hypo Chlor

All purpose liquid chlorine sanitiser

### 3 key benefits

- 1 Effective booster for alkali washing
- 2 Sanitiser for treating coliforms in water
- 3 High chlorine concentration for removal of mould and algae

Other Hypo Chlor wash features

- Superb in breaking down protein deposits
- Low cost all purpose cleaner and sanitiser
- Highly stable in hot water
- Compatible with a wide range of water types
- Full strength sodium hypochlorite
- Excellent concrete cleaner
- Removes dairy soil from walls, floors and pipework

Dilution Guide

Use with ZOOM® Alkali Liquid as an alkali booster:

Use rate of 2mls per litre of water.

**Bomb Wash:** Add an additional 2mls per litre with all alkalis.

**Bore Water Treatment:** Use (0.001-0.002%) 1 litre per 5,000 to 10,000 litres of water.

**Bleach/disinfectant:** Use (0.02-0.05%) 1 litre per 200 to 500 litres of water.

**Industrial Cleaning:** Use (1-10%) 1 litre per 10 to 100 litres of water.

**Moss/Lichen Killing:** Use (5-20%) 1 litre per 5 to 20 litres of water.

**Algae Control:** Use (0.001-0.002%) 1 litre per 5,000 to 10,000 litres of water.

**Swimming Pools:** Use (0.0001-0.0002%) 1 litre per 50,000 to 110,000 litres of water.



Available sizes: 20L, 100L



Available sizes: 20L, 100L

# Glycerine

Responsibly sourced • **Pharmaceutical grade**



Available sizes: 20L, 100L, 200L,

**Other Glycerine features**

- Neutral pH
- Derived from sustainable sources

**Product composition**

Components	Concentration [%]
Glycerine Emollient	>98.0

# Bloat Control

Bloat preventative and treatment

**3 key benefits**

- 1 Highly soluble formulation
- 2 Contains 800g/L alcohol ethoxylate
- 3 Low cost 5ml dose rate



Available sizes: 20L, 100L, 200L,

**Other Bloat Control features**

- Can be used as a trough or drench treatment
- Can be dispensed in cold water
- Easy to dose
- Helps prevent & disperse frothy bloat

**Product composition**

Components	Concentration [%]
Surfactants	>80.0
Ethanol	<5.0
Food Red Dye (CI 14720)	<1.0
Water	To 100%
<b>Total Active</b>	<b>80%</b>



Mineral Supplements

# Combi 4<sup>TM</sup> Chelate

Liquid trace mineral blend for dairy cows

### 3 key benefits

- 1 Ideal for herds feeding high levels of PKE
- 2 Highly palatable with aniseed flavour
- 3 Chelated for optimal absorption

#### Other Combi 4<sup>TM</sup> Chelate features

- Specifically formulated for cows that do not require copper supplementation
- Chelate blend supplement to optimise milk production
- Supports overall cow health and fertility
- 2ml/4ml dose rates for cost efficiency
- Can be mixed as trough treatment or drench and mixed with liquids to pour over hay or silage
- Organic and non-corrosive on equipment
- Stays in solution

#### Product composition

Components	Concentration [%]
Sodium selenate	<0.5
Iodine Chelate- EDDI	<0.5
Zinc Chelate	<20
Cobalt Chelate 14%	<0.5
Aniseed	<5.0
Water	To 100%



Available sizes: 20L, 100L, 200L, 1,000L

Mineral Supplements

# Combi 5<sup>TM</sup> Chelate

Liquid trace mineral blend for dairy cows

### 3 key benefits

- 1 Chelate blend supplement to optimise milk production
- 2 Supports overall cow health and fertility
- 3 2ml/4ml dose rates for cost efficiency

#### Other Combi 4<sup>TM</sup> Chelate features

- Chelated formulation for more effective absorption
- Aniseed flavoured to enhance taste
- Can be used as a trough treatment or drench and mixed with liquids to pour over hay or silage
- Organic and non-corrosive on equipment
- Stays in solution

#### Product composition

Components	Concentration [%]
Copper Chelate	< 30
Sodium Selenate	< 0.5
Iodine Chelate - EDDI	< 0.5
Zinc Chelate	< 20



Available sizes: 20L, 100L, 200L, 1,000L



Mineral Supplements

Helping keep your herd in peak condition



Copper Chelate

- Low cost dosage 2ml per day for 100mg of copper
- Increases immunity, general health and reproduction
- Convenient dosing through drenching, trough treatment or on feed supplements



Cobalt Chelate

- Low cost dosage 0.5ml per day for 2mg of cobalt
- Aids in the production of vitamin B12
- Convenient dosing through drenching, trough treatment or on feed supplements



Iodine Chelate

- Low cost dosage 0.5ml per day for 6mg of iodine
- Assists in calf development and thyroid function
- Convenient dosing through drenching, trough treatment or on feed supplements



Zinc Chelate

- Low cost dosage 4ml per day for 200mg of zinc
- Helps with hoof hardening and supports immune response
- Convenient dosing through drenching, trough treatment or on feed supplements



Liquid Selenium

- Low cost dosage 0.4ml per day for 2mg of selenium
- Reduces retained afterbirth and improves conception
- Convenient dosing through drenching, trough treatment or on feed supplements



Supporting New Zealand farmers

NZ owned and operated, Deosan is all about good people, innovation, sustainability and a commitment to putting something back each year, to help New Zealand's dairy sector. We're proud to be developing industry-leading products that are made to suit New Zealand's unique farming conditions and ultimately helping our Kiwi dairy farmers produce the best milk possible.







Po Box 8, Waharoa 3441  
20 Seddon Street  
Waharoa, New Zealand

**p** 0800 DEOSAN (336726)  
**e** [info@deosan.co.nz](mailto:info@deosan.co.nz)  
**w** [www.deosan.co.nz](http://www.deosan.co.nz)

Supporting  
New Zealand  
farmers