

PRODUCT INFO
& DATASHEET

PREMIXES

TAILOR MADE CUSTOM PREMIXES

Vitamin Premixes & Vitamin Mineral Premixes.

12/2022

INTRODUCTION

Give your poultry, pigs, cattle, shrimp and fish (aquaculture) etc the feed they need for optimum return and benefit.

We formulate under our PROFI-AGRO and SICO brands custom premixes for every life phase of your animals, tailored to their genetic needs and desired yield.

PREMIXES

A premix is a mix of vitamins or of vitamins and minerals, supplemented with amino acids and additives where necessary. The mixture is custom-formulated, in line with the genetics of the animal, its age, the desired results and the properties of the local raw materials that are used for the formulation of the final feed. The inclusion of a premix can vary between 500 g/ton and 50 kg/ton. The properties of the mixer at the customer and locally available raw materials are important criteria for determining the inclusion. If extra protein rich raw materials are added to the mix, it is called a protein concentrate. Inclusion of protein concentrate varies between 50 kg/ton and 350 kg/ton.

POULTRY

Custom nutritional solutions enable you to maximise egg production, improve egg quality, increase hatching rate, etc. Depending on the needs and farm conditions, the specific genetics and the animals' life phase, SICO formulates custom premixes. Together we maximise the return.

- **Broiler** : SICO supplies custom premixes and additives for improved bedding quality, meat quality and gut health. Depending on your specifications, we offer nutritional advice, that is tailored to your desired results and yield.
- **Layers** : An extended laying period? Does the yolk not have the desired colour or is egg shell quality below standard? You can address these problems in layers by adapting their diet. We gladly offer feed advice or develop a custom feed for existing customers.
- **Breeders** : Do you have breeders? Then you need them to be more fertile and hatching rates to be as high as possible. By offering your breeders adapted feed from the start, the quality of your day-old chicks will improve.

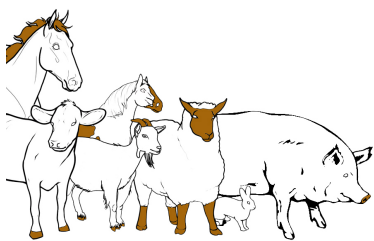
PIGS

High growth, low feed conversion, low mortality, antibiotic-free feeds, legal and ecological requirements (N, P, Cu, Zn)... These are all things that pig farmers must take into account. Our practical knowledge, combined with extensive expertise in feeds for pigs based on their genetics and life phase, ensure that we can formulate the best, tailor-made premixes and additives, adapted to your local conditions.

- **Piglet** : Give animals an optimal start with a balanced diet with highly digestible raw materials and few anti-nutritional factors. We help you avoid diarrhoea issues and provide specific tools to replace zinc oxide and antibiotics to help you overcome weaning problems.
- **Sow** : During gestation, we focus on a good return to oestrus, condition building and a large born-alive, vital litter. During lactation we stimulate appetite, sufficient milk production, condition maintenance and a high litter weight. We extend lifespan through proper rearing and correct vitaminisation and mineral supply.
- **Fattening pig** : Across the various genetics, we focus on improved daily growth and feed conversion while always paying attention to the feed cost. We add extra additives to maintain gut health and minimise mortality, depending on whether meal or pelleted feed is used. Finally we can tailor the feed to optimise meat quality.

Any information in this publication is believed to be accurate and is given in good faith, but is for the customer to satisfy itself of the suitability for its own particular purpose. No representation, warranty or guarantee is made to its accuracy, reliability or completeness.

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CATTLE

How do we prevent ketosis, acidosis, or hypocalcemia? Based on the desired technical results, we examine which vitamins and minerals your cattle need to achieve optimum returns. We adjust the vitamins and minerals to improve fertility, hoof or udder health.

- **Dairy cattle** : Good calf rearing is important for high milk production at a later stage. We can work on this together with you. SICO also offers adapted solutions for the dry period and the start-up of the lactation to tackle problems such as ketosis and hypocalcemia. We also focus on building a good resistance against mastitis and we use amino acids to increase production and reduce nitrogen emissions.
- **Beef cattle** : SICO checks which adapted products for intensive or extensive rearing are suited to your needs. We also offer a wide range of solutions for rumen acidification and increase fertility by adding extra beta-carotene and other antioxidants to the feed formula.
- **Small ruminants** : We also provide custom solutions for sheep and goats, such as an adapted mineral supply in addition to pasture grazing or stable ration. We pay attention to the correct dose of minerals for each breed. We want to avoid shortages and overdoses.

AQUACULTURE

SICO develops and tests additive blends in our aquaculture R&D department to optimise the gut health of fish and shrimp among others. We formulate custom premixes, based on locally available raw materials and the farming conditions for specific shrimp and fish species. We have extensive expertise in this field thanks to many decades of experience offering support to shrimp farms around the world.

- **Fish meal replacers** : SICO has a range of high-quality fish meal replacers that are easily digested and are based on animal protein of Western European origin. We develop a balanced amino acid pattern based on your local raw materials. Finally, you can add vitamins, minerals and additives to obtain a full concentrate.
- **AC-Power**: AC-Power, our own formulation, is a unique combination of acids, fatty acids and yeast products and was developed and tested by our R&D department and in the field. AC-Power improves gut health and feed conversion and contributes to greater growth. Mortality is reduced thanks to better protection against pathogens and infections.
- **Disease prevention** : Vibrio infections, outbreaks of white spot syndrome virus, EMS and many other pathogens can have a major impact on the technical results of your aquaculture business. SICO supplies custom premixes and concentrates, so that you can administer specific additives, the right antioxidants and a balanced feed formulation, with a view to preventing disease.

OTHER ANIMALS

SICO can formulate feeds for all farm animals: you can consult us also for premixes for dogs, cats, turkeys, camels and ... even crocodiles (no joke !)

PACKING

Our premixes are packed in multiply paper bags with inner liner or woven polypropylene bags with inner liner of 25 kg. Min. order quantity (MOQ) : A batch typically consists of 1000 kg per product. This is our MOQ per product and total min. order = 1 x 20ft container.

We want to meet the challenges of the modern feed and livestock industries face and strongly believe in a personal approach customization and longstanding collaboration.

SICO's founder Mr. Noël Sap has been a pioneer in export of premixes and protein concentrates from Belgium since 1968 !

SICO Animal Nutrition & Health Division

Tim Sap
CEO

Noël Sap
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