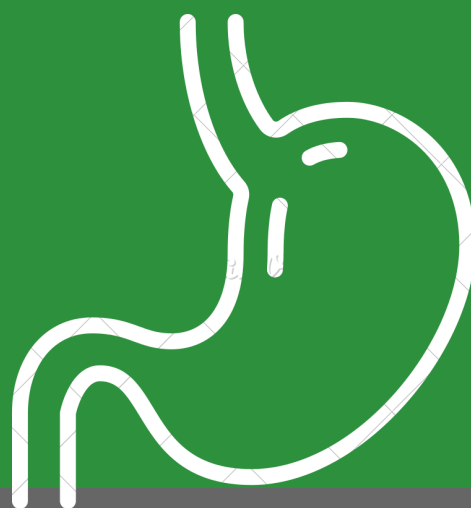


# Understanding Subclinical Ketosis

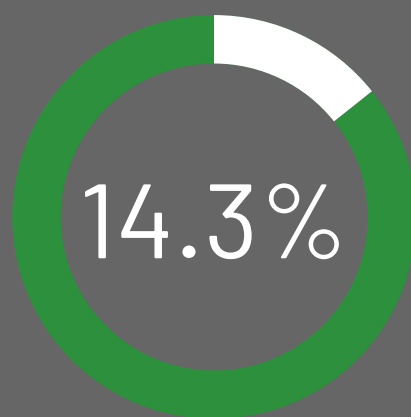


## Prevalence

75%

of cows experience moderate hyperketonaemia ketosis at least once in the in the **first five weeks** of calving.

Dairy NZ, 2016



mean herd-level prevalence of subclinical ketosis, with a range of 0-60% at **7-12 days** post calving.

## Primary causes

ENERGY INTAKE



ENERGY DEMAND

insufficient DMI intake  
poor transition management  
excessive BCS  
metabolic disorders

## Impacts

Up to

7%

reduction in milk yield according to the University of Florida



**Fertility issues** including:

prolonged postpartum anestrus  
delayed conception

**resulting in:**

extended calving issues  
decreased overall reproductive efficiency.



Increased risks of metabolic disorders

## Mineral supplementation

Ca

Metabolic function  
Ketosis prevention

Na and K

Optimise rumen function  
Nutrient utilisation

Cr Se  
Co

Glucose metabolism  
Antioxidant defense mechanism

## AGVANCE SOLUTIONS

PREMIUM TRANSITION  
PREMIX NI

PREMIUM TRANSITION  
PREMIX SI

OPTIPRILL SPRINGER SAFE



CUSTOMIZER

Precision Farming



**AGVANCE**  
Success. Together.