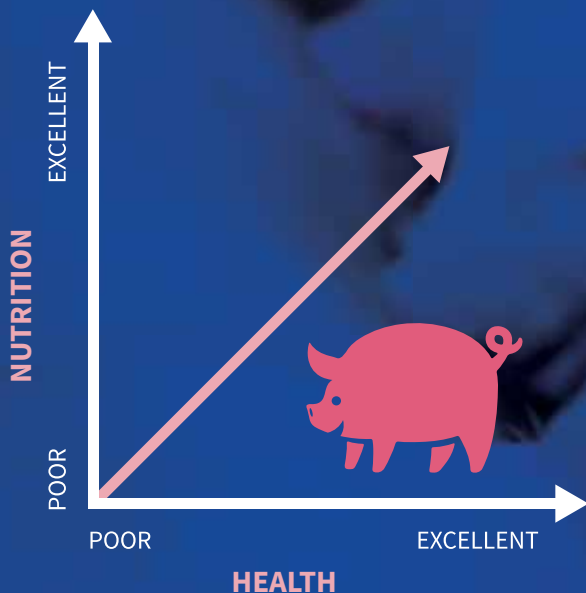




Grow better **PIGLETS**

AgriVantage
PROVEN ANIMAL NUTRITION
A division of Chemiplas (NZ) Ltd



Maximising nutrition early in the piglets' life will have lasting effects

- 1.** Better growth and organ development
 - Development of body tissues (muscle, organs)
 - Development of body systems (immune and digestive system)
- 2.** Less disease and piglet mortality (+ 1 piglet/litter)
- 3.** Better growth: +500g/day until 21 days
- 4.** Improved feed conversion in fattening
- 5.** Full expression of genetic potential
- 6.** Economy

Milkiwean® Yoghurt – for total piglet performance

Composed of the highest quality raw materials, Milkiwean Yoghurt provides pig farmers with an optimised feed of reliably consistent nutritional value.

Milkiwean Yoghurt is not a milk replacer. It is a supplementary liquid feed for young piglets, fed in addition to sow milk from day 1 to 14.

It contains three times as much dry matter as regular milk substitutes.

Milkiwean Yoghurt is designed to support all piglets and especially smaller piglets

to survive and thrive, avoiding overeating, while supporting healthy development of the digestive system. It is a very palatable and highly digestible component.

Feeding Milkiwean to piglets will encourage high dry matter intake, increasing growth rates and development pre-weaning.

Feed intake before weaning:

| Feed intake before weaning | Milkiwean Yoghurt | | Pre-starter |
|----------------------------|-------------------|-------------|-------------|
| | Yoghurt | Pre-starter | |
| 0 – 14 days | 421g | 0 | 128g |
| 14 – 26 days | 33g | 304g | 298g |
| Total | 758gDM ← +332g → | | 426g |

The above table shows a trial done in Holland, testing the difference between piglets fed Milkiwean Yoghurt for 14 days against a group which only had pre-starter.

The Yoghurt group ate 421g Yoghurt in the first 14 days, then they got Yoghurt mixed with pre-starter for another 3 days, so in total they consumed 454g Yoghurt. From day 1 until day 26 (weaning) this group consumed 758gDM in total.

The pre-starter group only ate 128g in the first 14 days, from 14 – 26 days they ate 298g, totaling 426g. This group ate 332g less than the Yoghurt group.

Summary of results

Better feed intake

- ✓ Improved feed intake before weaning
 - 500gDM Yoghurt
 - Higher intake solid feed before and after weaning
- ✓ Smooth transition to solid feed

Litters

- ✓ More uniform (improved homogeneity)
- ✓ 2 – 4 % less mortality
- ✓ 0.5 more weaned piglets per litter

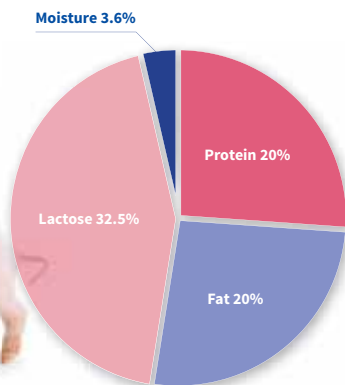
Growth

- ✓ Higher weaning weights > 500g
- ✓ Significant higher growth after weaning
- ✓ Less slow growers and laggards
- ✓ Better performance until slaughtering

Milkiwean® Yoghurt



- ✓ For optimal, safe piglet rearing
- ✓ Supplementary to sow's milk as first type of feed
- ✓ Helps to prevent diarrhoea
- ✓ Tasty, thick fluid product which encourages higher DM intake
- ✓ Easy to mix
- ✓ Available in 20kg bags



Recommended feeding schedule

Always ensure each animal has adequate intake of colostrum in the first 12 hours' post birth (approx. 10% of its body weight).

| Day | # feeds/day | Milkiwean Yoghurt Litres of feed/piglet | Solid feed |
|------------------|-------------|--|------------|
| Day 1 | 1 | Colostrum + 0.125L | |
| Day 2-4 | 2 | 0.2 – 0.3L | |
| Day 5-8 | 2 | 0.4 – 0.6L | |
| Day 9-13 | 2 | 0.75 – 1.25L | |
| Day 14-16 | 1 | 1.0 – 1.5L | 200 – 300g |
| Day 17 - weaning | | | Adlib |

* Day 1 is day of birth. Start feeding Milkiwean Yoghurt 12 hours after birth.

Mixing instructions

1. Prepare in a big mixer or bucket
2. Add 1kg Milkiwean powder to 2.5L lukewarm water (40-45°C)
3. Mix well

Milkiwean Yoghurt is designed to support all piglets and especially smaller piglets to survive and thrive, avoiding overeating, while supporting healthy development of the digestive system.



How to control bacteria in housing

Growing healthy animals – boosting their wellbeing and preventing disease to optimise their nutritional uptake – will depend heavily on having good housing hygiene.

The Stalosan range does not contain chemicals and will remain active for several days as a drying agent. Stalosan can be used to treat existing bacterial problems; however, real cost benefit comes from using it as a preventative.

Stalosan® F

In the case of high bacteria risk, use Stalosan F - a drying agent with disinfectant properties.

Because Stalosan F can be added while animals are present, you'll have consistent disease control. Also, it is a powerful drying agent; binding ammonia in the air and reducing ammonia emissions.

What's in Stalosan F?

Stalosan F has no 'active' (chemical) ingredient. It does not invade or destroy cells, rather it works as an absorbent, attaching organisms to its surface.

How does Stalosan F compare to liquid disinfectants?

Liquid disinfectants kill pathogens as they come into contact with them but can be quickly deactivated by organic matter in animal houses. They have no effect on the diseases entering animal houses with newly introduced animals.

Stalosan F is active against:

| Bacteria | Viruses | Fungi | Parasites |
|-------------------------|---------------------|----------------------------------|-------------|
| Clostridium | Rotavirus | 100% effective against all types | Coccidiosis |
| E. Coli | No viral resistance | | Fly larvae |
| Pasturella | | | Roundworms |
| Pseudomonas | | | |
| Salmonella | | | |
| Staphylococcus | | | |
| Streptococcus | | | |
| No bacterial resistance | | | |



Stalosan® F

- ✓ For controlling bacteria, viruses, fungi, parasites, fly larvae, ammonia and moisture to improve bedding quality in animal housing
- ✓ Remains active for several days, even in the presence of manure and bedding
- ✓ Powerful drying agent
- ✓ Can be used with most animals, including cattle, pigs, goats, sheep and horses
- ✓ Available in 25kg



Stalosan® Basic

- ✓ Powerful drying agent, which lowers pH of the environment and binds ammonia to make animal bedding comfortable
- ✓ Can be used with most animals, including cattle, pigs, goats, sheep, poultry and horses
- ✓ Use in conjunction with Stalosan F where a more broad-spectrum effect is required
- ✓ Available in 15kg

The combination of low pH value and strong drying properties makes Stalosan Basic highly efficient in reducing the development of harmful substances within animal housing.

Stalosan Basic is a low-cost hygiene agent which effectively reduces the development of harmful substances in the animal environment.

NOTE: It is not a disinfectant and should only be used in areas where bacteria risk is not high.

Halamid®

Halamid® disinfectant is a highly effective and versatile biosecurity disinfectant with a large activity spectrum. Once mixed, it will remain stable for several weeks*. It's also non-corrosive on metal and very safe to use.

Halamid is effective against many known pathogens related to intensive farming applications. A few of them are indicated below, but the complete activity spectrum of Halamid is much wider.

Halamid is active against:

| Bacteria | Viruses | Fungi |
|------------------------|-----------------------------------|--------------------------------|
| Salmonella sp | Avian Influenza virus | Aspergillus brasiliensis/niger |
| Campylobacter sp | Adeno virus (egg drop syndrome) | Aspergillus fumigatus |
| E-coli | Newcastle disease | |
| Listeria | Gumboro disease (IBD) | |
| Pseudonomas aeruginosa | Infectious bronchitis virus (IBV) | |
| Staphylococcus aureus | Avian reovirus (viral arthritis) | |
| Mycoplasma | Avian Influenza virus | |

**Halamid (1-10%) solution will remain stable for weeks if kept out of direct sunlight. Stability is also dependent on pH, which should remain above 7 to guarantee stability. A 1% solution of Halamid in demineralised water normally has a pH of 9.*



Halamid®

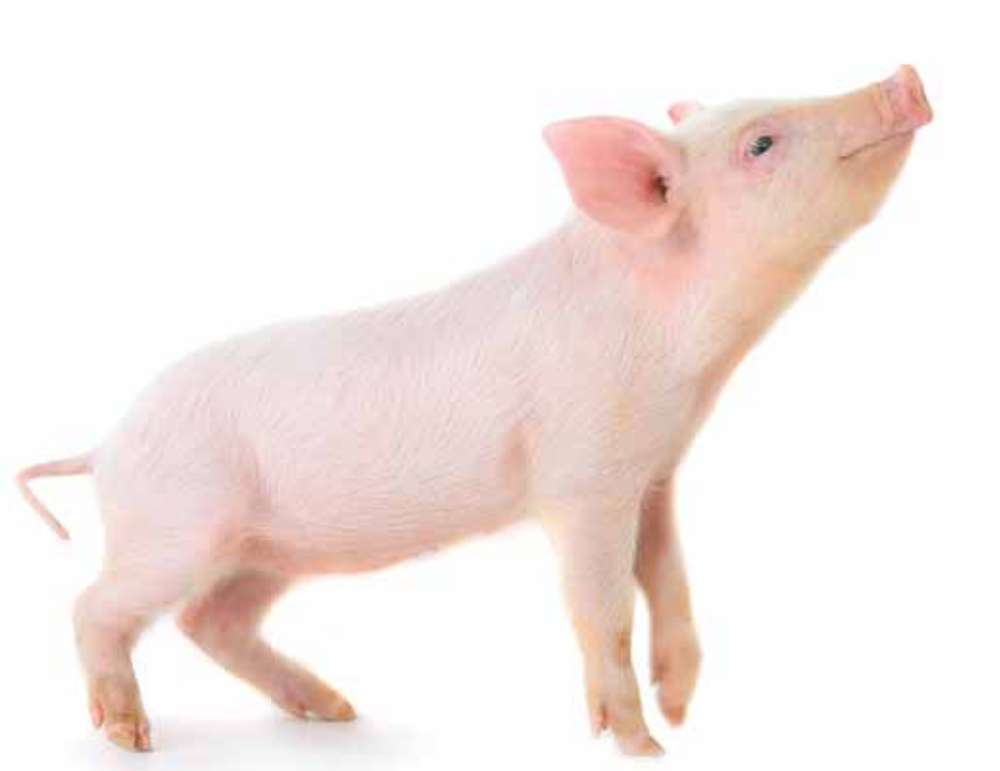
- ✓ Highly effective and versatile biosecurity disinfectant with large activity spectrum
- ✓ Kills pathogens in 5-10 minutes
- ✓ Non-corrosive in solution, safe for milking equipment
- ✓ Good for all-shed situations and rearing pens
- ✓ Footdip disinfectant
- ✓ Stable formulation, readily biodegradable and safe to use
- ✓ Nil risk of resistance
- ✓ Use in combination with Stalosan® F for a total hygiene solution
- ✓ Available in 100g, 2kg and 5kg

Application

Halamid is always applied as an aqueous solution: simply dissolve the Halamid in clean water at the required concentration.

| | Concentration of Halamid (to clean water) | Comment |
|--|--|---|
| Disinfection of rearing and housing barns | 100g/10L | Apply 0.3L per square metre (or 1L per 3m ²) |
| Teat disinfection | 30g/10L | |
| Milking equipment disinfection | 50g/10L | Rinse with clean water |
| Footdip | 200g/10L | Renew as often as needed |

NOTE: Use biocides safely. Always read the label and product information before use.



Grow better piglets with AgriVantage

AgriVantage is the animal nutrition division of Chemiplas Limited. We provide New Zealand rearers and farmers with quality, cost-effective nutrition and rearing solutions.

We stand by our brands 100%. Milkiwean, Stalosan and Halamid are top quality products, used by rearers worldwide. Using them will add value to your rearing operation, giving young animals the start in life they need; pushing them towards their true genetic potential.

On farm advice

When you purchase any of AgriVantage's brands, you also have access to the very best advice on how to get the most out of our products.

With the backing of animal nutritionist Nathalie Chrystal, we can advise you on best practice for your animal production system and help you to maximise the development and subsequent production capacity of your livestock.

Get in touch

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